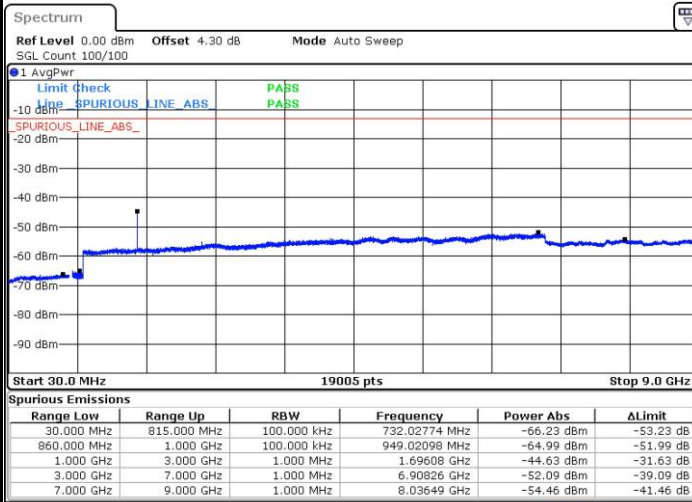




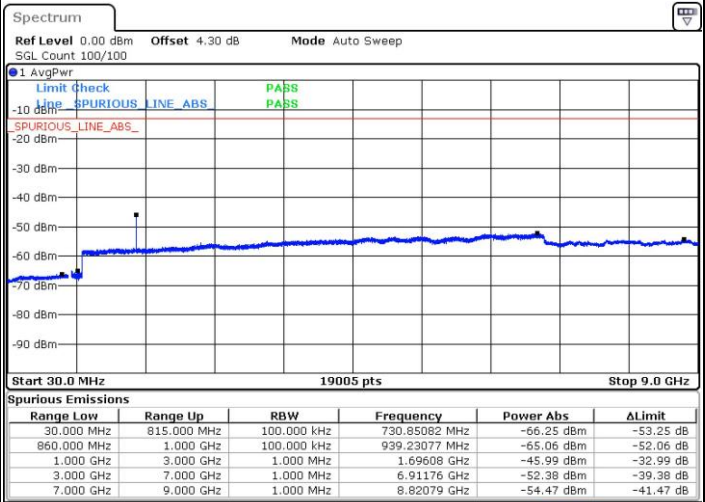
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 20 JAN 2016 11:19:45

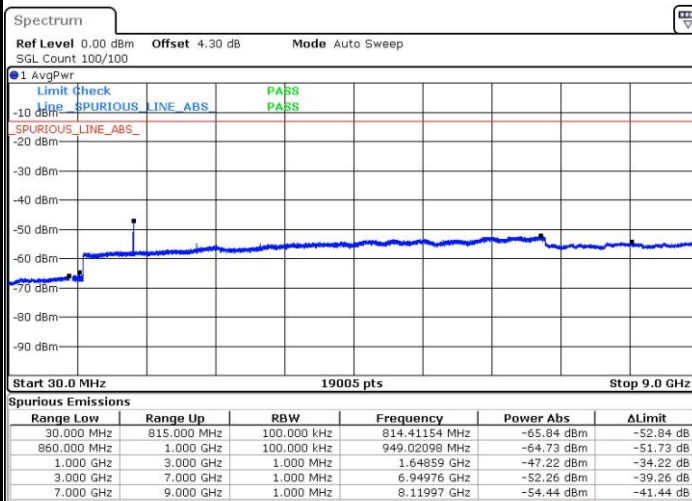
Highest Channel / 16QAM



Date: 20 JAN 2016 11:20:39

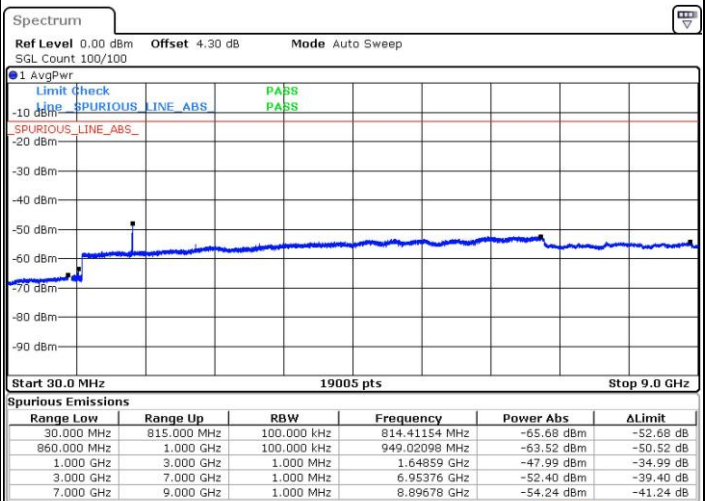
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 20 JAN 2016 11:30:20

