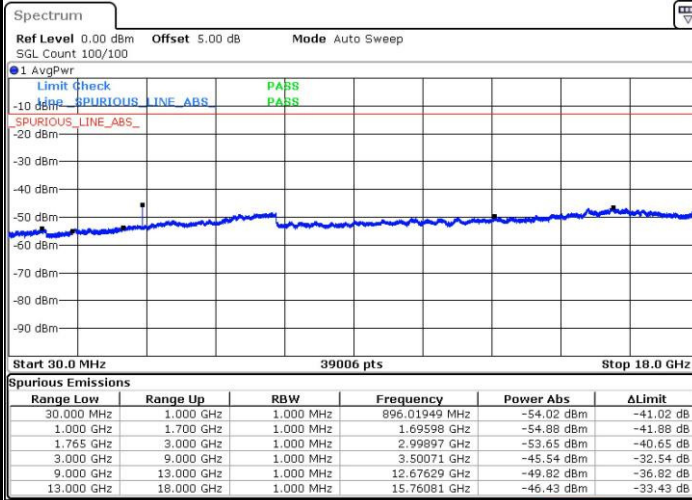




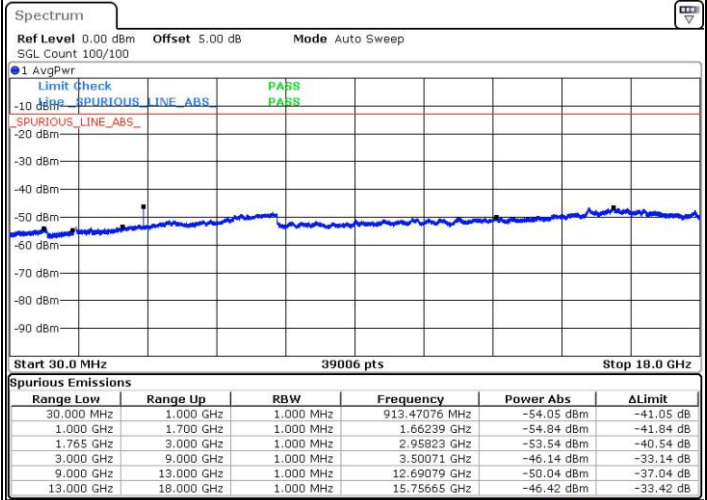
LTE Band 4 / 5MHz

Highest Channel / QPSK



Date: 20 APR 2016 10:12:08

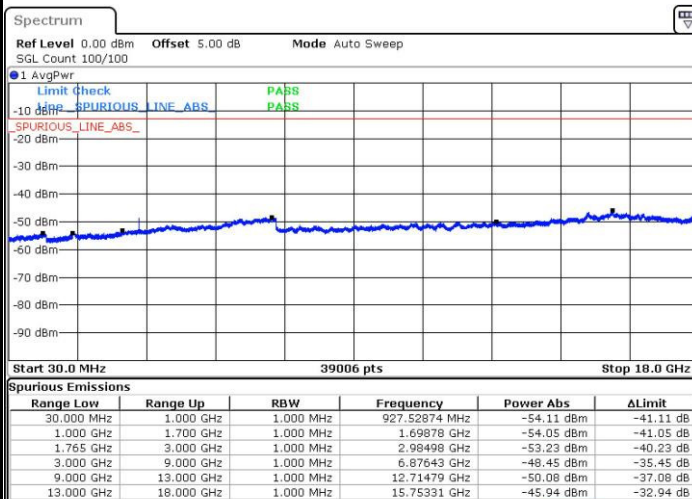
Highest Channel / 16QAM



Date: 20 APR 2016 10:13:04

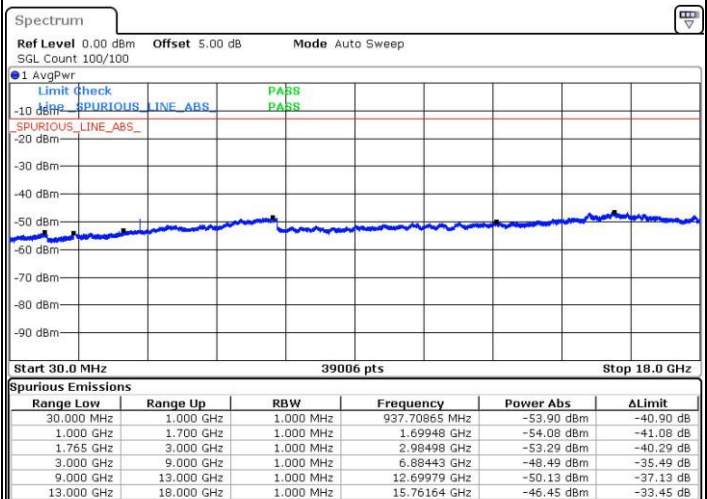
LTE Band 4 / 10MHz

Lowest Channel / QPSK



Date: 20 APR 2016 11:46:29

Lowest Channel / 16QAM

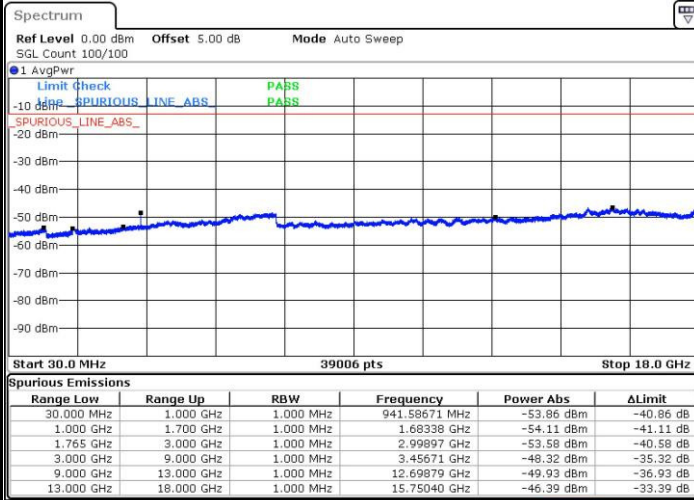


Date: 20 APR 2016 11:44:22



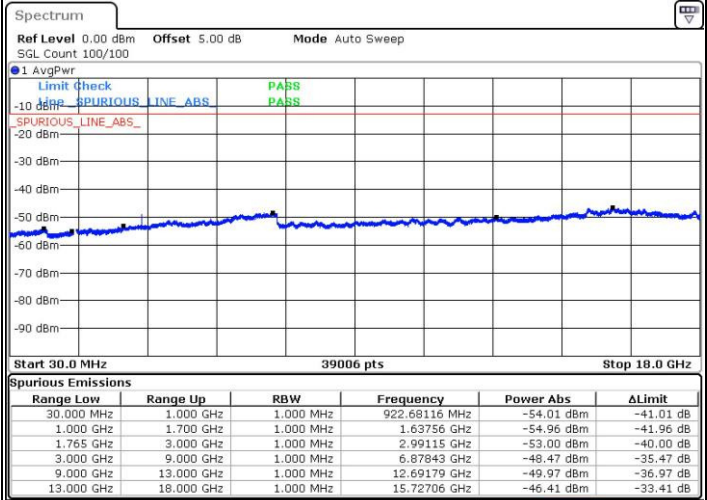
LTE Band 4 / 10MHz

Middle Channel / QPSK



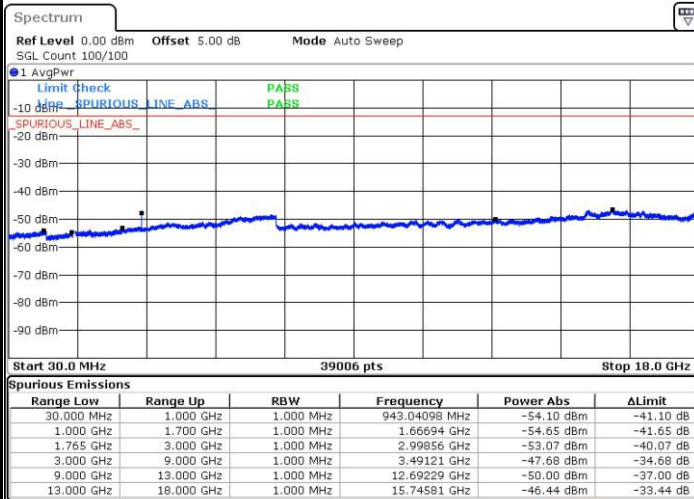
Date: 20 APR 2016 10:21:46

Middle Channel / 16QAM



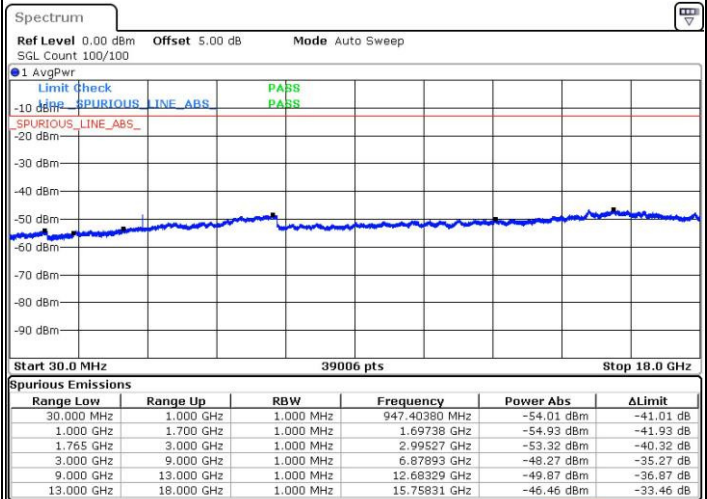
Date: 20 APR 2016 10:22:41

Highest Channel / QPSK



Date: 20 APR 2016 10:28:51

Highest Channel / 16QAM

