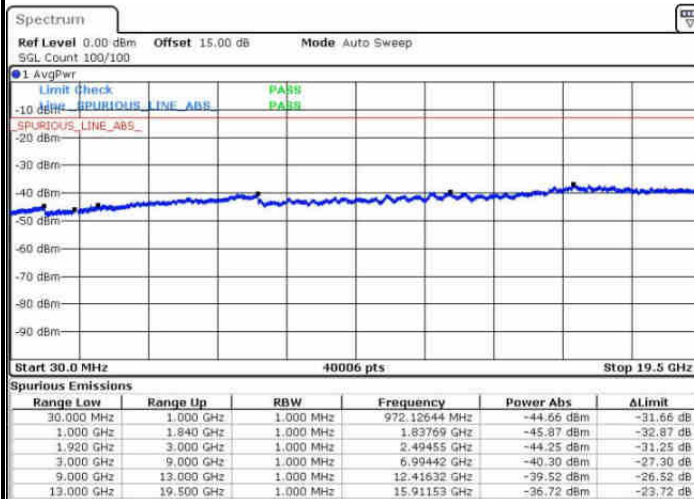
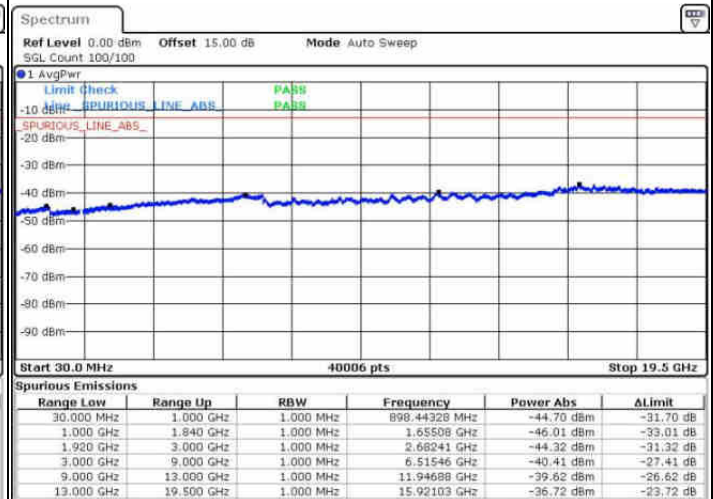
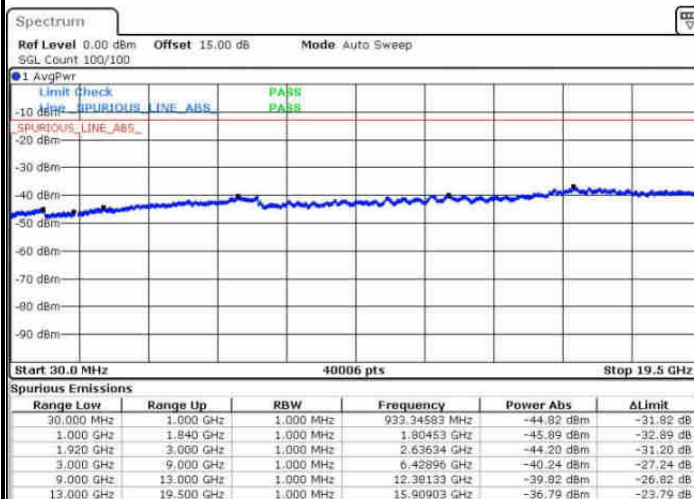