Lowest Channel / 16QAM

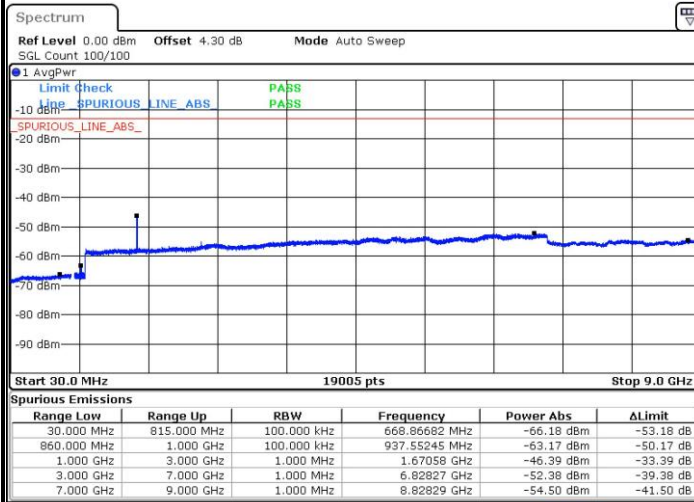


Date: 20 JAN 2016 11:31:14



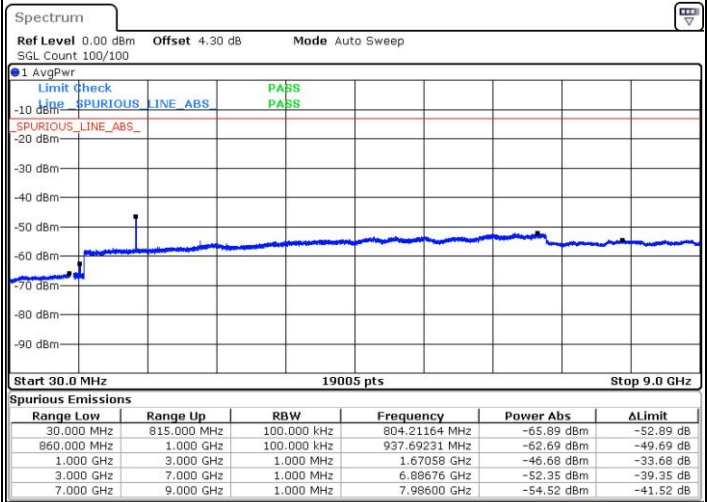
LTE Band 5 / 3MHz

Middle Channel / QPSK



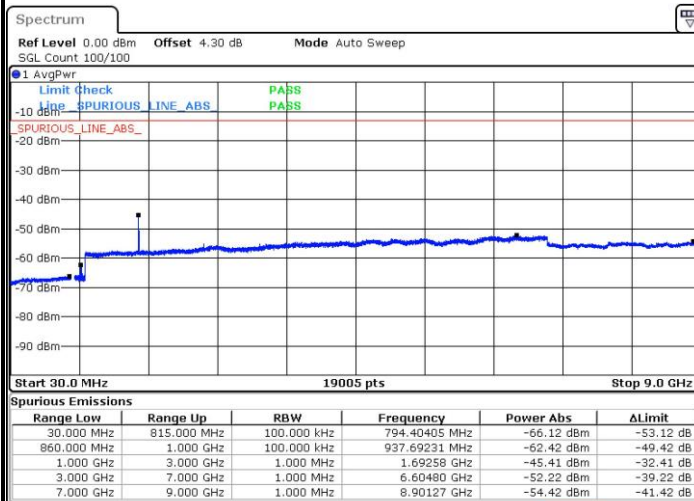
Date: 20 JAN 2016 11:32:49

Middle Channel / 16QAM



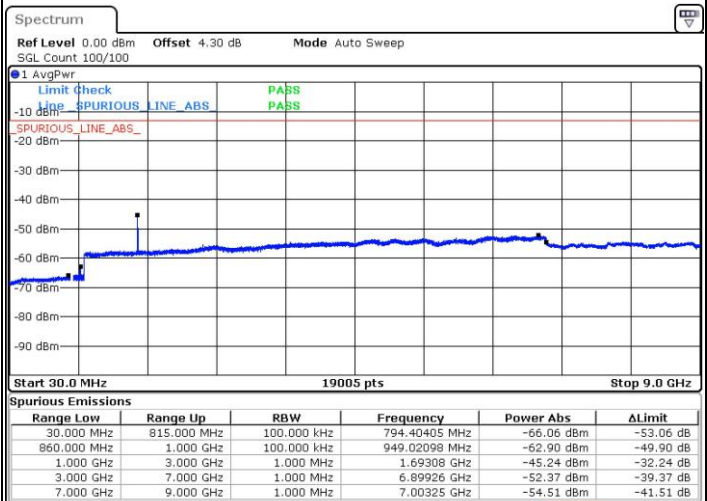
Date: 20 JAN 2016 11:33:42

Highest Channel / QPSK



Date: 20 JAN 2016 11:43:24

Highest Channel / 16QAM

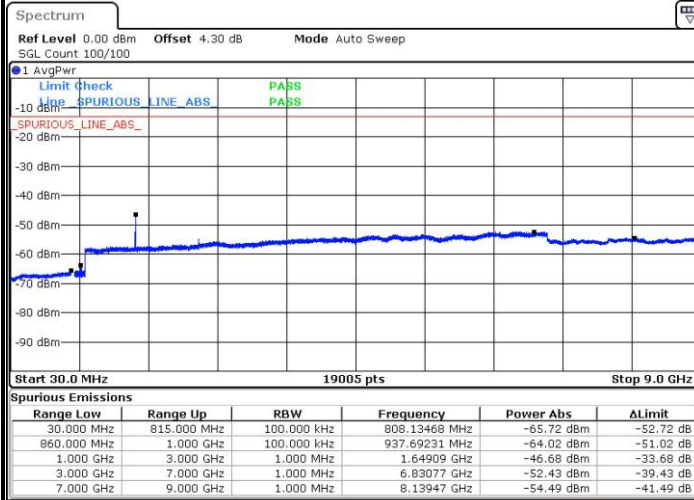


Date: 20 JAN 2016 11:44:17



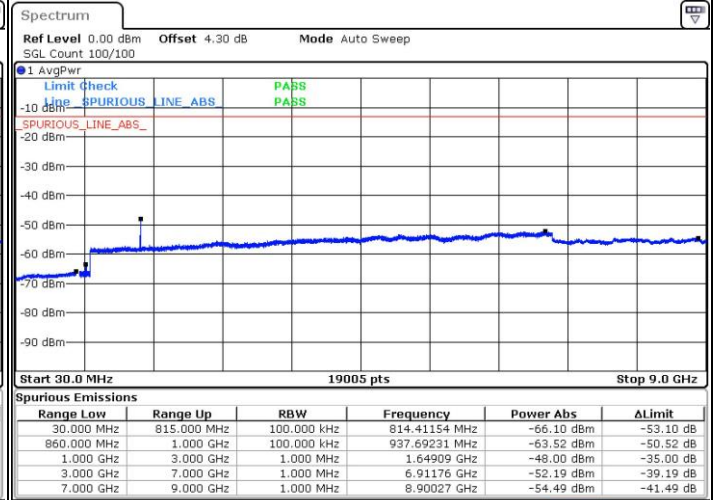
LTE Band 5 / 5MHz

Lowest Channel / QPSK



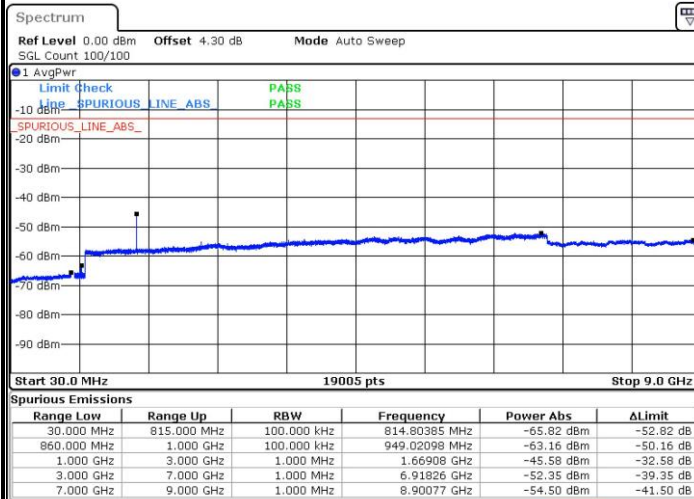
Date: 20 JAN 2016 11:53:59

Lowest Channel / 16QAM



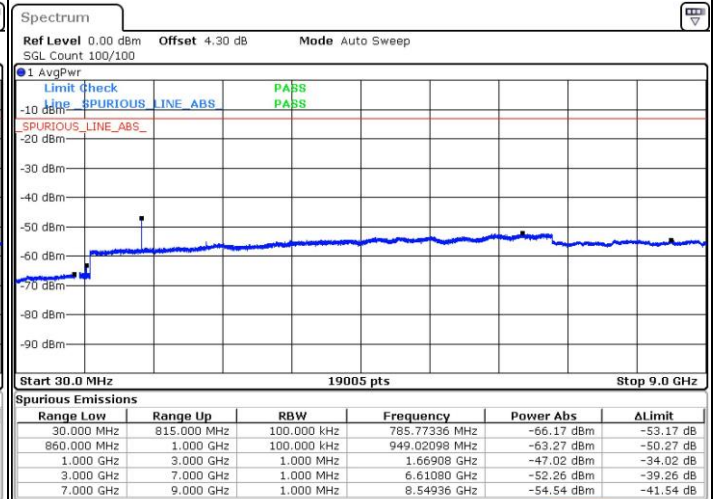
Date: 20 JAN 2016 11:54:52

Middle Channel / QPSK



Date: 20 JAN 2016 11:56:27

Middle Channel / 16QAM

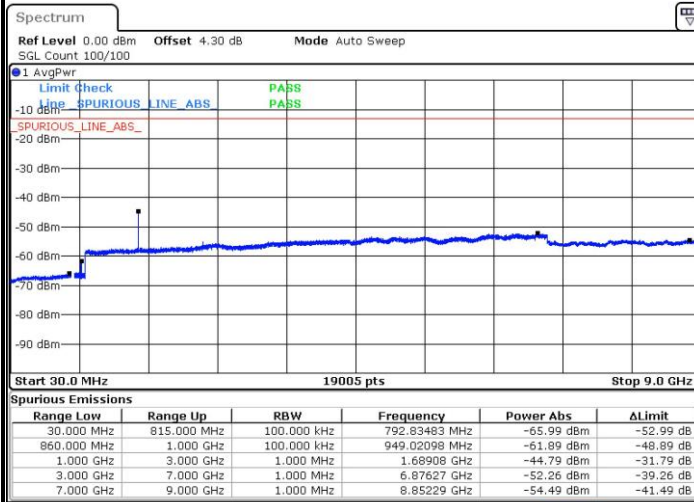


Date: 20 JAN 2016 11:57:21



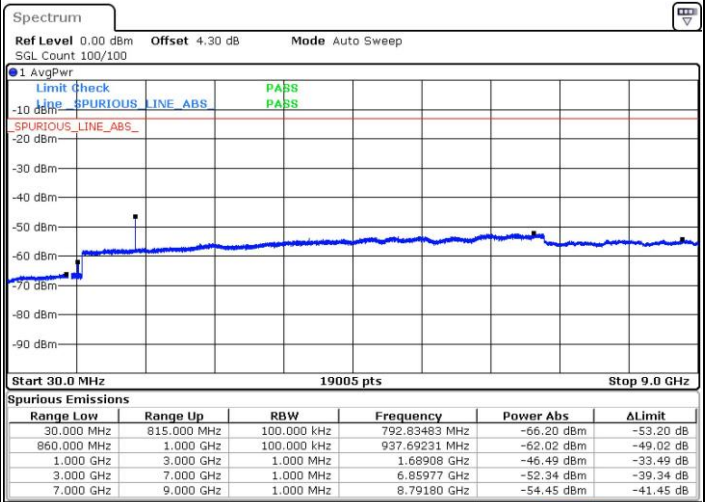
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 20 JAN 2016 12:07:02

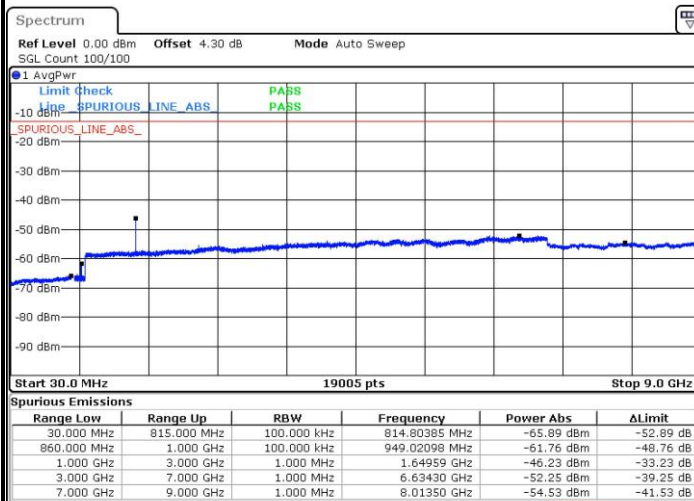
Highest Channel / 16QAM



Date: 20 JAN 2016 12:07:56

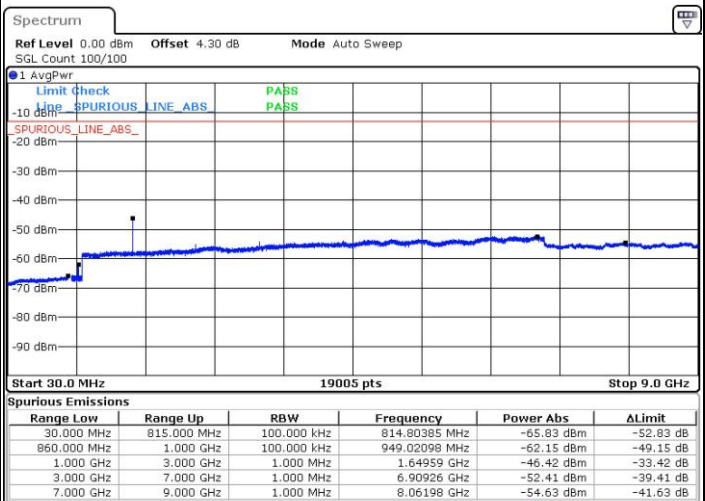
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 20 JAN 2016 12:17:37