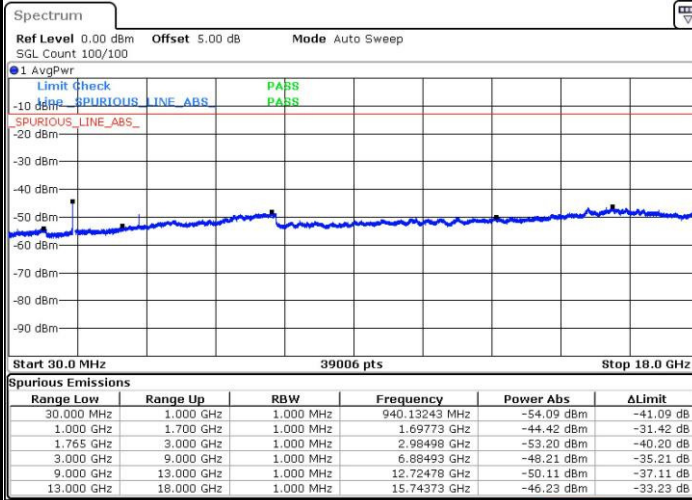


Date: 20 APR 2016 10:29:46



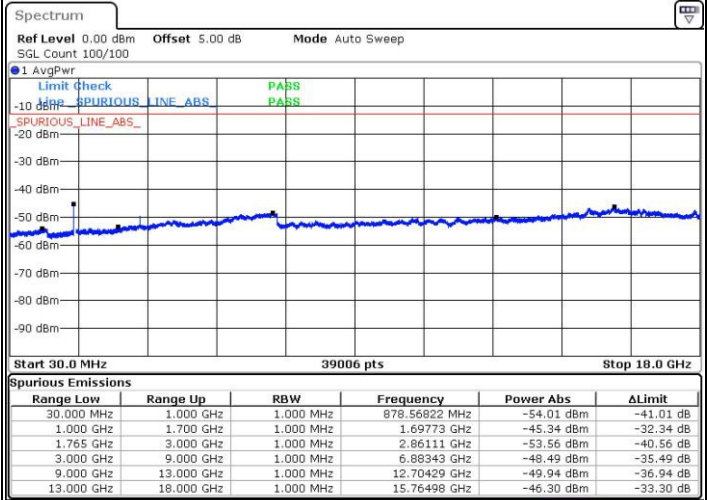
LTE Band 4 / 15MHz

Lowest Channel / QPSK



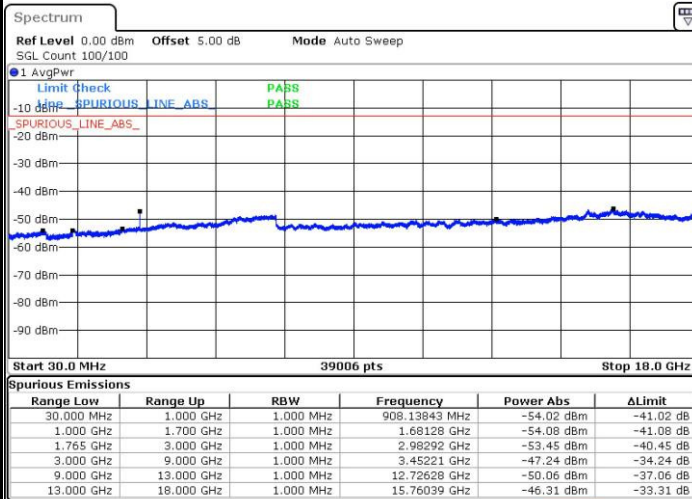
Date: 20 APR 2016 10:35:56

Lowest Channel / 16QAM



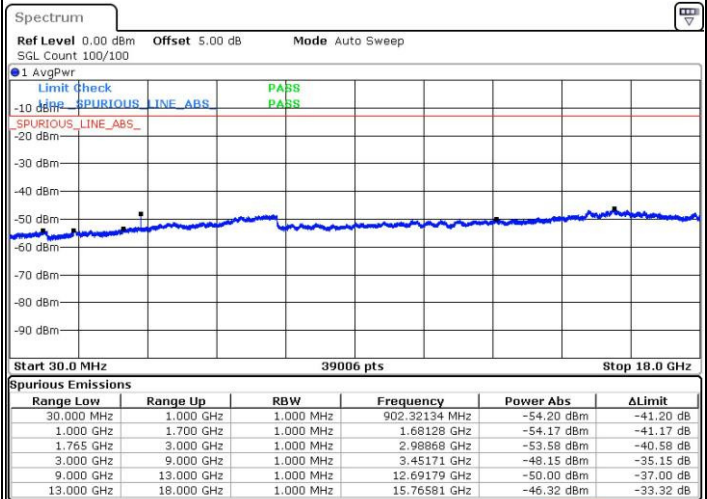
Date: 20 APR 2016 10:36:51

Middle Channel / QPSK



Date: 20 APR 2016 11:49:28

Middle Channel / 16QAM

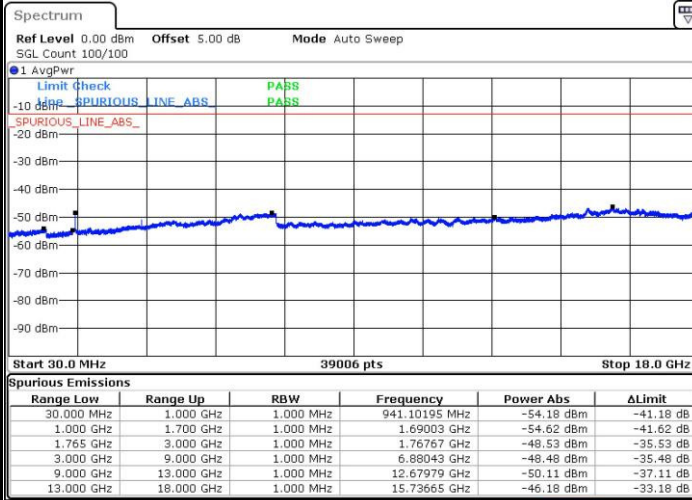


Date: 20 APR 2016 11:48:47



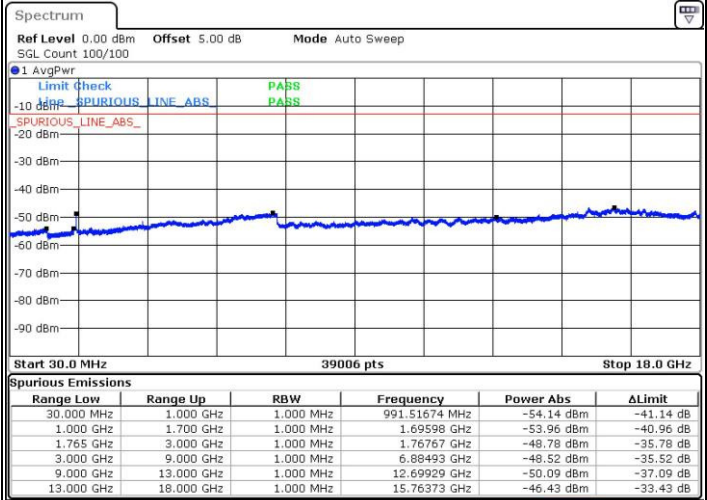
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 20 APR 2016 10:45:33

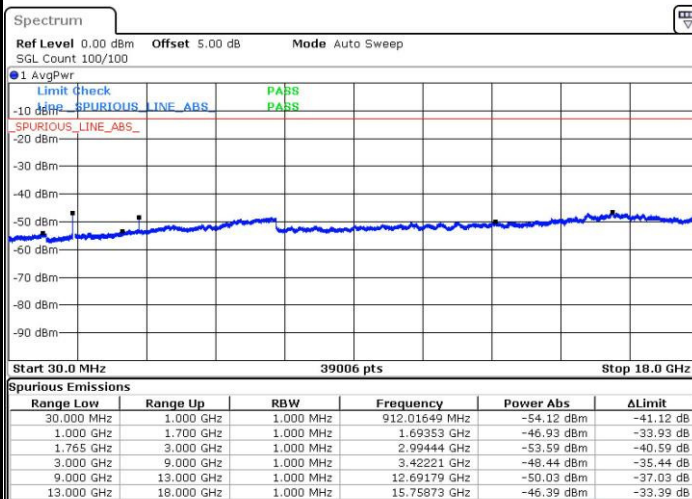
Highest Channel / 16QAM



Date: 20 APR 2016 10:46:28

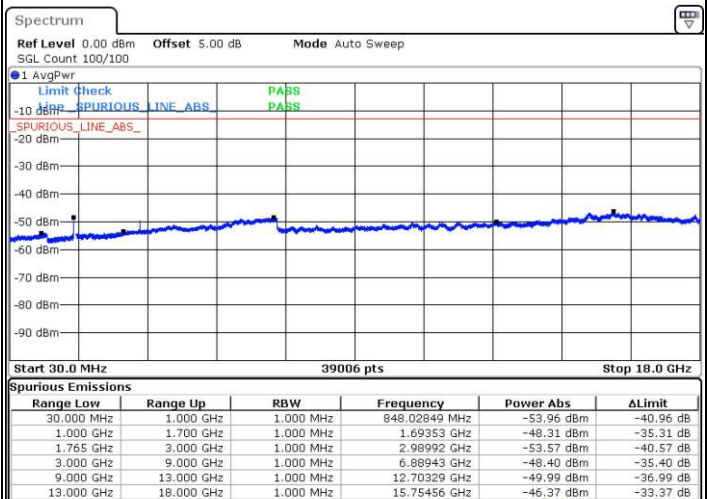
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 20 APR 2016 10:52:38