**Conducted Spurious Emission****LTE Band 2 / 1.4MHz****Lowest Channel / QPSK**

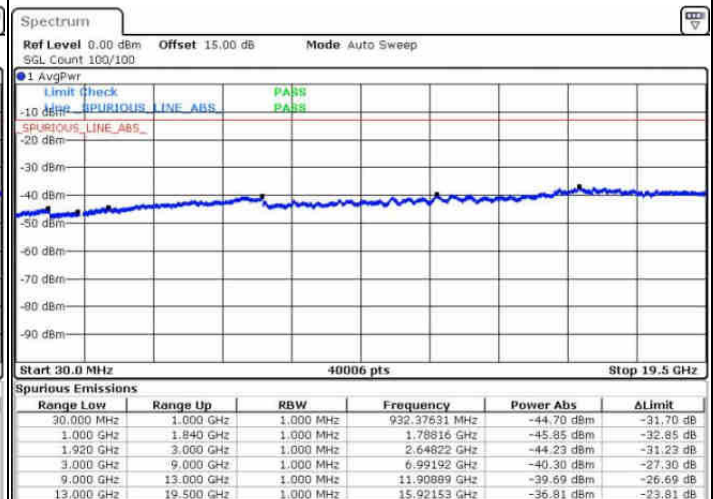
Date: 4 FEB 2016 13:57:57

Lowest Channel / 16QAM

Date: 4 FEB 2016 13:58:53

Middle Channel / QPSK

Date: 4 FEB 2016 14:00:31

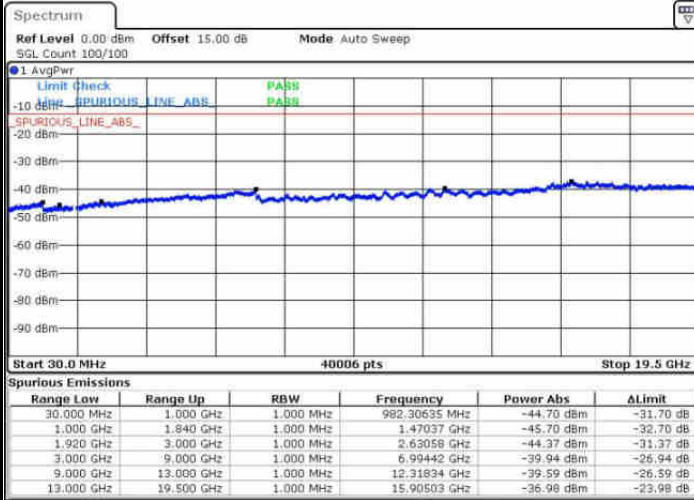
Middle Channel / 16QAM

Date: 4 FEB 2016 14:01:27



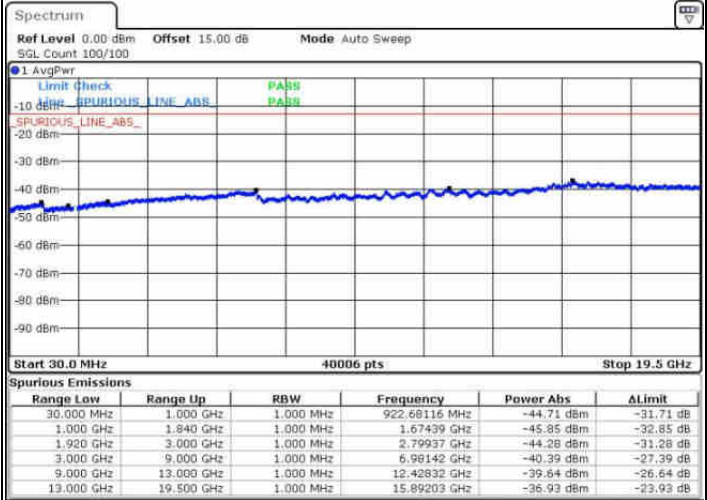
LTE Band 2 / 1.4MHz