Lowest Channel / 16QAM

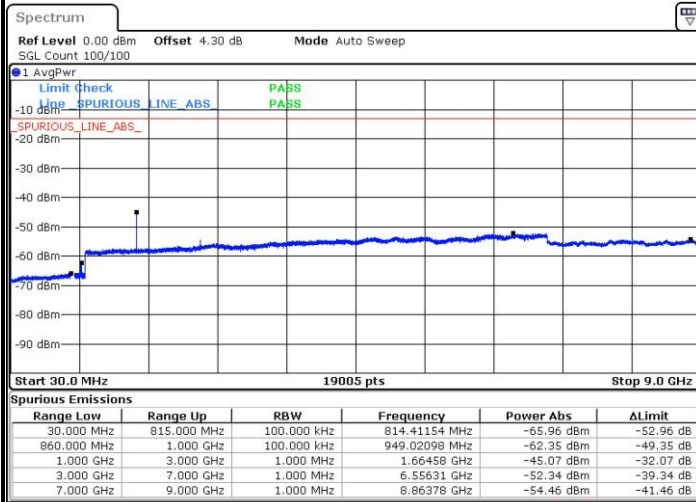


Date: 20 JAN 2016 12:18:31



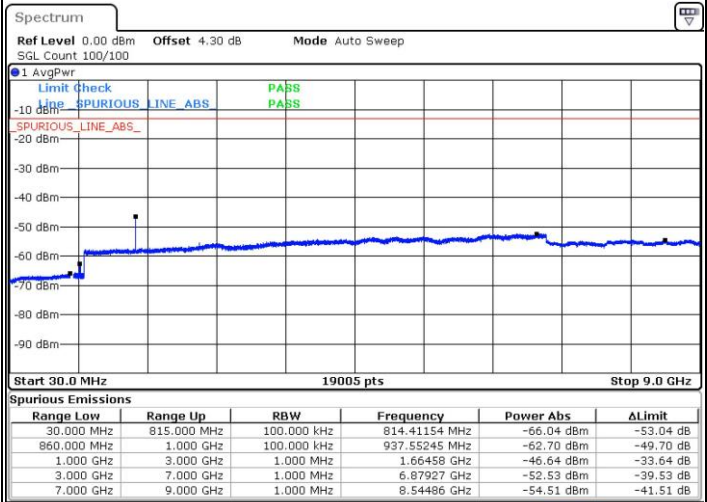
LTE Band 5 / 10MHz

Middle Channel / QPSK



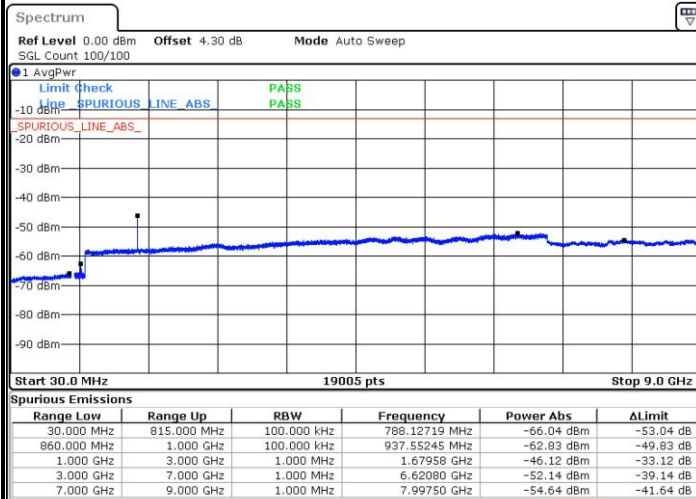
Date: 20 JAN 2016 12:20:06

Middle Channel / 16QAM



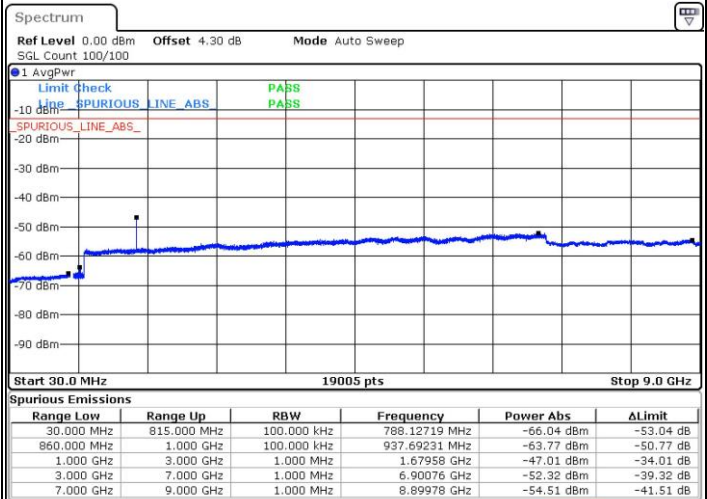
Date: 20 JAN 2016 12:20:59

Highest Channel / QPSK



Date: 20 JAN 2016 12:30:41

Highest Channel / 16QAM

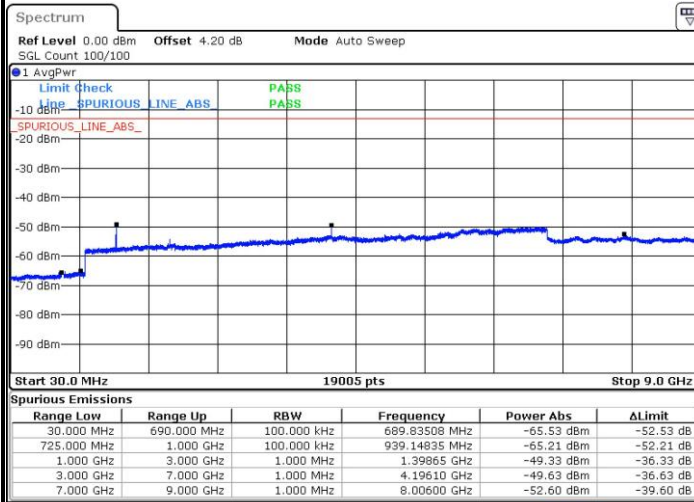


Date: 20 JAN 2016 12:31:34



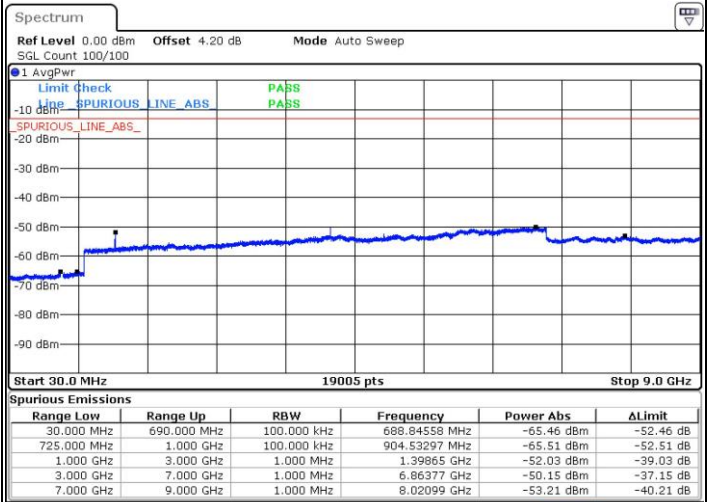
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