Lowest Channel / 16QAM

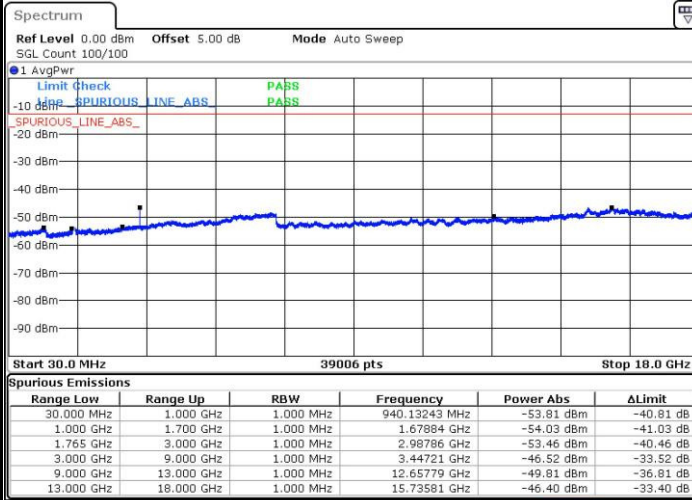


Date: 20 APR 2016 10:53:33



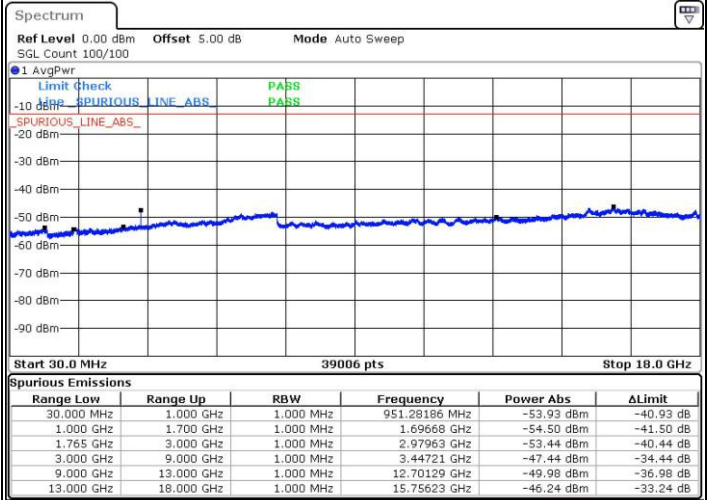
LTE Band 4 / 20MHz

Middle Channel / QPSK



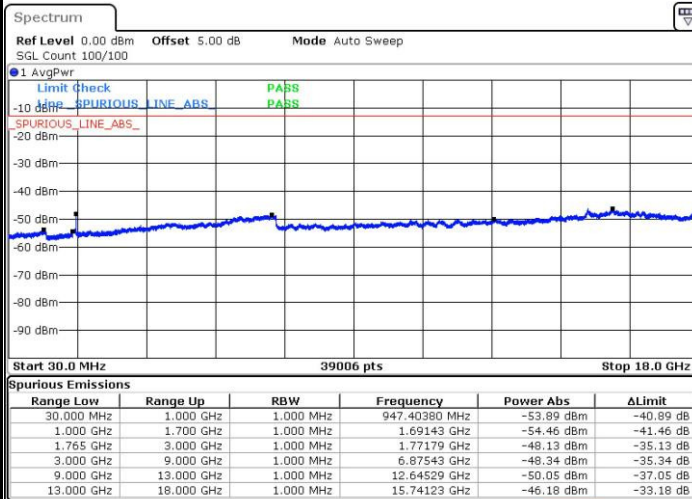
Date: 20 APR 2016 10:55:10

Middle Channel / 16QAM



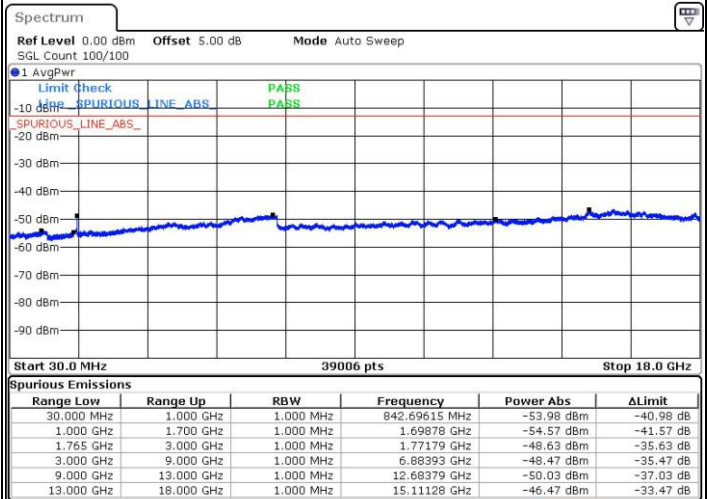
Date: 20 APR 2016 10:56:06

Highest Channel / QPSK



Date: 20 APR 2016 11:02:15

Highest Channel / 16QAM

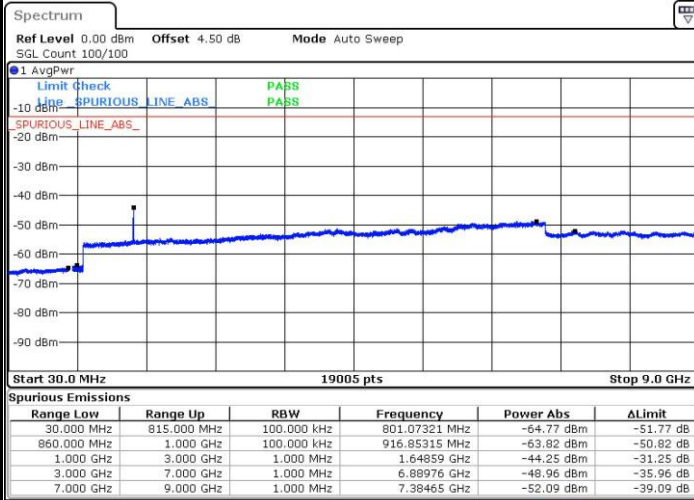


Date: 20 APR 2016 11:03:11



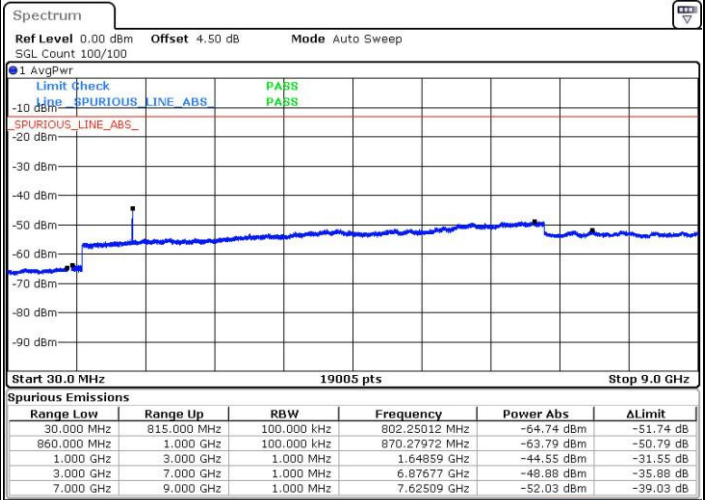
LTE Band 5 / 1.4MHz

Lowest Channel / QPSK



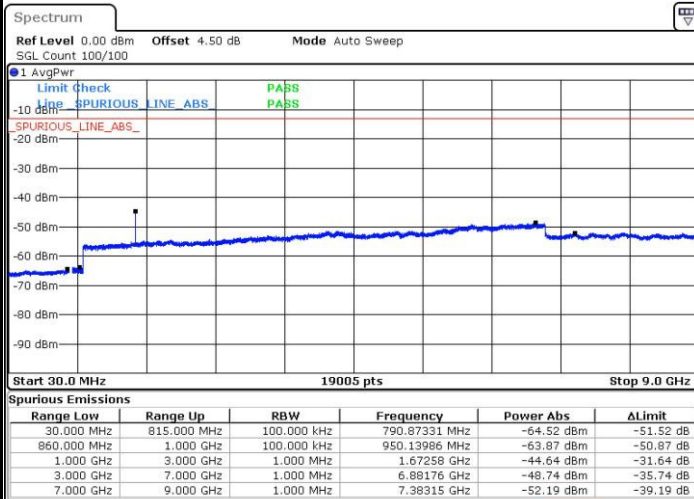
Date: 20 APR 2016 15:33:07

Lowest Channel / 16QAM



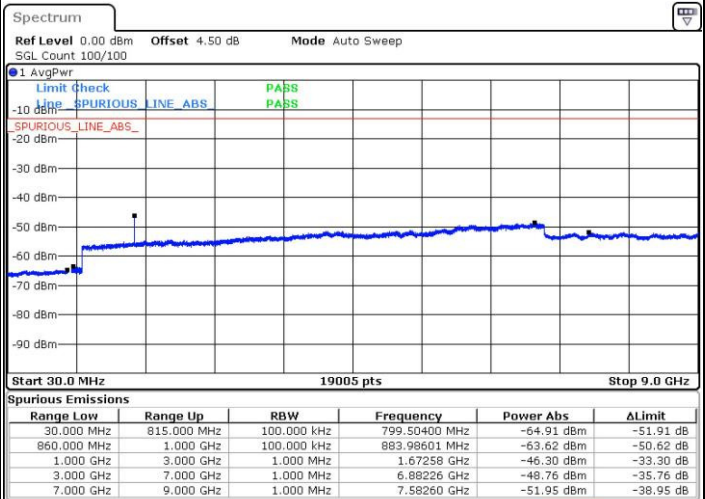
Date: 20 APR 2016 15:34:02

Middle Channel / QPSK



Date: 20 APR 2016 15:35:39

Middle Channel / 16QAM

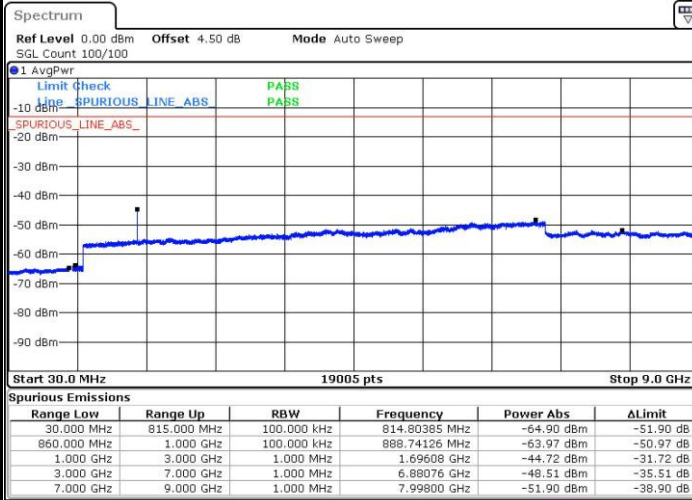


Date: 20 APR 2016 15:36:34



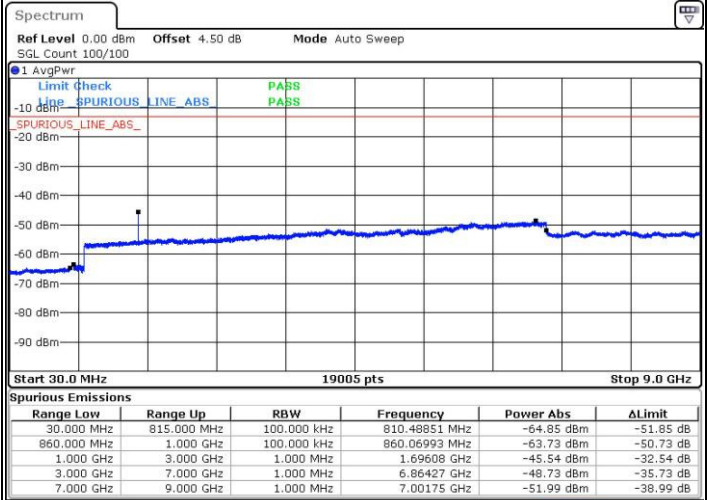
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 20 APR 2016 15:46:15

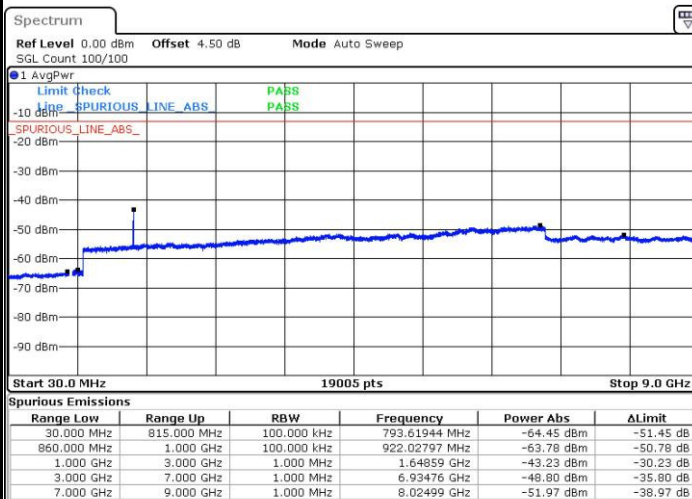
Highest Channel / 16QAM



Date: 20 APR 2016 15:47:10

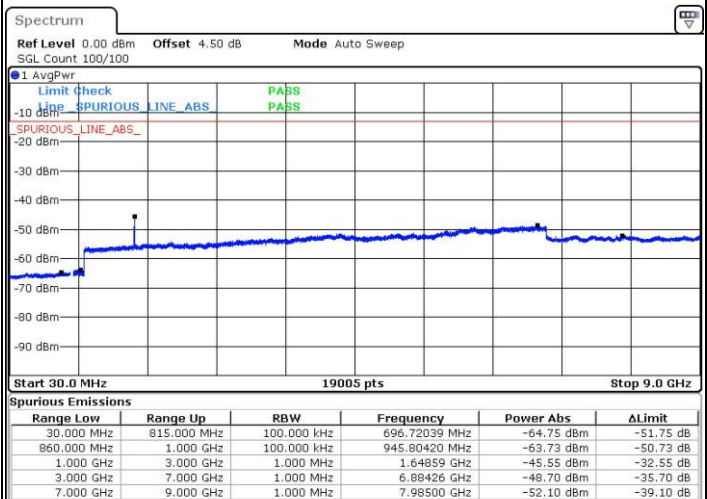
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 20 APR 2016 15:56:51