Highest Channel / QPSK



Date: 4 FEB 2016 14:07:37

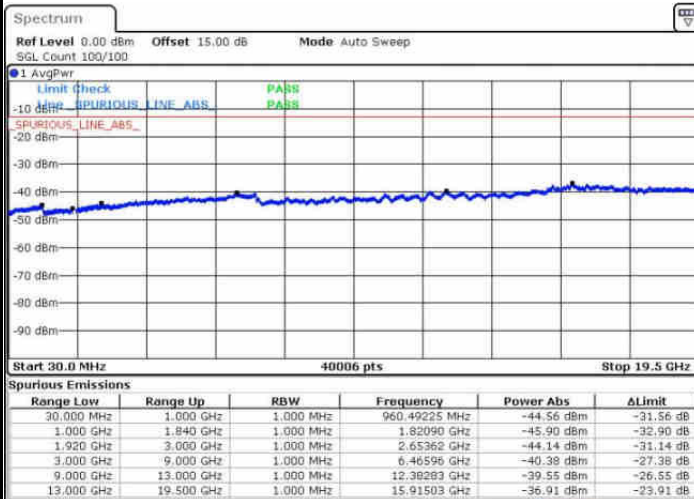
Highest Channel / 16QAM



Date: 4 FEB 2016 14:08:33

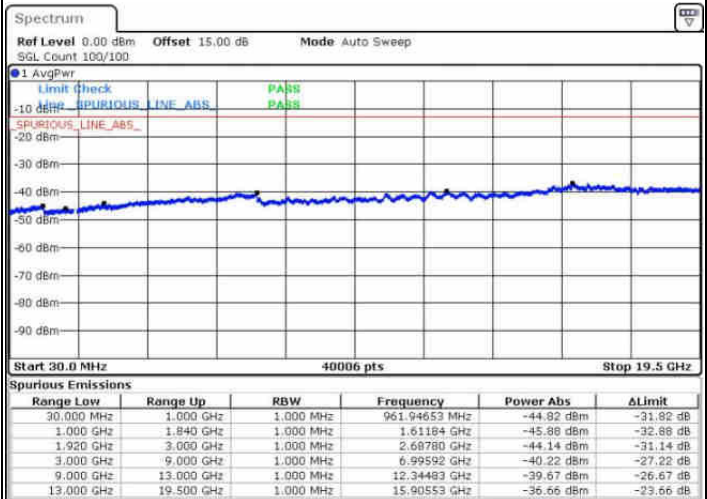
LTE Band 2 / 3MHz

Lowest Channel / QPSK



Date: 4 FEB 2016 14:14:43

Lowest Channel / 16QAM

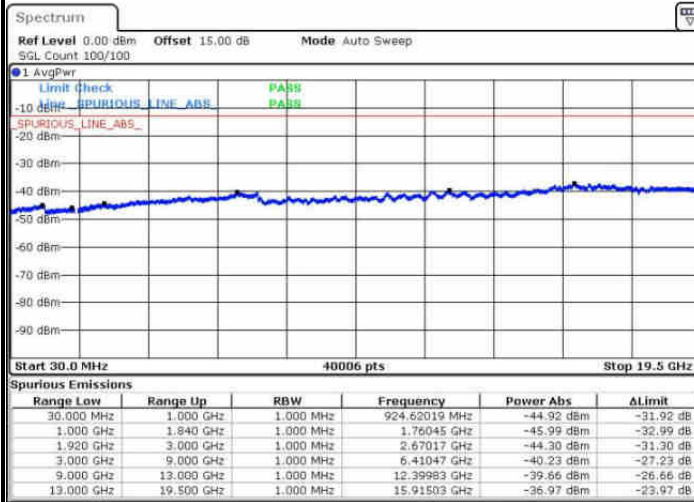


Date: 4 FEB 2016 14:15:38



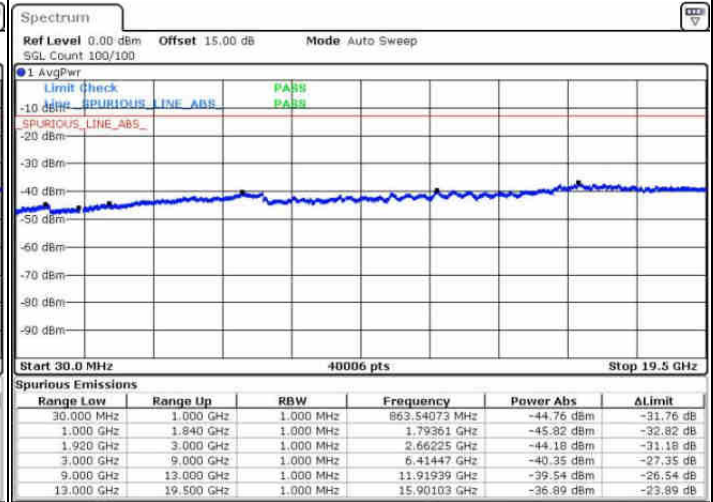
LTE Band 2 / 3MHz