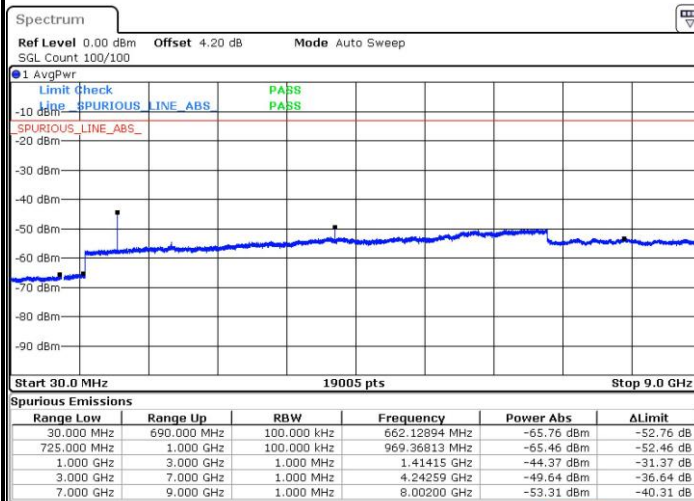
Date: 20 JAN 2016 21:54:32

Lowest Channel / 16QAM



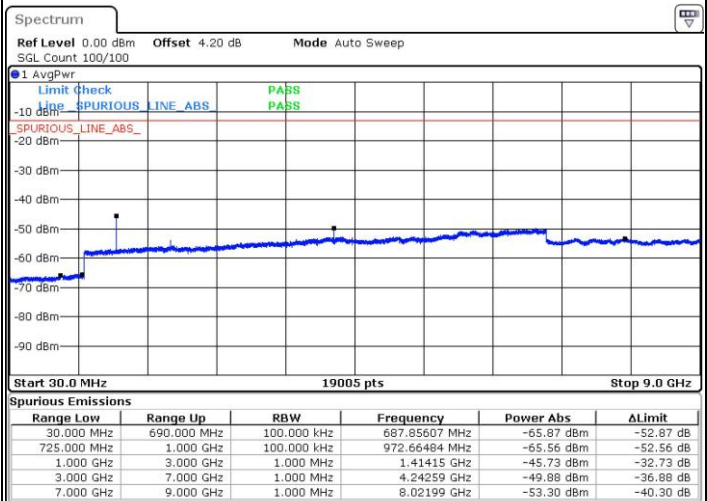
Date: 20 JAN 2016 21:55:27

Middle Channel / QPSK



Date: 20 JAN 2016 21:57:17

Middle Channel / 16QAM

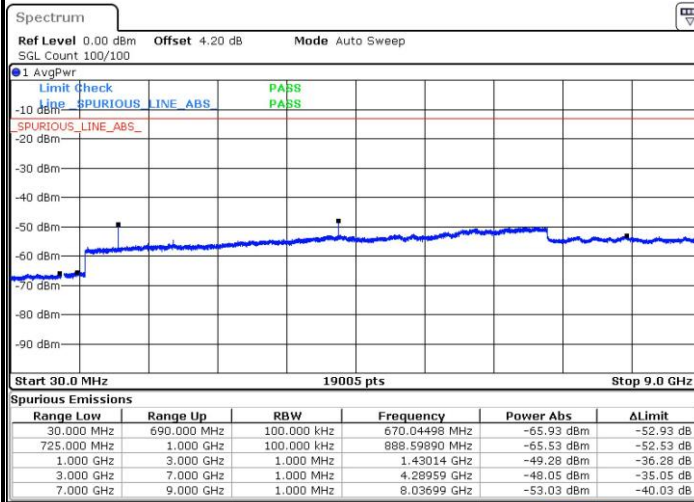


Date: 20 JAN 2016 21:56:22



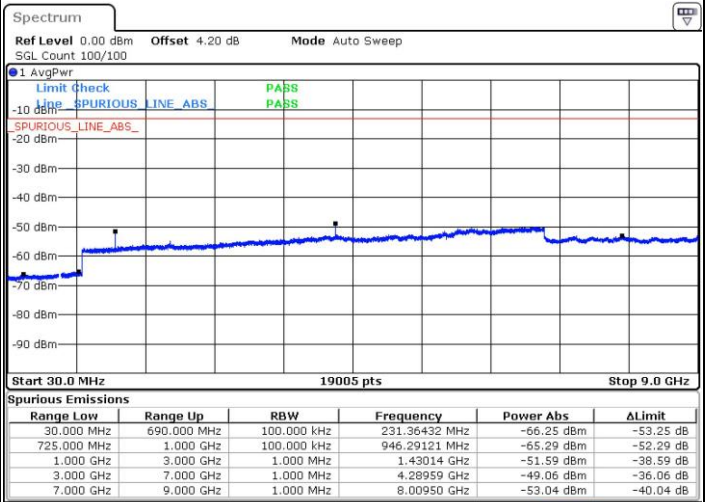
LTE Band 12 / 1.4MHz

Highest Channel / QPSK



Date: 20 JAN 2016 21:58:12

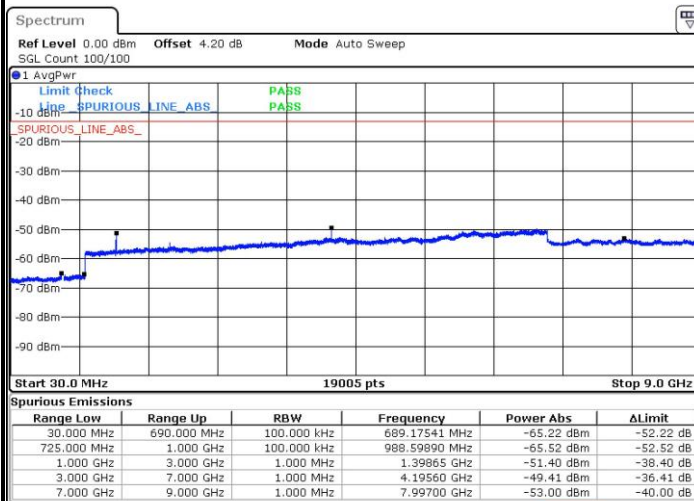
Highest Channel / 16QAM



Date: 20 JAN 2016 21:59:07

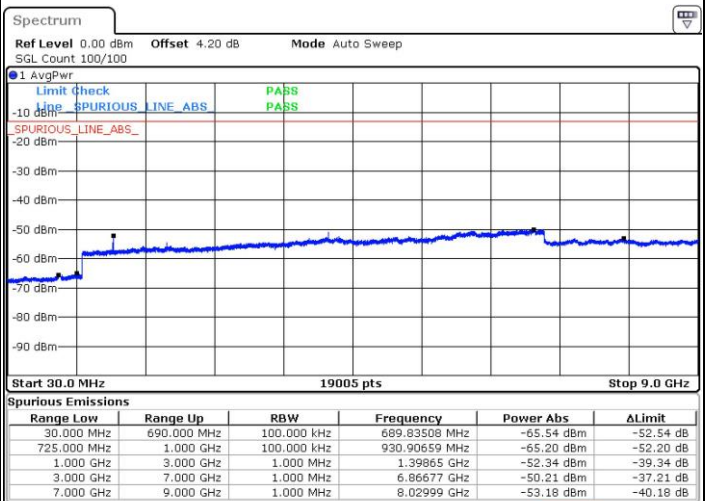
LTE Band 12 / 3MHz

Lowest Channel / QPSK



Date: 20 JAN 2016 22:18:22

Lowest Channel / 16QAM

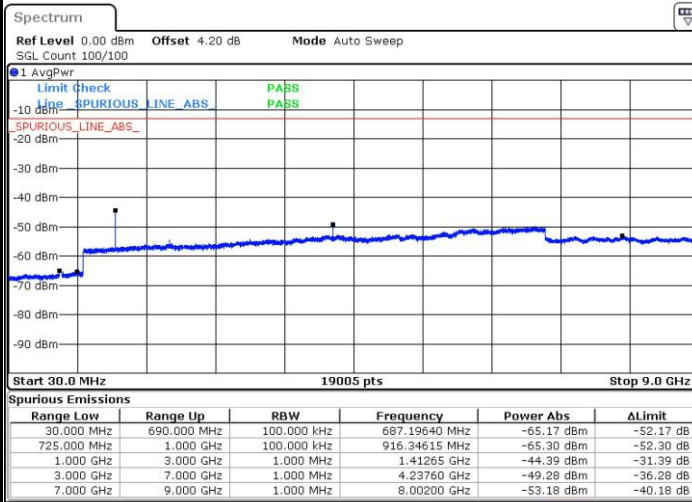


Date: 20 JAN 2016 22:19:17



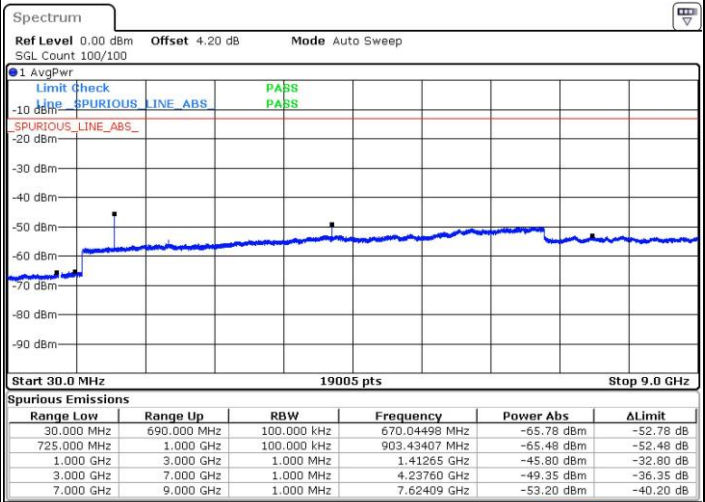
LTE Band 12 / 3MHz

Middle Channel / QPSK



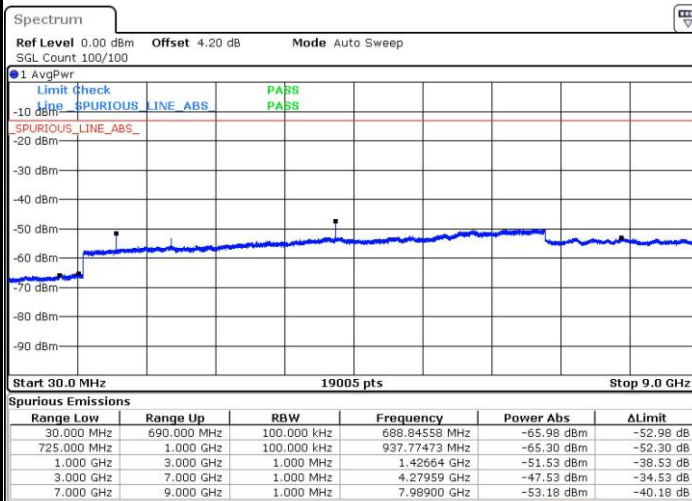
Date: 20 JAN 2016 22:21:07

Middle Channel / 16QAM



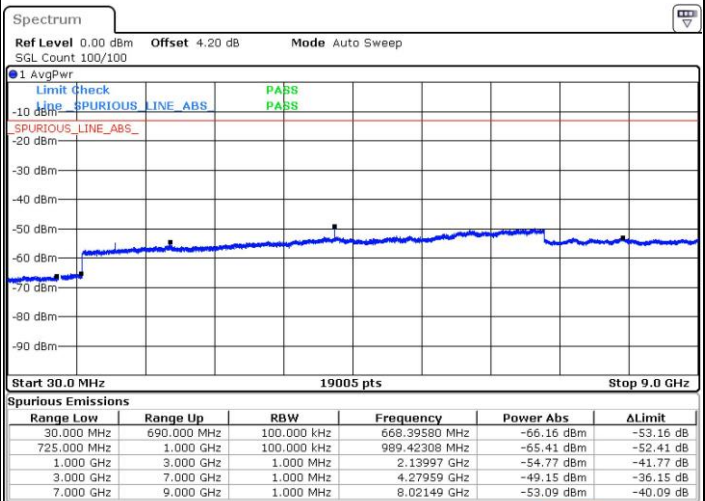
Date: 20 JAN 2016 22:20:12

Highest Channel / QPSK



Date: 20 JAN 2016 22:22:02

Highest Channel / 16QAM

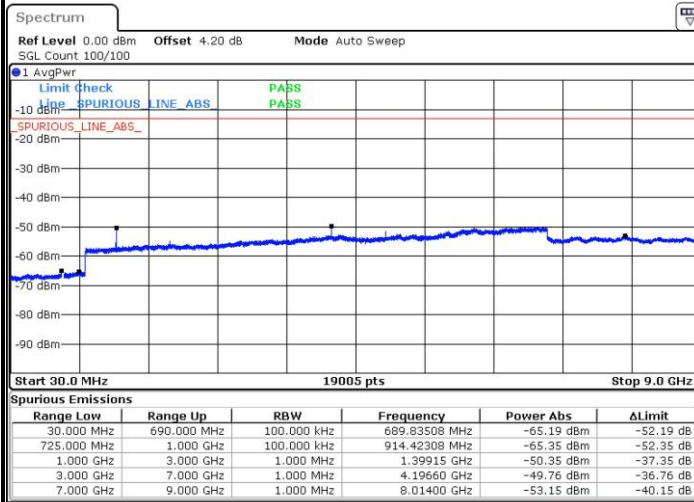


Date: 20 JAN 2016 22:22:57



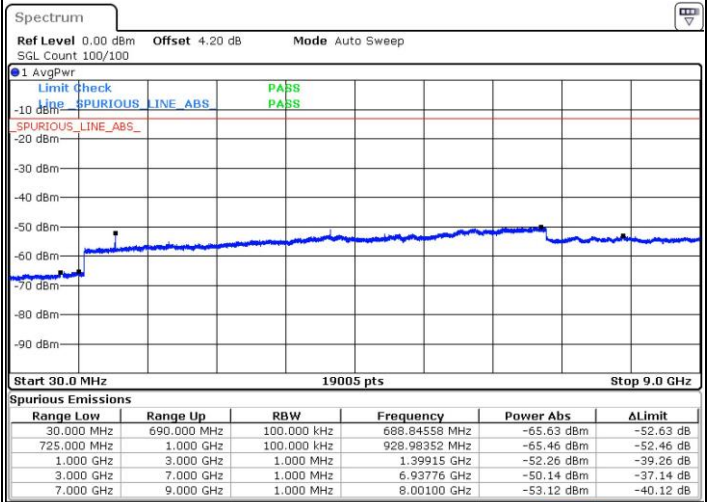