Lowest Channel / 16QAM

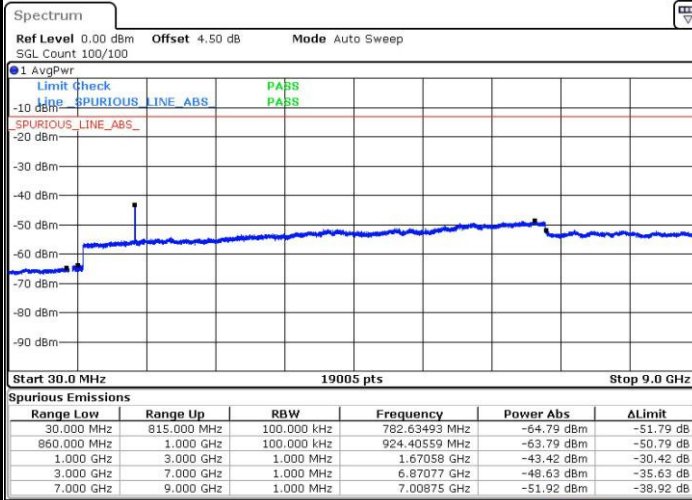


Date: 20 APR 2016 15:57:46



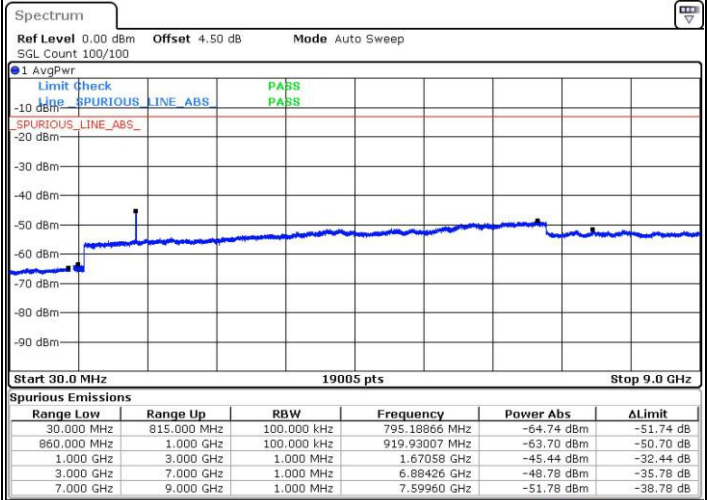
LTE Band 5 / 3MHz

Middle Channel / QPSK



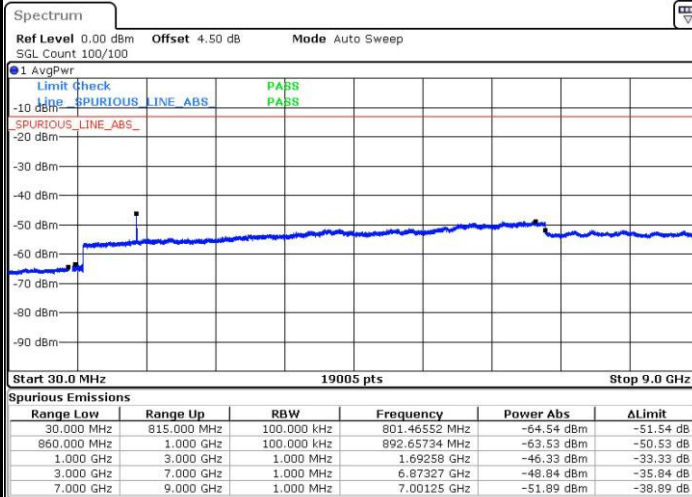
Date: 20 APR 2016 15:59:23

Middle Channel / 16QAM



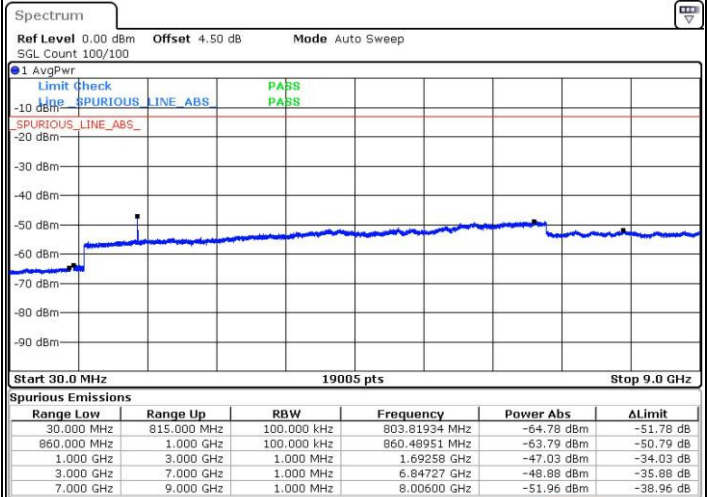
Date: 20 APR 2016 16:00:18

Highest Channel / QPSK



Date: 20 APR 2016 16:09:59

Highest Channel / 16QAM

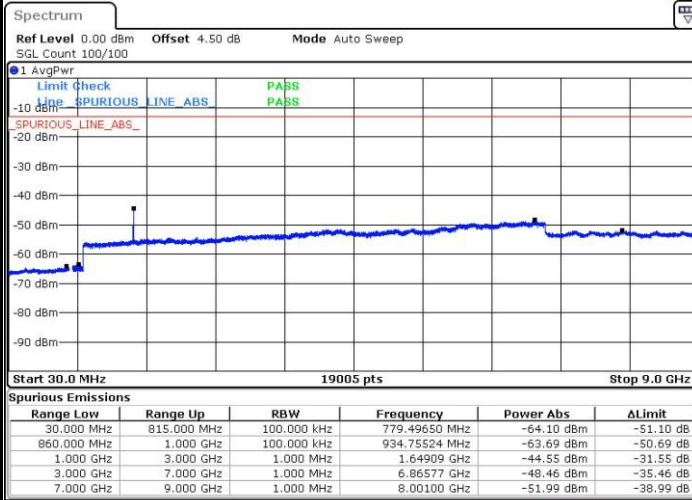


Date: 20 APR 2016 16:10:54



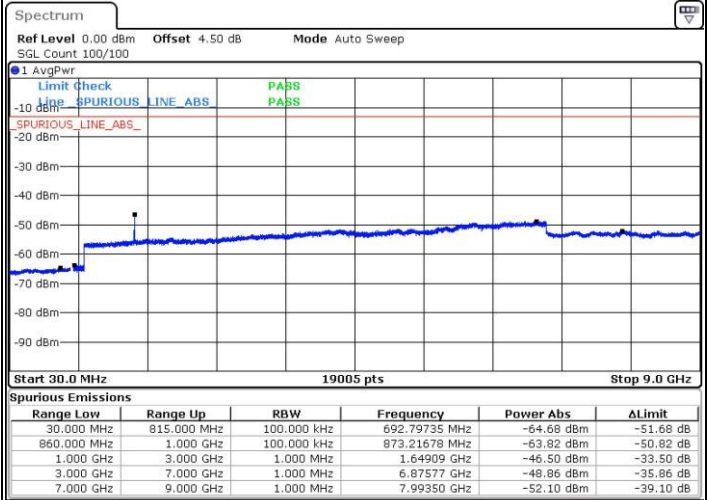
LTE Band 5 / 5MHz

Lowest Channel / QPSK



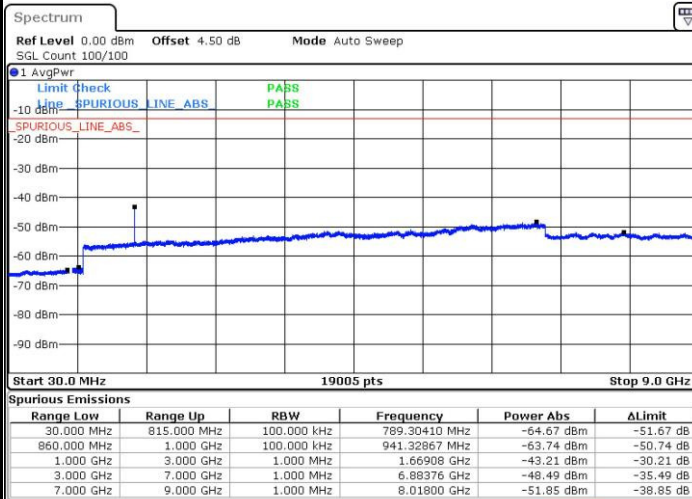
Date: 20 APR 2016 16:20:35

Lowest Channel / 16QAM



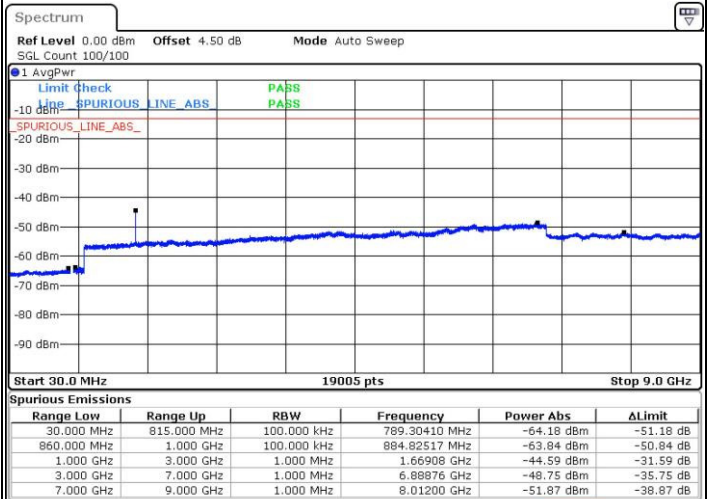
Date: 20 APR 2016 16:21:30

Middle Channel / QPSK



Date: 20 APR 2016 16:23:07

Middle Channel / 16QAM

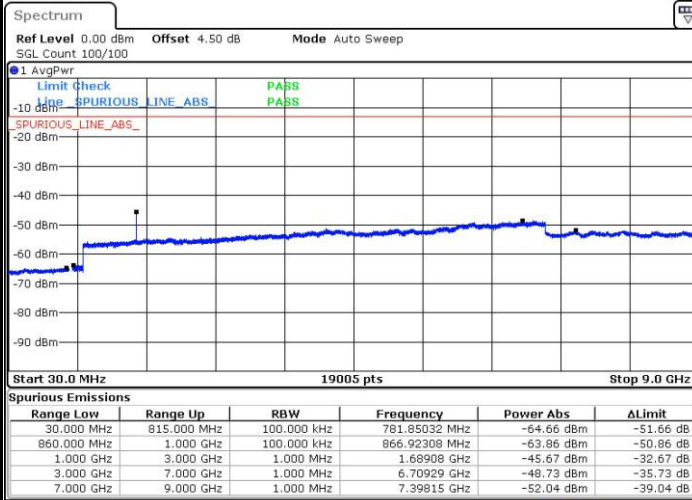


Date: 20 APR 2016 16:24:02



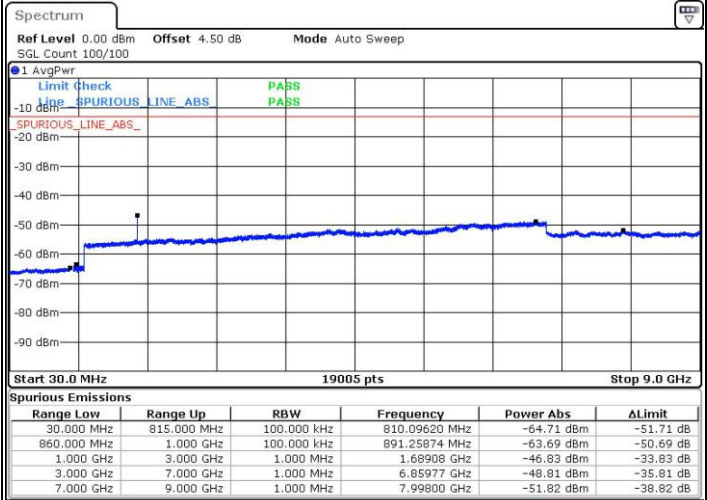
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 20 APR 2016 16:33:43

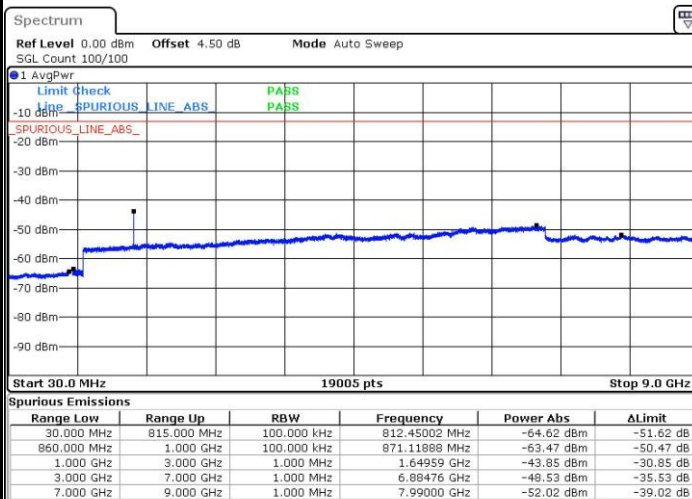
Highest Channel / 16QAM



Date: 20 APR 2016 16:34:38

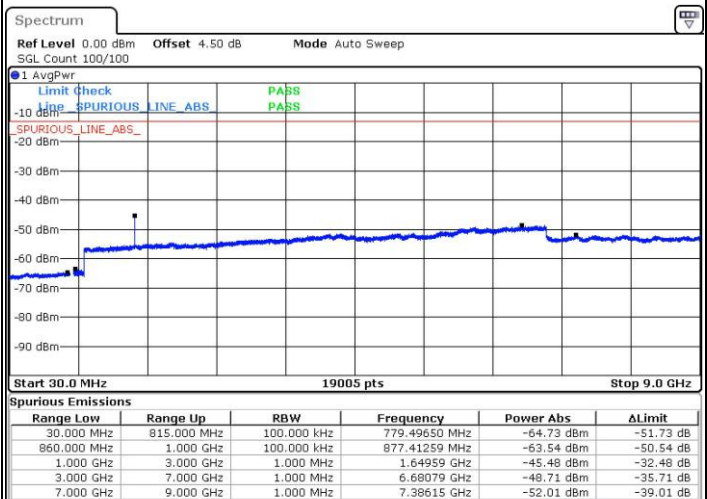
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 20 APR 2016 16:44:19