LTE Band 12 / 5MHz

Lowest Channel / QPSK



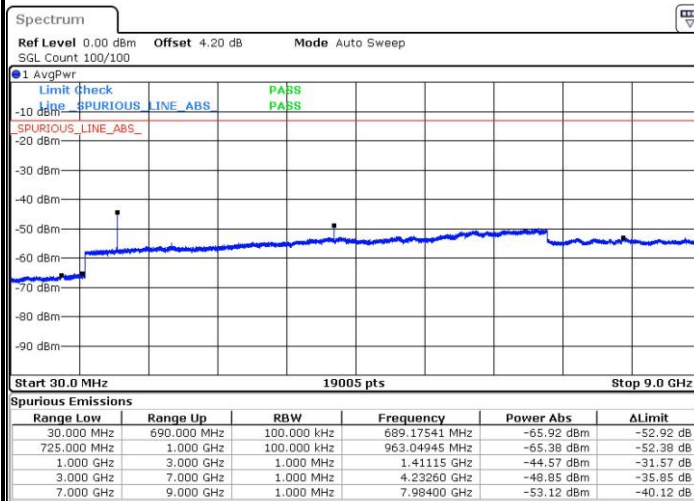
Date: 20 JAN 2016 22:42:11

Lowest Channel / 16QAM



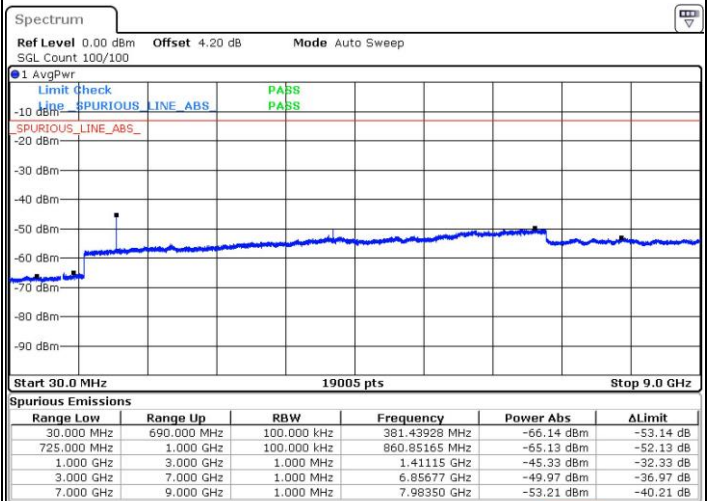
Date: 20 JAN 2016 22:43:06

Middle Channel / QPSK



Date: 20 JAN 2016 22:44:56

Middle Channel / 16QAM

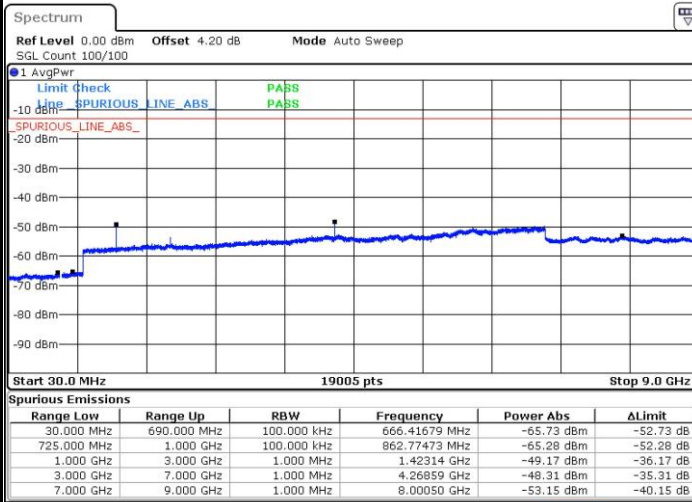


Date: 20 JAN 2016 22:44:01



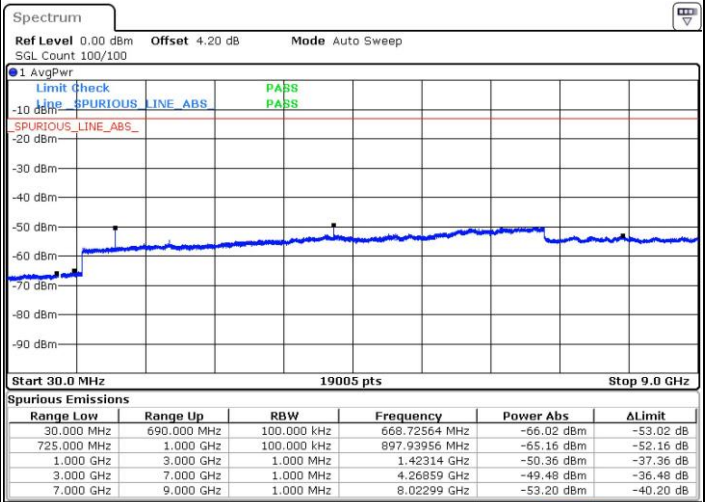
LTE Band 12 / 5MHz

Highest Channel / QPSK



Date: 20 JAN 2016 22:45:51

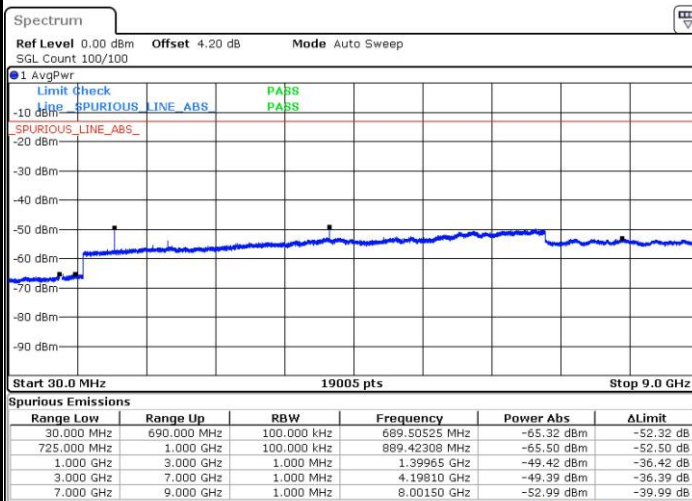
Highest Channel / 16QAM



Date: 20 JAN 2016 22:46:47

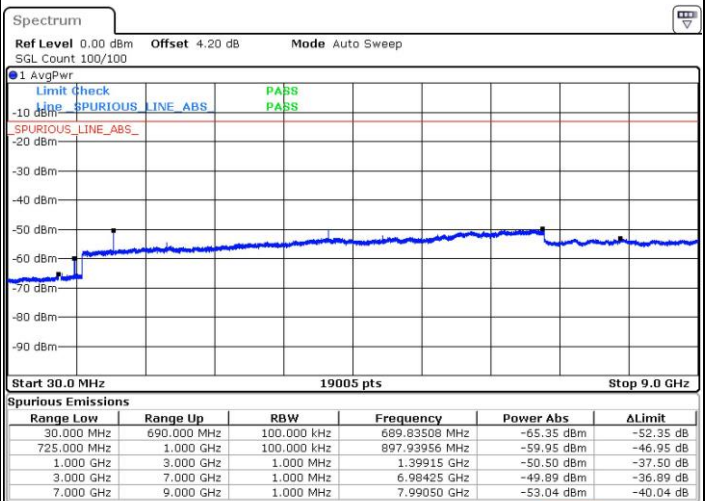
LTE Band 12 / 10MHz

Lowest Channel / QPSK



Date: 20 JAN 2016 23:06:00

Lowest Channel / 16QAM

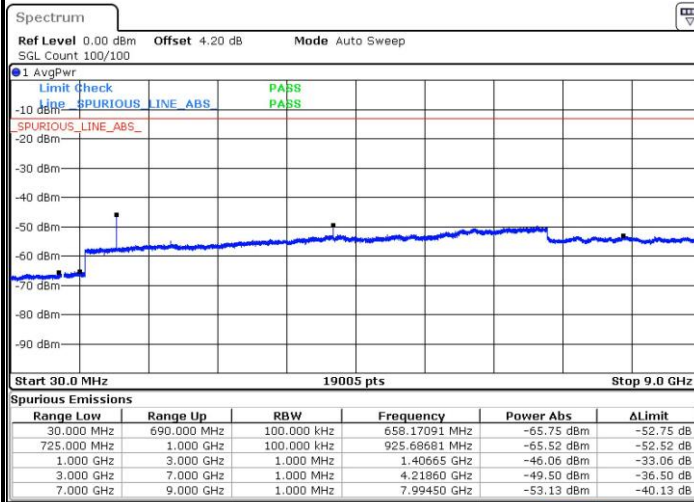


Date: 20 JAN 2016 23:06:55



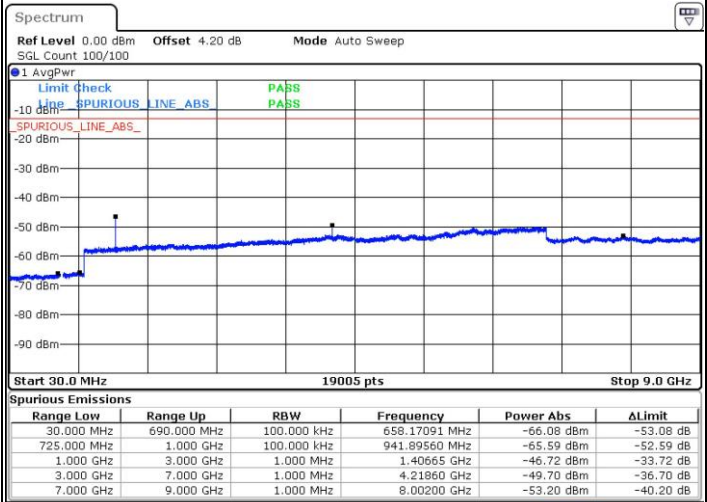
LTE Band 12 / 10MHz

Middle Channel / QPSK



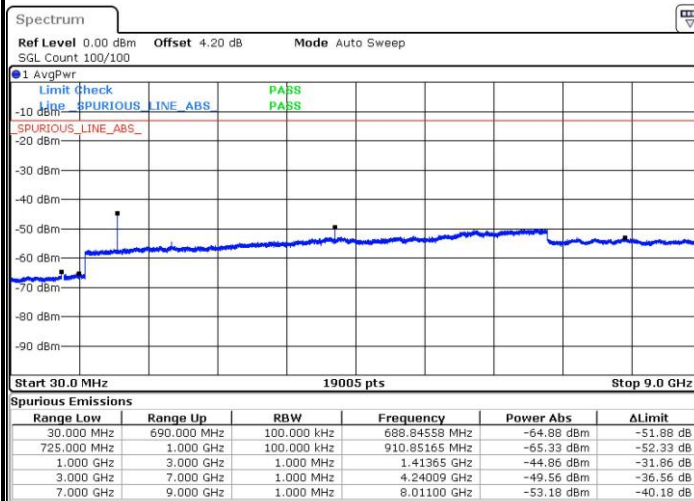
Date: 20 JAN 2016 23:08:45

Middle Channel / 16QAM



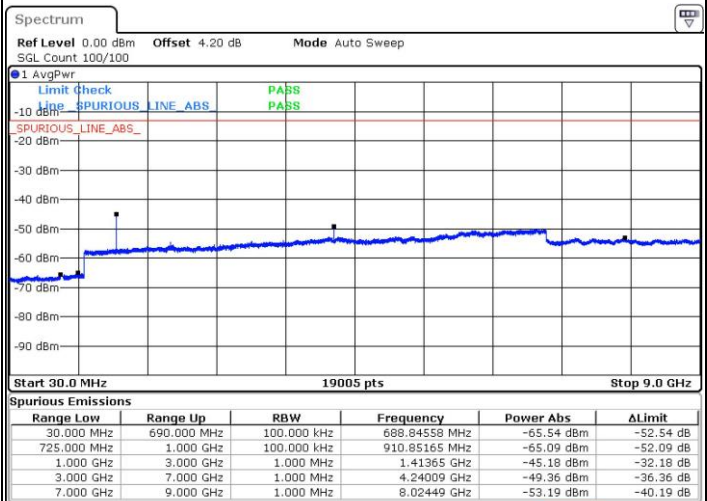
Date: 20 JAN 2016 23:07:50

Highest Channel / QPSK



Date: 20 JAN 2016 23:13:20

Highest Channel / 16QAM



Date: 20 JAN 2016 23:10:36

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	0.0014	PASS
40	Normal Voltage	0.0025	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0026	
0	Normal Voltage	0.0020	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0004	
20	Battery End Point	0.0002	

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	0.0006	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0010	
20	Normal Voltage	0.0023	
20	Battery End Point	0.0009	

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	0.0014	PASS
40	Normal Voltage	0.0032	
30	Normal Voltage	0.0048	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0039	
0	Normal Voltage	0.0037	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0011	
20	Battery End Point	0.0022	

Note: Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.5V. ; Maximum Voltage =4.35 V

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0010	PASS
40	Normal Voltage	0.0075	
30	Normal Voltage	0.0082	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0095	
0	Normal Voltage	0.0117	
-10	Normal Voltage	0.0059	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0113	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0014	
20	Battery End Point	0.0079	