Lowest Channel / 16QAM

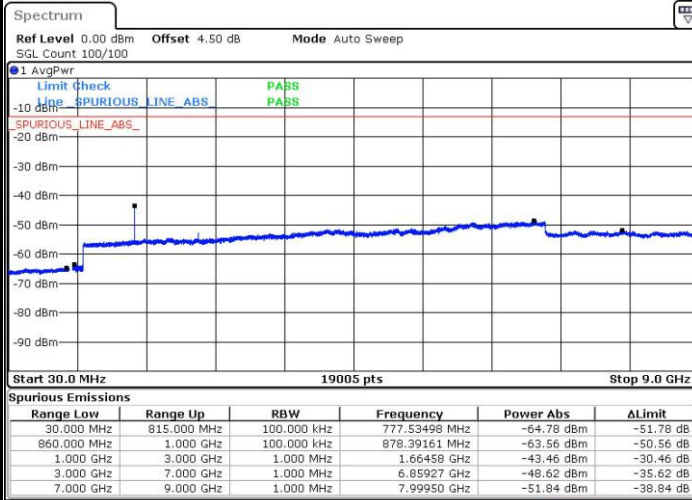


Date: 20 APR 2016 16:45:14



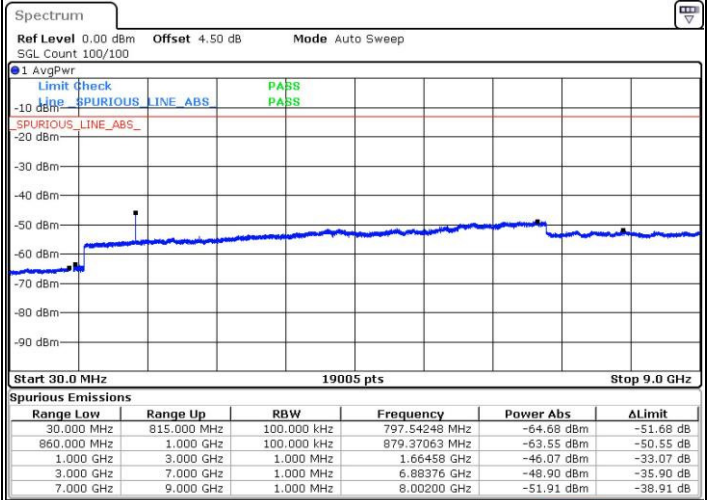
LTE Band 5 / 10MHz

Middle Channel / QPSK



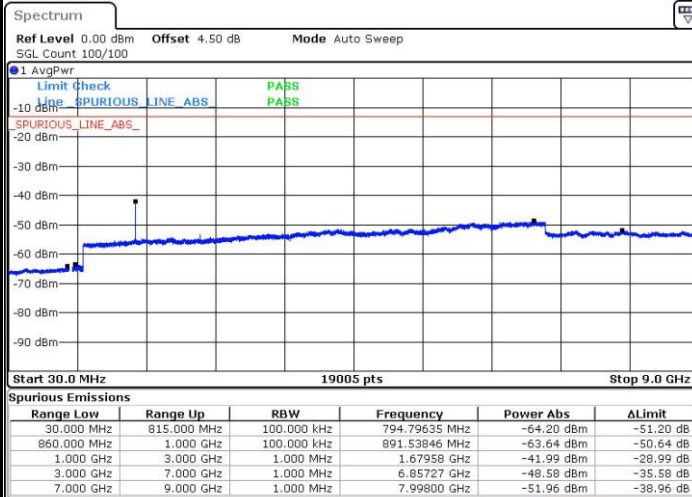
Date: 20 APR 2016 16:46:51

Middle Channel / 16QAM



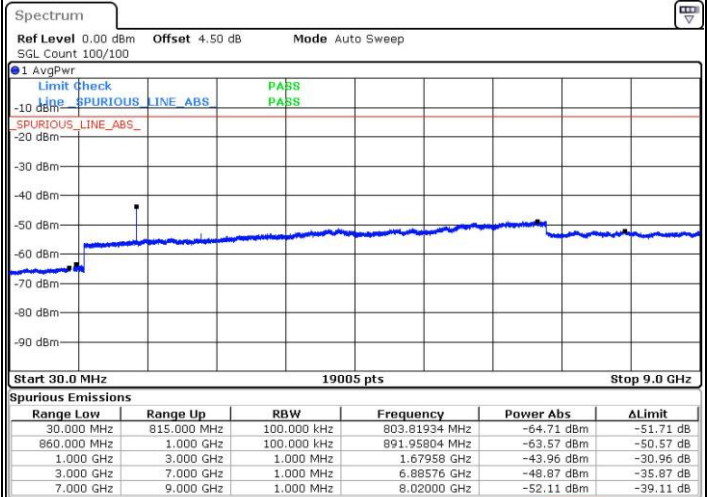
Date: 20 APR 2016 16:47:46

Highest Channel / QPSK



Date: 20 APR 2016 16:57:27

Highest Channel / 16QAM

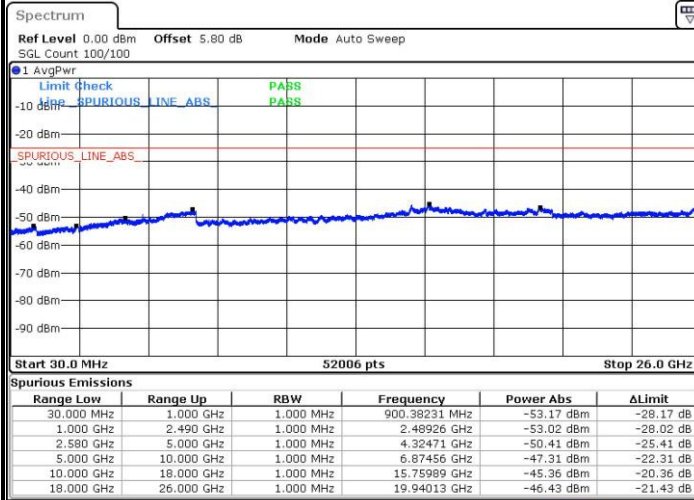


Date: 20 APR 2016 17:14:25



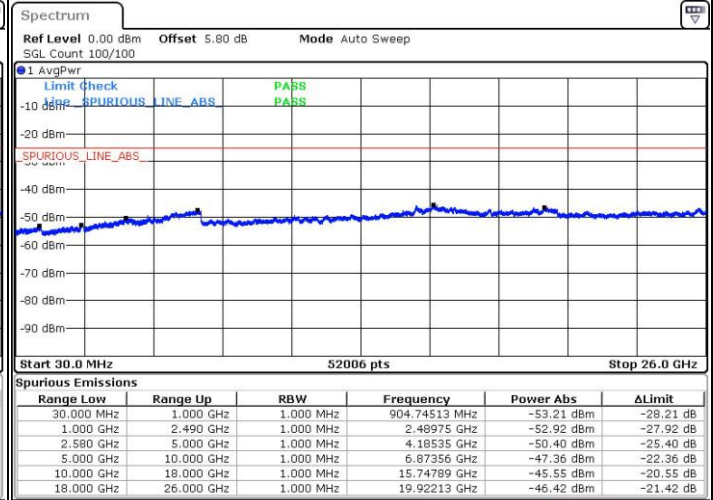
LTE Band 7 / 5MHz

Lowest Channel / QPSK



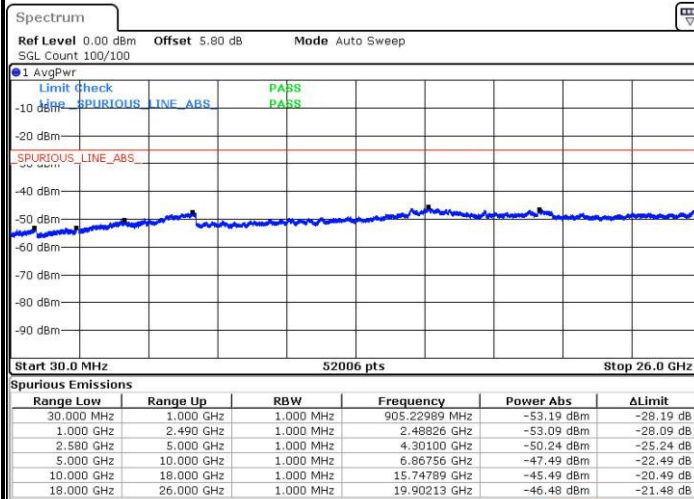
Date: 21 APR 2016 22:43:02

Lowest Channel / 16QAM



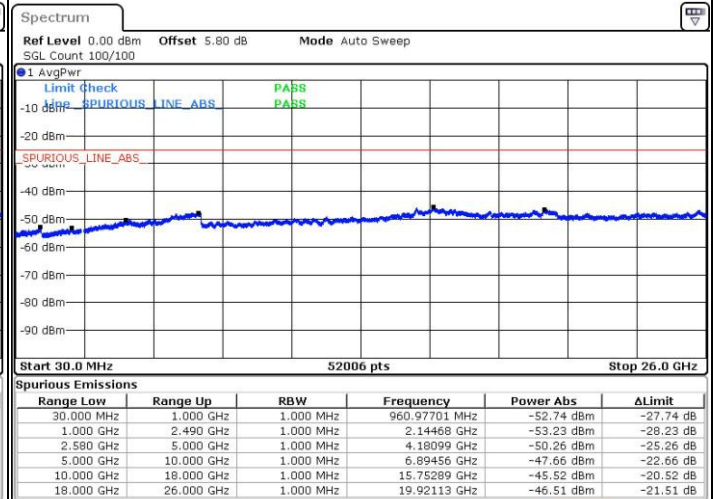
Date: 21 APR 2016 22:43:57

Middle Channel / QPSK



Date: 21 APR 2016 22:45:46

Middle Channel / 16QAM

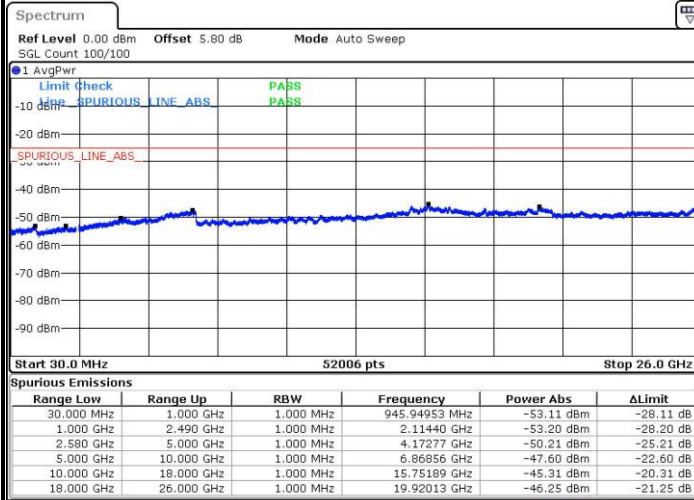


Date: 21 APR 2016 22:44:51



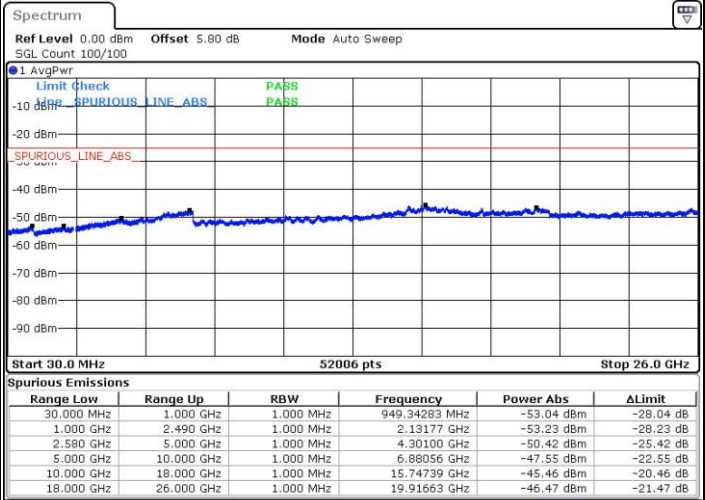
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 21 APR 2016 22:46:41

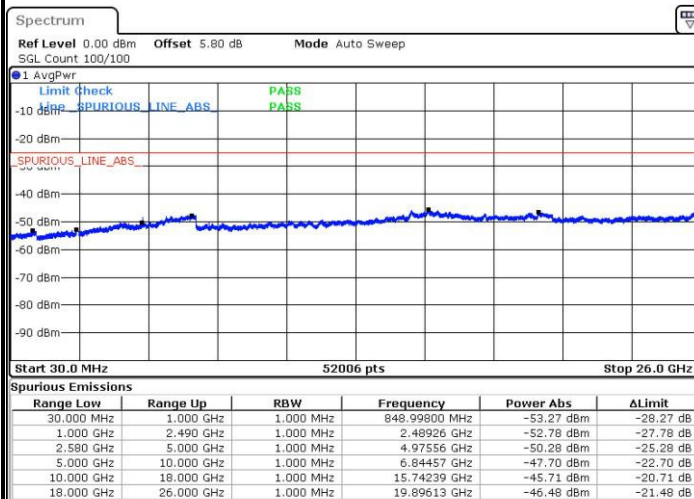
Highest Channel / 16QAM



Date: 21 APR 2016 22:47:35

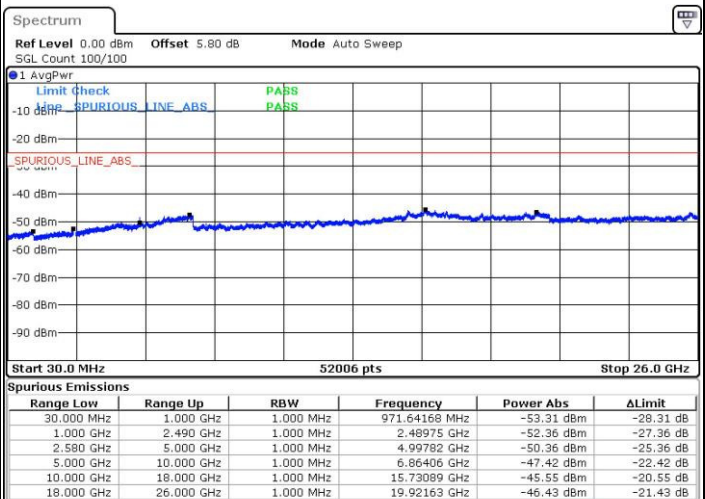
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 21 APR 2016 22:59:45

Lowest Channel / 16QAM

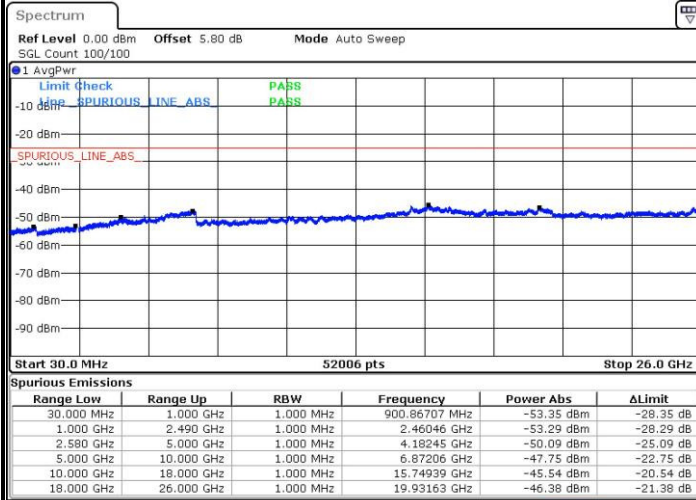


Date: 21 APR 2016 23:00:39



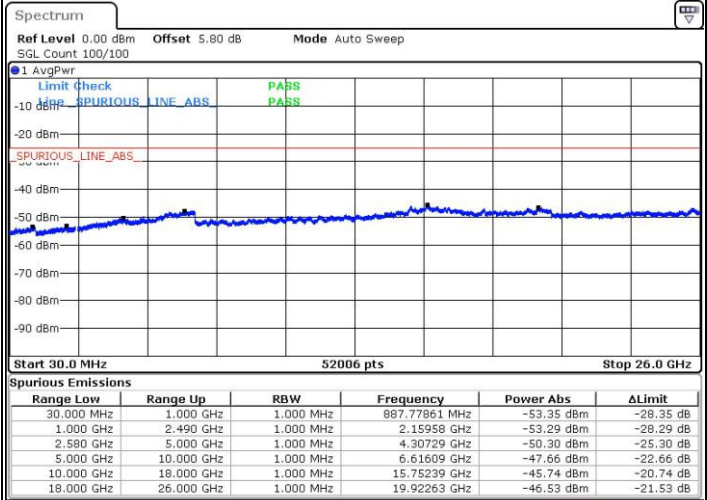
LTE Band 7 / 10MHz

Middle Channel / QPSK



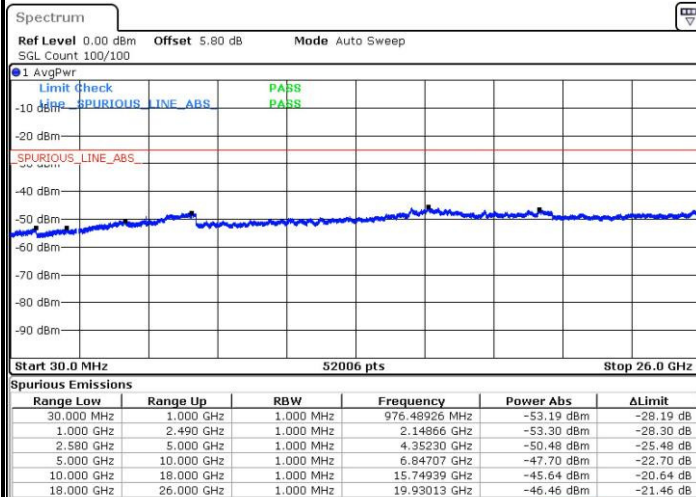
Date: 21 APR 2016 23:02:29

Middle Channel / 16QAM



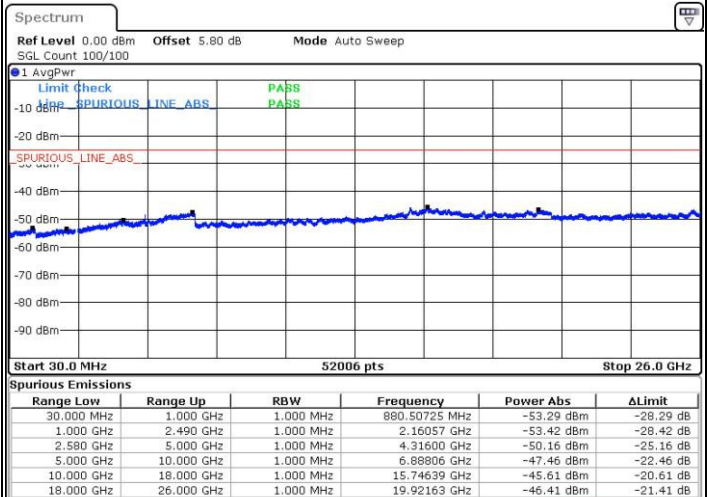
Date: 21 APR 2016 23:01:34

Highest Channel / QPSK



Date: 21 APR 2016 23:03:23

Highest Channel / 16QAM

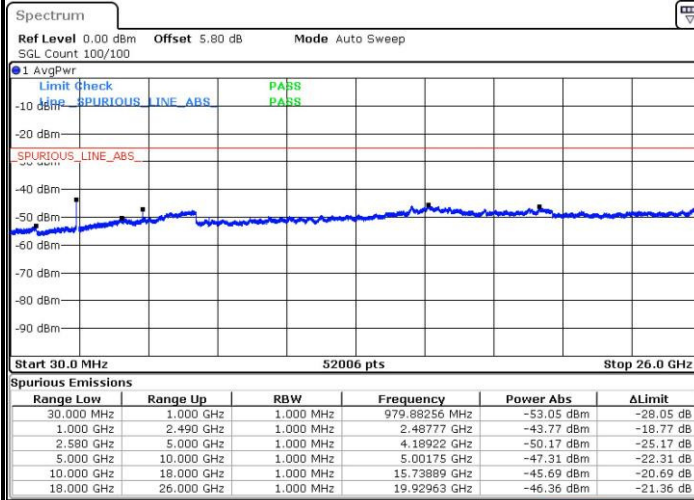


Date: 21 APR 2016 23:04:18



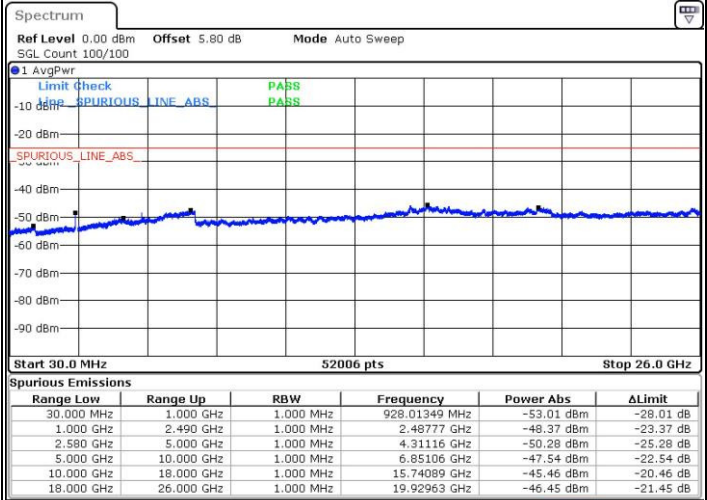
LTE Band 7 / 15MHz

Lowest Channel / QPSK



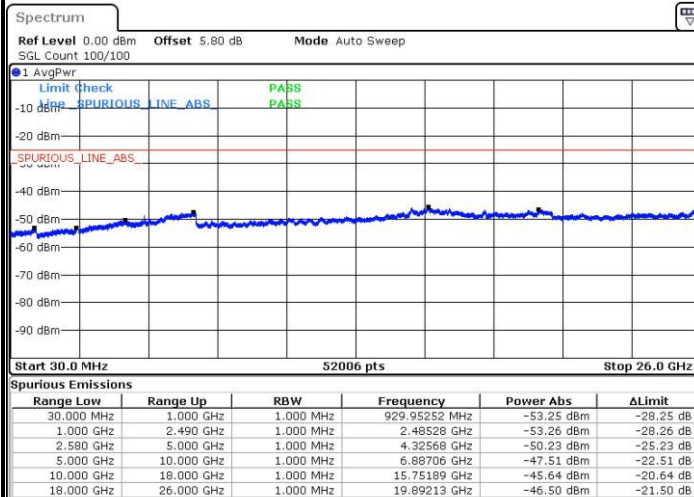
Date: 21 APR 2016 23:16:27

Lowest Channel / 16QAM



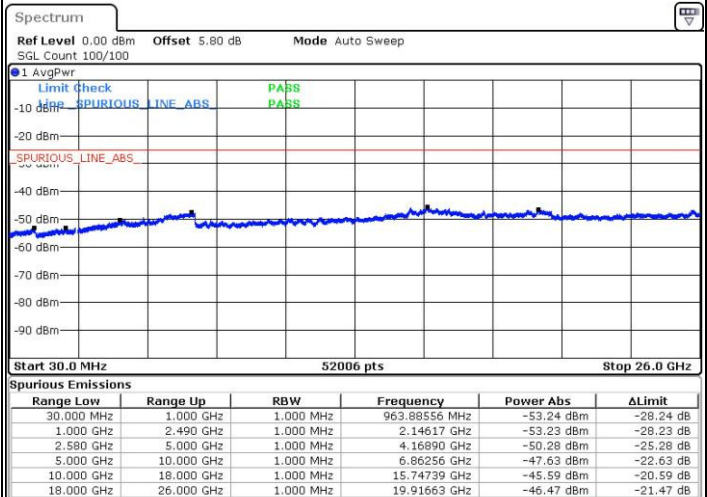
Date: 21 APR 2016 23:17:21

Middle Channel / QPSK



Date: 21 APR 2016 23:19:11

Middle Channel / 16QAM

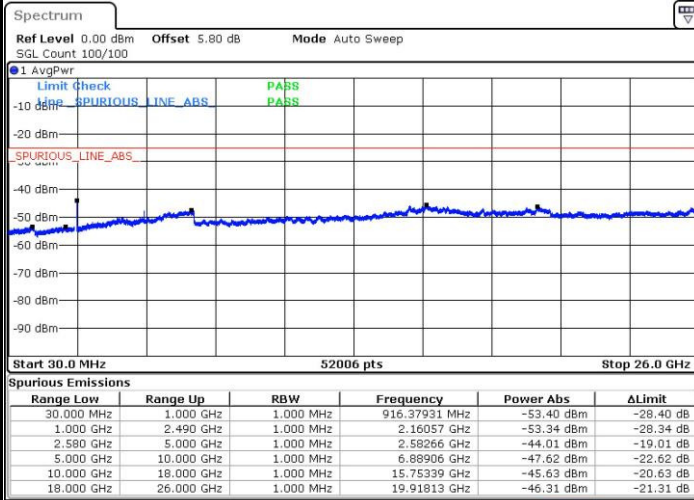


Date: 21 APR 2016 23:18:16



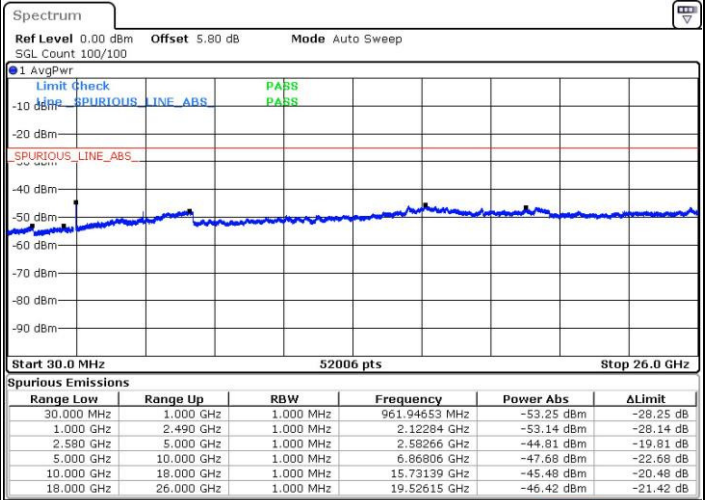
LTE Band7 / 15MHz

Highest Channel / QPSK



Date: 21 APR 2016 23:20:05

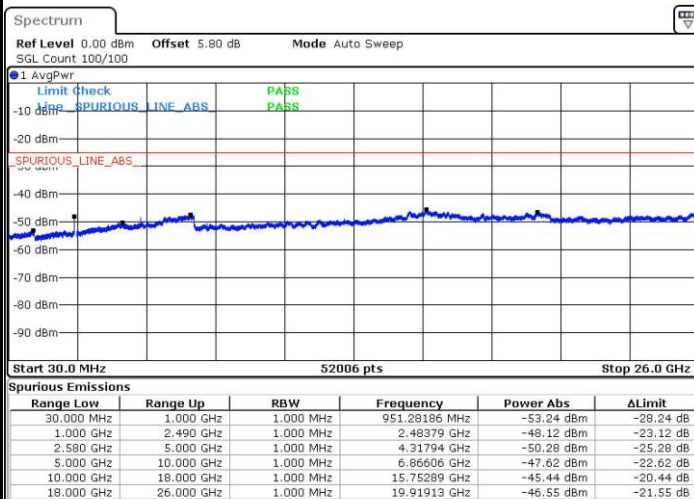
Highest Channel / 16QAM



Date: 21 APR 2016 23:21:00

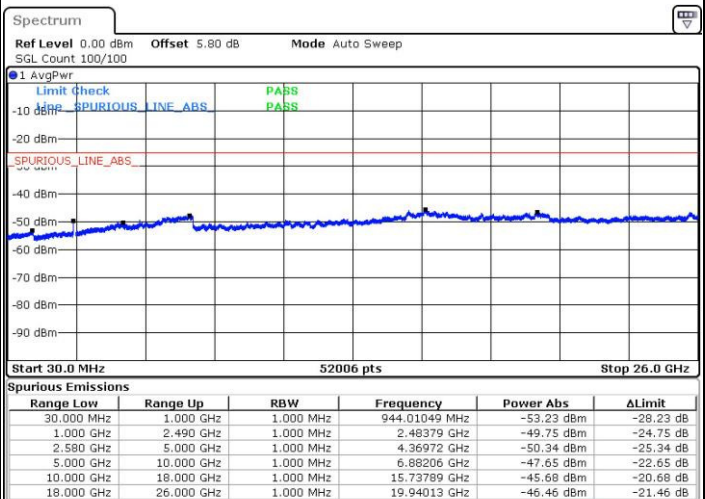
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 21 APR 2016 23:33:09