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	3	1	21.80	0.1514	21.72	0.1486
Middle		3	1	21.50	0.1413	22.38	0.1730
Highest		3	1	22.07	0.1611	22.65	0.1841
Lowest	16QAM	1	5	20.46	0.1112	20.49	0.1119
Middle		1	0	20.81	0.1205	21.66	0.1466
Highest		3	1	21.44	0.1393	22.15	0.1641
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	22.05	0.1603	22.13	0.1633
Middle		1	0	21.85	0.1531	22.55	0.1799
Highest		1	0	22.25	0.1679	22.96	0.1977
Lowest	16QAM	1	0	20.90	0.1230	20.98	0.1253
Middle		1	14	20.74	0.1186	21.75	0.1496
Highest		1	0	21.27	0.1340	21.96	0.1570
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	22.03	0.1596	22.02	0.1592
Middle		1	0	21.53	0.1422	22.26	0.1683
Highest		1	24	22.26	0.1683	22.96	0.1977
Lowest	16QAM	1	24	21.07	0.1279	21.20	0.1318
Middle		1	0	20.72	0.1180	21.42	0.1387
Highest		1	24	21.31	0.1352	21.95	0.1567
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	21.95	0.1567	22.01	0.1589
Middle		1	25	21.44	0.1393	22.22	0.1667
Highest		1	49	22.08	0.1614	22.66	0.1845
Lowest	16QAM	1	49	21.17	0.1309	21.36	0.1368
Middle		1	25	20.94	0.1242	21.81	0.1517
Highest		1	25	21.43	0.1390	21.95	0.1567
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	21.79	0.1510	22.18	0.1652
Middle		1	0	21.70	0.1479	22.31	0.1702
Highest		1	0	21.90	0.1549	22.48	0.1770
Lowest	16QAM	1	74	20.96	0.1247	21.18	0.1312
Middle		1	0	20.64	0.1159	21.17	0.1309
Highest		1	0	21.08	0.1282	21.67	0.1469
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	21.74	0.1493	21.78	0.1507
Middle		1	0	21.94	0.1563	22.18	0.1652
Highest		1	49	22.05	0.1603	22.38	0.1730
Lowest	16QAM	1	0	20.01	0.1002	20.41	0.1099
Middle		1	0	20.60	0.1148	20.79	0.1199
Highest		1	0	20.43	0.1104	21.46	0.1400
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	23.62	0.2301	23.51	0.2244
Middle		1	5	23.65	0.2317	23.84	0.2421
Highest		3	1	24.07	0.2553	23.36	0.2168
Lowest	16QAM	3	3	22.51	0.1782	22.45	0.1758
Middle		3	3	22.60	0.1820	22.62	0.1828
Highest		3	0	22.69	0.1858	21.99	0.1581
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	23.87	0.2438	23.76	0.2377
Middle		1	14	23.79	0.2393	24.09	0.2564
Highest		1	14	23.96	0.2489	23.45	0.2213
Lowest	16QAM	1	0	22.64	0.1837	22.83	0.1919
Middle		1	0	23.06	0.2023	23.24	0.2109
Highest		1	14	23.28	0.2128	22.58	0.1811
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	23.78	0.2388	23.51	0.2244
Middle		1	12	23.66	0.2323	23.89	0.2449
Highest		1	24	24.15	0.2600	23.45	0.2213
Lowest	16QAM	1	12	23.13	0.2056	23.01	0.2000
Middle		1	0	23.14	0.2061	22.81	0.1910
Highest		1	0	23.26	0.2118	22.67	0.1849
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	24.31	0.2698	24.05	0.2541
Middle		1	25	24.11	0.2576	24.34	0.2716
Highest		1	0	23.88	0.2443	23.67	0.2328
Lowest	16QAM	1	0	23.12	0.2051	23.03	0.2009
Middle		1	0	23.65	0.2317	23.29	0.2133
Highest		1	0	23.31	0.2143	23.12	0.2051
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.95	0.2483	23.85	0.2427
Middle		1	0	24.19	0.2624	23.68	0.2333
Highest		1	0	23.53	0.2254	23.71	0.2350
Lowest	16QAM	1	0	23.38	0.2178	23.27	0.2123
Middle		1	0	23.26	0.2118	22.87	0.1936
Highest		1	0	22.63	0.1832	22.90	0.1950
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	24.44	0.2780	23.94	0.2477
Middle		1	0	24.31	0.2698	24.00	0.2512
Highest		1	0	23.82	0.2410	23.80	0.2399
Lowest	16QAM	1	0	22.54	0.1795	22.42	0.1746
Middle		1	0	23.45	0.2213	23.01	0.2000
Highest		1	0	22.97	0.1982	22.98	0.1986
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	19.81	0.0957	10.89	0.0123
Middle		3	3	19.62	0.0916	10.83	0.0121
Highest		3	1	19.88	0.0973	11.24	0.0133
Lowest	16QAM	1	0	19.19	0.0830	10.12	0.0103
Middle		1	0	18.80	0.0759	10.03	0.0101
Highest		1	3	19.16	0.0824	10.55	0.0114
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	20.11	0.1026	11.17	0.0131
Middle		1	0	19.97	0.0993	11.27	0.0134
Highest		1	0	19.94	0.0986	11.24	0.0133
Lowest	16QAM	1	0	19.05	0.0804	9.67	0.0093
Middle		1	0	19.26	0.0843	10.72	0.0118
Highest		1	0	19.23	0.0838	10.38	0.0109
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	19.94	0.0986	10.85	0.0122
Middle		1	12	19.51	0.0893	10.73	0.0118
Highest		1	12	19.98	0.0995	11.28	0.0134
Lowest	16QAM	1	0	18.59	0.0723	9.94	0.0099
Middle		1	0	18.83	0.0764	9.73	0.0094
Highest		1	24	18.82	0.0762	10.19	0.0104
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	0	19.86	0.0968	10.83	0.0121
Middle		1	25	19.70	0.0933	10.94	0.0124
Highest		1	0	19.58	0.0908	10.99	0.0126
Lowest	16QAM	1	0	19.04	0.0802	10.08	0.0102
Middle		1	25	18.73	0.0746	9.98	0.0100
Highest		1	0	18.82	0.0762	10.25	0.0106
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	3	1	18.01	0.0632	4.07	0.0026
Middle		1	0	19.03	0.0800	5.05	0.0032
Highest		3	1	19.30	0.0851	5.81	0.0038
Lowest	16QAM	1	5	17.31	0.0538	3.46	0.0022
Middle		3	0	17.93	0.0621	4.14	0.0026
Highest		3	1	18.34	0.0682	4.88	0.0031
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	18.26	0.0670	4.36	0.0027
Middle		1	0	19.06	0.0805	5.04	0.0032
Highest		1	0	19.39	0.0869	6.05	0.0040
Lowest	16QAM	1	0	17.32	0.0540	3.20	0.0021
Middle		1	0	18.34	0.0682	4.26	0.0027
Highest		1	0	18.57	0.0719	5.21	0.0033
Limit	ERP < 3W			Result		PASS	



LTE Band 12 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	18.48	0.0705	4.22	0.0026
Middle		1	12	18.94	0.0783	5.05	0.0032
Highest		1	12	19.36	0.0863	6.02	0.0040
Lowest	16QAM	1	12	17.41	0.0551	3.54	0.0023
Middle		1	0	18.02	0.0634	4.15	0.0026
Highest		1	12	17.63	0.0579	4.18	0.0026
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	18.99	0.0793	5.16	0.0033
Middle		1	25	19.12	0.0817	5.22	0.0033
Highest		1	25	18.93	0.0782	5.44	0.0035
Lowest	16QAM	1	25	18.29	0.0675	4.45	0.0028
Middle		1	25	18.65	0.0733	4.78	0.0030
Highest		1	0	18.50	0.0708	4.66	0.0029
Limit	ERP < 3W			Result		PASS	

**Radiated Spurious Emission**

LTE Band 2 / 1.4MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3759	-56.61	-13	-43.61	-66.17	-61.61	2.60	7.60	H
	5640	-53.90	-13	-40.90	-67.89	-60.90	3.10	10.10	H
	7518	-49.16	-13	-36.16	-67.89	-55.32	5.77	11.93	H
	3759	-49.06	-13	-36.06	-59.84	-54.06	2.60	7.60	V
	5640	-53.41	-13	-40.41	-67.87	-60.41	3.10	10.10	V
	7518	-50.87	-13	-37.87	-68.79	-57.03	5.77	11.93	V