Lowest Channel / 16QAM

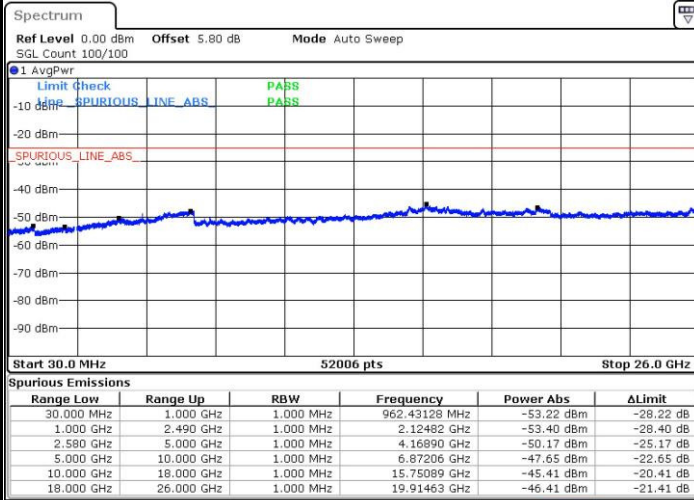


Date: 21 APR 2016 23:34:04



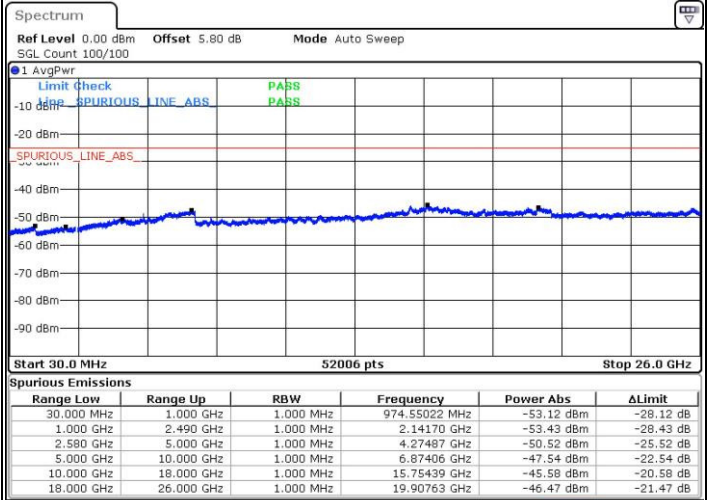
LTE Band 7 / 20MHz

Middle Channel / QPSK



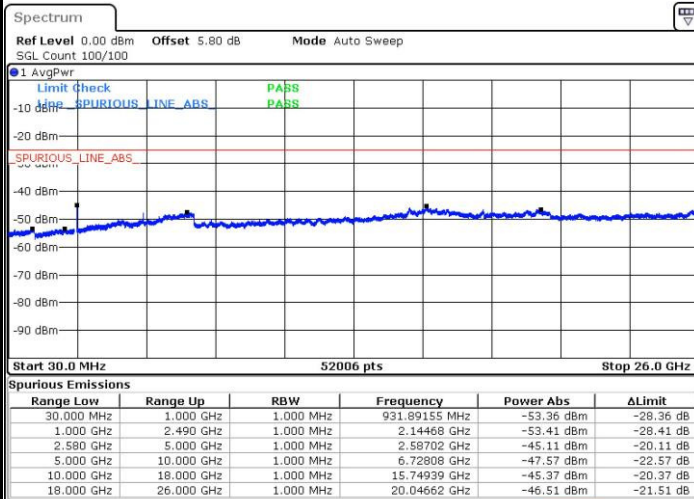
Date: 21 APR 2016 23:35:53

Middle Channel / 16QAM



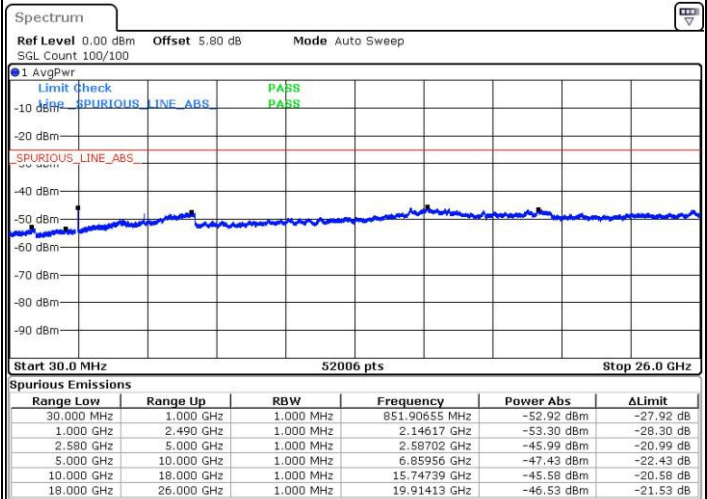
Date: 21 APR 2016 23:34:59

Highest Channel / QPSK



Date: 21 APR 2016 23:36:48

Highest Channel / 16QAM



Date: 21 APR 2016 23:37:42

**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	0.0022	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0020	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0010	
20	Normal Voltage	0.0020	
20	Battery End Point	0.0003	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0014	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0014	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0003	
20	Battery End Point	0.0001	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0050	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0075	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0035	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0048	
20	Normal Voltage	0.0002	
20	Battery End Point	0.0044	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.5V. ; Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0020	PASS
40	Normal Voltage	0.0023	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0017	
20	Battery End Point	0.0015	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Appendix B. Test Results of Radiated Test

ERP/EIRP

LTE Band 2 / 1.4MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	3	22.89	0.1945	23.13	0.2056
Middle		3	3	22.89	0.1945	22.77	0.1892
Highest		3	1	22.10	0.1622	22.97	0.1982
Lowest	16QAM	3	3	21.19	0.1315	22.68	0.1854
Middle		1	0	22.02	0.1592	21.67	0.1469
Highest		3	3	20.79	0.1199	21.91	0.1552
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	8	22.79	0.1901	22.89	0.1945
Middle		1	14	23.03	0.2009	22.93	0.1963
Highest		1	8	22.46	0.1762	23.26	0.2118
Lowest	16QAM	1	0	21.76	0.1500	22.02	0.1592
Middle		1	14	22.74	0.1879	22.15	0.1641
Highest		1	8	21.16	0.1306	22.03	0.1596
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	22.60	0.1820	22.73	0.1875
Middle		1	0	23.27	0.2123	23.15	0.2065
Highest		1	12	21.29	0.1346	22.73	0.1875
Lowest	16QAM	1	12	21.91	0.1552	21.72	0.1486
Middle		1	12	22.94	0.1968	22.14	0.1637
Highest		1	24	21.09	0.1285	22.57	0.1807
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.18	0.2080	23.09	0.2037
Middle		1	0	23.37	0.2173	22.97	0.1982
Highest		1	25	22.33	0.1710	22.98	0.1986
Lowest	16QAM	1	0	21.97	0.1574	22.12	0.1629
Middle		1	0	21.69	0.1476	21.65	0.1462
Highest		1	49	21.92	0.1556	22.42	0.1746
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.26	0.2118	23.35	0.2163
Middle		1	0	23.57	0.2275	23.65	0.2317
Highest		1	0	23.27	0.2123	23.32	0.2148
Lowest	16QAM	1	0	21.64	0.1459	21.76	0.1500
Middle		1	0	22.47	0.1766	22.22	0.1667
Highest		1	0	21.68	0.1472	21.98	0.1578
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	22.94	0.1968	23.36	0.2168
Middle		1	49	23.25	0.2113	23.17	0.2075
Highest		1	49	23.19	0.2084	23.97	0.2495
Lowest	16QAM	1	0	22.53	0.1791	22.43	0.1750
Middle		1	0	22.45	0.1758	22.55	0.1799
Highest		1	49	22.06	0.1607	22.80	0.1905
Limit	EIRP < 2W			Result		PASS	

LTE Band 4 / 1.4MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	5	22.82	0.1914	24.03	0.2529
Middle		3	1	22.82	0.1914	23.87	0.2438
Highest		3	1	23.43	0.2203	25.41	0.3475
Lowest	16QAM	3	3	21.38	0.1374	23.31	0.2143
Middle		1	3	22.03	0.1596	23.15	0.2065
Highest		1	3	23.04	0.2014	23.81	0.2404
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	23.70	0.2344	24.64	0.2911
Middle		1	14	23.49	0.2234	24.61	0.2891
Highest		1	0	23.39	0.2183	24.80	0.3020
Lowest	16QAM	1	8	21.79	0.1510	23.93	0.2472
Middle		1	8	22.63	0.1832	23.52	0.2249
Highest		1	8	23.20	0.2089	23.26	0.2118
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.94	0.2477	25.04	0.3192
Middle		1	0	24.13	0.2588	24.60	0.2884
Highest		1	12	23.51	0.2244	24.74	0.2979
Lowest	16QAM	1	12	22.07	0.1611	23.59	0.2286
Middle		1	12	22.72	0.1871	23.28	0.2128
Highest		1	0	22.02	0.1592	23.49	0.2234
Limit	EIRP < 1W			Result		PASS	

LTE Band 4/ 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.93	0.2472	24.69	0.2944
Middle		1	25	23.79	0.2393	24.67	0.2931
Highest		1	0	23.12	0.2051	24.39	0.2748
Lowest	16QAM	1	0	22.67	0.1849	23.34	0.2158
Middle		1	0	22.55	0.1799	23.39	0.2183
Highest		1	0	23.37	0.2173	24.31	0.2698
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	24.16	0.2606	25.08	0.3221
Middle		1	74	23.83	0.2415	24.85	0.3055
Highest		1	37	23.72	0.2355	25.10	0.3236
Lowest	16QAM	1	0	23.08	0.2032	24.03	0.2529
Middle		1	0	22.97	0.1982	24.02	0.2523
Highest		1	0	23.23	0.2104	24.45	0.2786
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	23.77	0.2382	24.95	0.3126
Middle		1	0	23.50	0.2239	25.08	0.3221
Highest		1	0	23.74	0.2366	24.94	0.3119
Lowest	16QAM	1	0	23.14	0.2061	23.50	0.2239
Middle		1	0	22.35	0.1718	23.52	0.2249
Highest		1	0	22.81	0.1910	24.15	0.2600
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	1	20.15	0.1035	20.69	0.1172
Middle		3	1	21.02	0.1265	20.46	0.1112
Highest		3	0	21.31	0.1352	20.95	0.1245
Lowest	16QAM	1	3	18.69	0.0740	19.96	0.0991
Middle		1	3	20.60	0.1148	20.08	0.1019
Highest		1	3	20.40	0.1096	20.23	0.1054
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	14	20.26	0.1062	20.50	0.1122
Middle		1	8	20.65	0.1161	20.78	0.1197
Highest		1	0	21.54	0.1426	20.81	0.1205
Lowest	16QAM	1	8	19.23	0.0838	19.47	0.0885
Middle		1	8	19.85	0.0966	20.61	0.1151
Highest		1	8	20.49	0.1119	19.46	0.0883
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	21.18	0.1312	20.97	0.1250
Middle		1	24	20.74	0.1186	20.54	0.1132
Highest		1	12	21.98	0.1578	21.39	0.1377
Lowest	16QAM	1	12	19.70	0.0933	20.67	0.1167
Middle		1	24	19.32	0.0855	19.54	0.0899
Highest		1	0	20.58	0.1143	19.82	0.0959
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	20.41	0.1099	20.84	0.1213
Middle		1	25	20.59	0.1146	20.73	0.1183
Highest		1	25	21.12	0.1294	20.90	0.1230
Lowest	16QAM	1	0	20.13	0.1030	19.45	0.0881
Middle		1	0	19.40	0.0871	19.95	0.0989
Highest		1	0	21.14	0.1300	20.99	0.1256
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	22.00	0.1585	24.43	0.2773
Middle		1	12	22.38	0.1730	24.62	0.2897
Highest		1	12	20.77	0.1194	24.00	0.2512
Lowest	16QAM	1	0	21.82	0.1521	23.46	0.2218
Middle		1	24	20.76	0.1191	23.58	0.2280
Highest		1	0	20.84	0.1213	23.27	0.2123
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	0	22.25	0.1679	24.59	0.2877
Middle		1	0	22.45	0.1758	24.24	0.2655
Highest		1	25	22.14	0.1637	24.15	0.2600
Lowest	16QAM	1	49	22.06	0.1607	24.04	0.2535
Middle		1	0	22.07	0.1611	23.64	0.2312
Highest		1	0	21.92	0.1556	23.08	0.2032
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	0	22.32	0.1706	24.38	0.2742
Middle		1	0	22.47	0.1766	24.62	0.2897
Highest		1	74	22.70	0.1862	24.74	0.2979
Lowest	16QAM	1	0	21.59	0.1442	23.50	0.2239
Middle		1	0	22.05	0.1603	23.84	0.2421
Highest		1	0	20.96	0.1247	24.13	0.2588
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	0	22.22	0.1667	24.36	0.2729
Middle		1	0	22.17	0.1648	24.29	0.2685
Highest		1	0	22.34	0.1714	24.27	0.2673
Lowest	16QAM	1	0	21.35	0.1365	23.43	0.2203
Middle		1	49	21.66	0.1466	23.79	0.2393
Highest		1	0	21.59	0.1442	23.62	0.2301
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	3759	-52.56	-13	-39.56	-66.76	-57.16	3.00	7.60	H
	5637	-49.83	-13	-36.83	-63.62	-56.09	3.84	10.10	H
	7518	-45.37	-13	-32.37	-65.15	-52.87	4.43	11.93	H
	3759	-52.46	-13	-39.46	-64.95	-57.06	3.00	7.60	V
	5637	-49.49	-13	-36.49	-61.9	-55.75	3.84	10.10	V
	7518	-47.64	-13	-34.64	-65.43	-55.14	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	-50.45	-13	-37.45	-64.65	-55.05	3.00	7.60	H
	5637	-47.85	-13	-34.85	-61.64	-54.11	3.84	10.10	H
	7515	-44.59	-13	-31.59	-64.37	-52.09	4.43	11.93	H
	3756	-54.06	-13	-41.06	-66.55	-58.66	3.00	7.60	V
	5637	-50.22	-13	-37.22	-62.63	-56.48	3.84	10.10	V
	7515	-46.62	-13	-33.62	-64.41	-54.12	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	-51.94	-13	-38.94	-66.14	-56.54	3.00	7.60	H
	5634	-47.19	-13	-34.19	-60.98	-53.45	3.84	10.10	H
	7512	-44.03	-13	-31.03	-63.81	-51.53	4.43	11.93	H
	3756	-54.68	-13	-41.68	-67.17	-59.28	3.00	7.60	V
	5634	-51.03	-13	-38.03	-63.44	-57.29	3.84	10.10	V
	7512	-47.28	-13	-34.28	-65.07	-54.78	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	-51.35	-13	-38.35	-65.55	-55.95	3.00	7.60	H
	5625	-47.55	-13	-34.55	-61.34	-53.81	3.84	10.10	H
	7503	-43.93	-13	-30.93	-63.71	-51.43	4.43	11.93	H
	3750	-53.13	-13	-40.13	-65.62	-57.73	3.00	7.60	V
	5625	-48.59	-13	-35.59	-61.00	-54.85	3.84	10.10	V
	7503	-45.85	-13	-32.85	-63.64	-53.35	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
	5619	-46.89	-13	-33.89	-60.68	-53.15	3.84	10.10	H
	7494	-44.50	-13	-31.50	-64.28	-52.00	4.43	11.93	H
	3747	-51.60	-13	-38.60	-64.09	-56.20	3.00	7.60	V
	5619	-49.36	-13	-36.36	-61.77	-55.62	3.84	10.10	V
	7494	-44.38	-13	-31.38	-62.17	-51.88	4.43	11.93	V

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

LTE Band 2 / 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	-50.94	-13	-37.94	-65.14	-55.54	3.00	7.60	H
	5613	-47.92	-13	-34.92	-61.71	-54.18	3.84	10.10	H
	7485	-42.96	-13	-29.96	-62.74	-50.46	4.43	11.93	H
	3741	-53.24	-13	-40.24	-65.73	-57.84	3.00	7.60	V
	5613	-48.14	-13	-35.14	-60.55	-54.40	3.84	10.10	V
	7485	-43.38	-13	-30.38	-61.17	-50.88	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	-51.65	-13	-38.65	-65.78	-56.02	3.12	7.49	H
	5196.15	-48.98	-13	-35.98	-62.13	-54.78	3.65	9.45	H
	6927	-46.70	-13	-33.70	-63.56	-53.90	4.15	11.35	H
	3465	-54.21	-13	-41.21	-67.03	-58.58	3.12	7.49	V
	5196.15	-49.53	-13	-36.53	-63.54	-55.33	3.65	9.45	V
	6927	-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 / 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	-52.65	-13	-39.65	-66.78	-57.02	3.12	7.49	H
	5193.72	-51.59	-13	-38.59	-64.74	-57.39	3.65	9.45	H
	6924	-46.62	-13	-33.62	-63.48	-53.82	4.15	11.35	H
	3462	-53.98	-13	-40.98	-66.8	-58.35	3.12	7.49	V
	5193.72	-49.81	-13	-36.81	-63.82	-55.61	3.65	9.45	V
	6924	-48.60	-13	-35.60	-63.85	-55.80	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	-50.82	-13	-37.82	-64.95	-55.19	3.12	7.49	H
	5191.02	-51.06	-13	-38.06	-64.21	-56.86	3.65	9.45	H
	6921	-47.70	-13	-34.70	-64.56	-54.90	4.15	11.35	H
	3462	-54.01	-13	-41.01	-66.83	-58.38	3.12	7.49	V
	5191.02	-49.95	-13	-36.95	-63.96	-55.75	3.65	9.45	V
	6921	-48.39	-13	-35.39	-63.64	-55.59	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	-50.73	-13	-37.73	-64.86	-55.10	3.12	7.49	H
	5184	-49.09	-13	-36.09	-62.24	-54.89	3.65	9.45	H
	6912	-45.98	-13	-32.98	-62.84	-53.18	4.15	11.35	H
	3456	-52.38	-13	-39.38	-65.2	-56.75	3.12	7.49	V
	5184	-47.72	-13	-34.72	-61.73	-53.52	3.65	9.45	V
	6912	-47.70	-13	-34.70	-62.95	-54.90	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	-51.56	-13	-38.56	-65.69	-55.93	3.12	7.49	H
	5177.52	-49.61	-13	-36.61	-62.76	-55.41	3.65	9.45	H
	6903	-46.74	-13	-33.74	-63.60	-53.94	4.15	11.35	H
	3453	-55.06	-13	-42.06	-67.88	-59.43	3.12	7.49	V
	5177.52	-49.40	-13	-36.40	-63.41	-55.20	3.65	9.45	V
	6903	-48.39	-13	-35.39	-63.64	-55.59	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	-50.73	-13	-37.73	-64.86	-55.10	3.12	7.49	H
	5170.77	-50.68	-13	-37.68	-63.83	-56.48	3.65	9.45	H
	6894	-46.30	-13	-33.30	-63.16	-53.50	4.15	11.35	H
	3447	-54.13	-13	-41.13	-66.95	-58.50	3.12	7.49	V
	5170.77	-49.75	-13	-36.75	-63.76	-55.55	3.65	9.45	V
	6894	-48.61	-13	-35.61	-63.86	-55.81	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	-41.54	-13	-28.54	-47.29	-43.43	1.86	5.90	H
	2508	-40.13	-13	-27.13	-53.40	-42.47	2.31	6.80	H
	3345	-53.46	-13	-40.46	-66.09	-55.86	2.85	7.40	H
	1672	-43.59	-13	-30.59	-48.44	-45.48	1.86	5.90	V
	2508	-38.79	-13	-25.79	-53.72	-41.13	2.31	6.80	V
	3345	-52.53	-13	-39.53	-66.51	-54.93	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	-31.47	-13	-18.47	-38.78	-33.36	1.86	5.90	H
	2506	-37.29	-13	-24.29	-51.45	-39.63	2.31	6.80	H
	3342	-44.59	-13	-31.59	-58.91	-46.99	2.85	7.40	H
	1670	-30.97	-13	-17.97	-38.00	-32.86	1.86	5.90	V
	2506	-40.69	-13	-27.69	-55.09	-43.03	2.31	6.80	V
	3342	-37.48	-13	-24.48	-55.32	-39.88	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	-31.56	-13	-18.56	-38.87	-33.45	1.86	5.90	H
	2504	-37.27	-13	-24.27	-51.43	-39.61	2.31	6.80	H
	3336	-41.53	-13	-28.53	-57.08	-43.93	2.85	7.40	H
	1670	-30.27	-13	-17.27	-37.40	-32.16	1.86	5.90	V
	2504	-41.06	-13	-28.06	-55.41	-43.40	2.31	6.80	V
	3339	-37.96	-13	-24.96	-55.57	-40.36	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	-40.49	-13	-27.49	-46.60	-42.38	1.86	5.90	H
	2496	-40.52	-13	-27.52	-53.79	-42.86	2.31	6.80	H
	3327	-53.24	-13	-40.24	-65.87	-55.64	2.85	7.40	H
	1664	-39.23	-13	-26.23	-45.36	-41.12	1.86	5.90	V
	2496	-38.12	-13	-25.12	-53.34	-40.46	2.31	6.80	V
	3330	-37.34	-13	-24.34	-55.25	-39.74	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	-48.65	-25	-23.65	-62.63	-54.43	3.49	9.27	H
	7598.52	-45.35	-25	-20.35	-61.89	-53.14	4.28	12.07	H
	10132	-43.98	-25	-18.98	-65.37	-51.28	5.10	12.40	H
	5065.68	-49.05	-25	-24.05	-63.21	-54.83	3.49	9.27	V
	7598	-40.96	-25	-15.96	-57.98	-48.75	4.28	12.07	V
	10132	-44.65	-25	-19.65	-65.75	-51.95	5.10	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	5061.18	-49.05	-25	-24.05	-63.03	-54.83	3.49	9.27	H
	7592	-42.75	-25	-17.75	-59.29	-50.54	4.28	12.07	H
	10124	-43.76	-25	-18.76	-65.15	-51.06	5.10	12.40	H
	5061.18	-48.83	-25	-23.83	-62.99	-54.61	3.49	9.27	V
	7592	-42.01	-25	-17.01	-59.03	-49.80	4.28	12.07	V
	10124	-43.79	-25	-18.79	-64.89	-51.09	5.10	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	-49.09	-25	-24.09	-63.07	-54.87	3.49	9.27	H
	7585.02	-44.07	-25	-19.07	-60.61	-51.86	4.28	12.07	H
	10112	-44.18	-25	-19.18	-65.57	-51.48	5.10	12.40	H
	5057	-48.99	-25	-23.99	-63.15	-54.77	3.49	9.27	V
	7586	-40.46	-25	-15.46	-57.48	-48.25	4.28	12.07	V
	10112	-45.67	-25	-20.67	-66.77	-52.97	5.10	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	-48.55	-25	-23.55	-62.53	-54.33	3.49	9.27	H
	7580	-44.70	-25	-19.70	-61.24	-52.49	4.28	12.07	H
	10104	-43.68	-25	-18.68	-65.07	-50.98	5.10	12.40	H
	5052.18	-48.68	-25	-23.68	-62.84	-54.46	3.49	9.27	V
	7577	-40.97	-25	-15.97	-57.99	-48.76	4.28	12.07	V
	10104	-46.18	-25	-21.18	-67.28	-53.48	5.10	12.40	V

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