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

LTE Band 2 / 3MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3756	-56.28	-13	-43.28	-65.84	-61.28	2.60	7.60	H
	5637	-52.74	-13	-39.74	-66.73	-59.74	3.10	10.10	H
	7515	-49.69	-13	-36.69	-68.42	-55.85	5.77	11.93	H
	3759	-49.99	-13	-36.99	-60.77	-54.99	2.60	7.60	V
	5637	-52.15	-13	-39.15	-66.61	-59.15	3.10	10.10	V
	7515	-50.89	-13	-37.89	-68.81	-57.05	5.77	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	-56.76	-13	-43.76	-66.32	-61.76	2.60	7.60	H
	5633	-54.14	-13	-41.14	-68.13	-61.14	3.10	10.10	H
	7509	-50.27	-13	-37.27	-69.00	-56.43	5.77	11.93	H
	3753	-50.06	-13	-37.06	-60.83	-55.06	2.60	7.60	V
	5634	-53.14	-13	-40.14	-67.6	-60.14	3.10	10.10	V
	7509	-50.87	-13	-37.87	-68.79	-57.03	5.77	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	-56.57	-13	-43.57	-66.13	-61.57	2.60	7.60	H
	5628	-52.51	-13	-39.51	-66.50	-59.51	3.10	10.10	H
	7503	-50.29	-13	-37.29	-69.02	-56.45	5.77	11.93	H
	3750	-49.10	-13	-36.10	-59.88	-54.10	2.60	7.60	V
	5628	-53.47	-13	-40.47	-67.93	-60.47	3.10	10.10	V
	7503	-51.10	-13	-38.10	-69.02	-57.26	5.77	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	-55.93	-13	-42.93	-65.49	-60.93	2.60	7.60	H
	5622	-54.17	-13	-41.17	-68.16	-61.17	3.10	10.10	H
	7494	-50.29	-13	-37.29	-69.02	-56.45	5.77	11.93	H
	3747	-48.96	-13	-35.96	-59.75	-53.96	2.60	7.60	V
	5622	-53.40	-13	-40.40	-67.86	-60.40	3.10	10.10	V
	7494	-51.02	-13	-38.02	-68.94	-57.18	5.77	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	-56.21	-13	-43.21	-65.77	-61.21	2.60	7.60	H
	5613	-53.72	-13	-40.72	-67.71	-60.72	3.10	10.10	H
	7485	-50.15	-13	-37.15	-68.88	-56.31	5.77	11.93	H
	3741	-51.58	-13	-38.58	-62.1	-56.58	2.60	7.60	V
	5613	-53.10	-13	-40.10	-67.56	-60.10	3.10	10.10	V
	7485	-51.32	-13	-38.32	-69.24	-57.48	5.77	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	-57.60	-13	-44.60	-65.36	-62.58	2.51	7.49	H
	5196	-53.49	-13	-40.49	-67.08	-59.96	2.98	9.45	H
	6930	-51.68	-13	-38.68	-68.47	-57.75	5.28	11.35	H
	3465	-60.94	-13	-47.94	-65.77	-65.92	2.51	7.49	V
	5196	-53.36	-13	-40.36	-67.32	-59.83	2.98	9.45	V
	6930	-51.39	-13	-38.39	-68.42	-57.46	5.28	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	-57.21	-13	-44.21	-64.97	-62.19	2.51	7.49	H
	5193	-54.30	-13	-41.30	-67.89	-60.77	2.98	9.45	H
	6924	-51.91	-13	-38.91	-68.70	-57.98	5.28	11.35	H
	3462	-61.19	-13	-48.19	-66.02	-66.17	2.51	7.49	V
	5193	-52.77	-13	-39.77	-66.73	-59.24	2.98	9.45	V
	6924	-52.39	-13	-39.39	-69.42	-58.46	5.28	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	-56.14	-13	-43.14	-63.90	-61.12	2.51	7.49	H
	5193	-53.77	-13	-40.77	-67.36	-60.24	2.98	9.45	H
	6921	-51.99	-13	-38.99	-68.78	-58.06	5.28	11.35	H
	3462	-60.86	-13	-47.86	-65.69	-65.84	2.51	7.49	V
	5193	-53.06	-13	-40.06	-67.02	-59.53	2.98	9.45	V
	6921	-52.43	-13	-39.43	-69.46	-58.50	5.28	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	-57.37	-13	-44.37	-65.13	-62.35	2.51	7.49	H
	5184	-53.34	-13	-40.34	-66.93	-59.81	2.98	9.45	H
	6912	-51.64	-13	-38.64	-68.43	-57.71	5.28	11.35	H
	3456	-60.82	-13	-47.82	-65.65	-65.80	2.51	7.49	V
	5184	-52.66	-13	-39.66	-66.62	-59.13	2.98	9.45	V
	6912	-52.72	-13	-39.72	-69.75	-58.79	5.28	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	-57.03	-13	-44.03	-64.79	-62.01	2.51	7.49	H
	5178	-53.77	-13	-40.77	-67.36	-60.24	2.98	9.45	H
	6906	-51.65	-13	-38.65	-68.44	-57.72	5.28	11.35	H
	3453	-61.20	-13	-48.20	-66.03	-66.18	2.51	7.49	V
	5178	-54.02	-13	-41.02	-67.98	-60.49	2.98	9.45	V
	6906	-51.59	-13	-38.59	-68.62	-57.66	5.28	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	-56.32	-13	-43.32	-64.08	-61.30	2.51	7.49	H
	5172	-51.82	-13	-38.82	-65.41	-58.29	2.98	9.45	H
	6894	-52.22	-13	-39.22	-69.01	-58.29	5.28	11.35	H
	3447	-60.08	-13	-47.08	-64.91	-65.06	2.51	7.49	V
	5172	-52.05	-13	-39.05	-66.01	-58.52	2.98	9.45	V
	6894	-51.96	-13	-38.96	-68.99	-58.03	5.28	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	-58.72	-13	-45.72	-58.93	-60.74	1.73	5.90	H
	2508	-58.26	-13	-45.26	-62.39	-60.80	2.11	6.80	H
	3345	-59.38	-13	-46.38	-64.46	-62.16	2.47	7.40	H
	1672	-59.87	-13	-46.87	-61.26	-61.89	1.73	5.90	V
	2508	-57.53	-13	-44.53	-63.02	-60.07	2.11	6.80	V
	3345	-60.76	-13	-47.76	-66.05	-63.54	2.47	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	-59.54	-13	-46.54	-59.75	-61.56	1.73	5.90	H
	2506	-56.88	-13	-43.88	-61.01	-59.42	2.11	6.80	H
	3342	-58.41	-13	-45.41	-63.49	-61.19	2.47	7.40	H
	1672	-59.29	-13	-46.29	-60.75	-61.31	1.73	5.90	V
	2508	-58.13	-13	-45.13	-63.62	-60.67	2.11	6.80	V
	3343	-60.57	-13	-47.57	-65.86	-63.35	2.47	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	-59.57	-13	-46.57	-59.79	-61.59	1.73	5.90	H
	2504	-56.89	-13	-43.89	-61.02	-59.43	2.11	6.80	H
	3337	-58.45	-13	-45.45	-63.53	-61.23	2.47	7.40	H
	1670	-59.85	-13	-46.85	-61.24	-61.87	1.73	5.90	V
	2504	-57.01	-13	-44.01	-62.5	-59.55	2.11	6.80	V
	3337	-59.77	-13	-46.77	-65.06	-62.55	2.47	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	-58.65	-13	-45.65	-58.88	-60.67	1.73	5.90	H
	2496	-59.47	-13	-46.47	-63.60	-62.01	2.11	6.80	H
	3328	-60.17	-13	-47.17	-65.25	-62.95	2.47	7.40	H
	1664	-59.13	-13	-46.13	-60.61	-61.15	1.73	5.90	V
	2496	-56.54	-13	-43.54	-62.03	-59.08	2.11	6.80	V
	3328	-60.29	-13	-47.29	-65.58	-63.07	2.47	7.40	V

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



LTE Band 12 / 1.4MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1414	-60.45	-13	-47.45	-60.92	-62.34	0.84	4.88	H
	2122	-55.89	-13	-42.89	-60.07	-58.53	1.14	5.93	H
	2828	-59.22	-13	-46.22	-63.95	-62.40	1.33	6.66	H
	1414	-60.70	-13	-47.70	-61.39	-62.59	0.84	4.88	V
	2122	-54.49	-13	-41.49	-59.59	-57.13	1.14	5.93	V
	2828	-56.66	-13	-43.66	-63.7	-59.84	1.33	6.66	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	-61.91	-13	-48.91	-62.38	-63.80	0.84	4.88	H
	2120	-55.18	-13	-42.18	-59.57	-57.82	1.14	5.93	H
	2824	-58.76	-13	-45.76	-63.49	-61.94	1.33	6.66	H
	1412	-59.70	-13	-46.70	-60.63	-61.59	0.84	4.88	V
	2120	-54.01	-13	-41.01	-59.11	-56.65	1.14	5.93	V
	2824	-56.72	-13	-43.72	-63.76	-59.90	1.33	6.66	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	1412	-60.27	-13	-47.27	-60.74	-62.16	0.84	4.88	H
	2116	-53.86	-13	-40.86	-58.37	-56.50	1.14	5.93	H
	2822	-59.02	-13	-46.02	-63.75	-62.20	1.33	6.66	H
	1412	-58.51	-13	-45.51	-59.66	-60.40	0.84	4.88	V
	2116	-53.67	-13	-40.67	-58.78	-56.31	1.14	5.93	V
	2822	-56.32	-13	-43.32	-63.36	-59.50	1.33	6.66	V

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

LTE Band 12 / 10MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1406	-59.70	-13	-46.70	-60.17	-61.59	0.84	4.88	H
	2110	-54.51	-13	-41.51	-58.97	-57.15	1.14	5.93	H
	2812	-58.74	-13	-45.74	-63.47	-61.92	1.33	6.66	H
	1406	-58.89	-13	-45.89	-59.98	-60.78	0.84	4.88	V
	2110	-53.62	-13	-40.62	-58.74	-56.26	1.14	5.93	V
	2812	-56.47	-13	-43.47	-63.51	-59.65	1.33	6.66	V

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