Middle Channel / QPSK



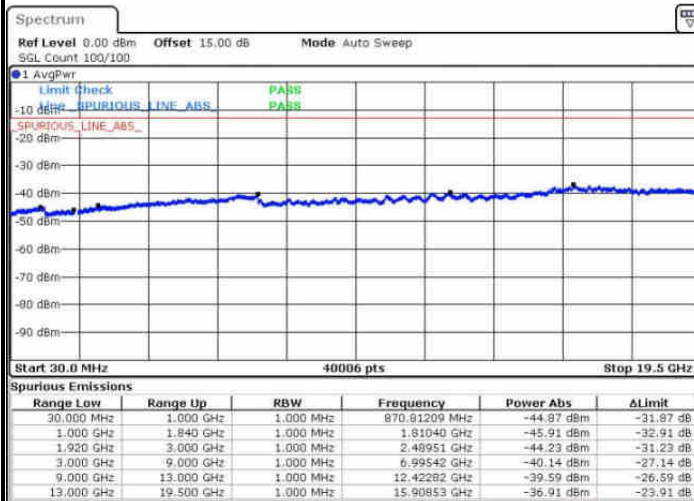
Date: 4 FEB 2016 14:17:16

Middle Channel / 16QAM



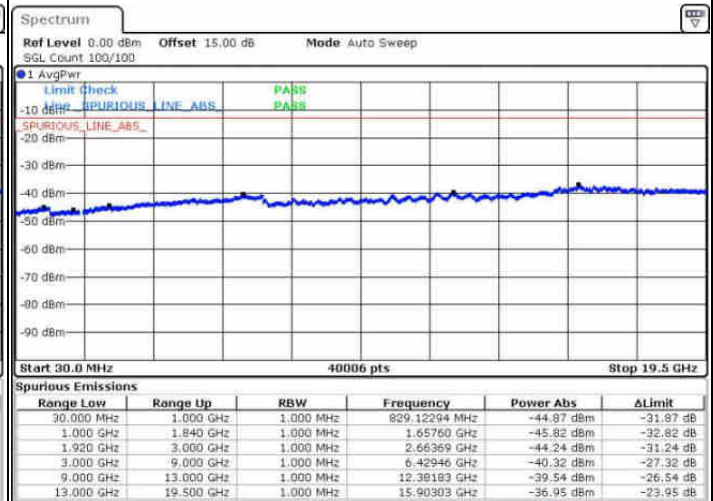
Date: 4 FEB 2016 14:18:12

Highest Channel / QPSK



Date: 4 FEB 2016 14:24:22

Highest Channel / 16QAM

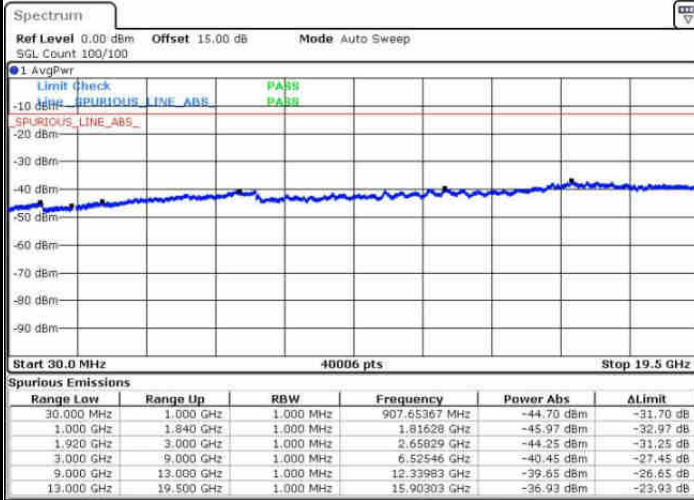


Date: 4 FEB 2016 14:25:18



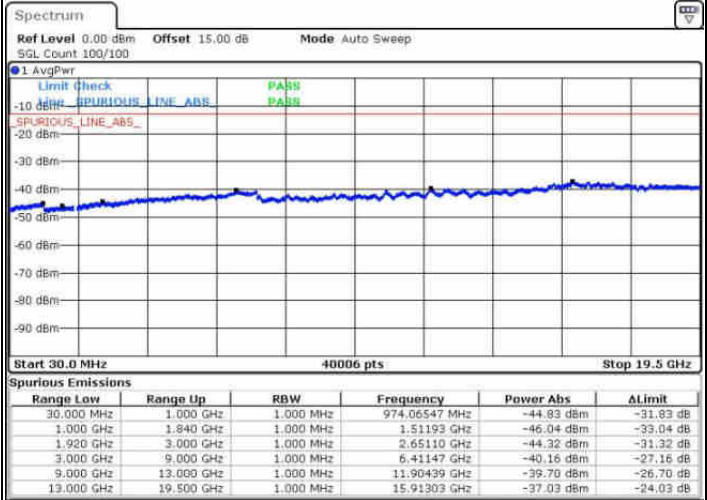
LTE Band 2 / 5MHz

Lowest Channel / QPSK



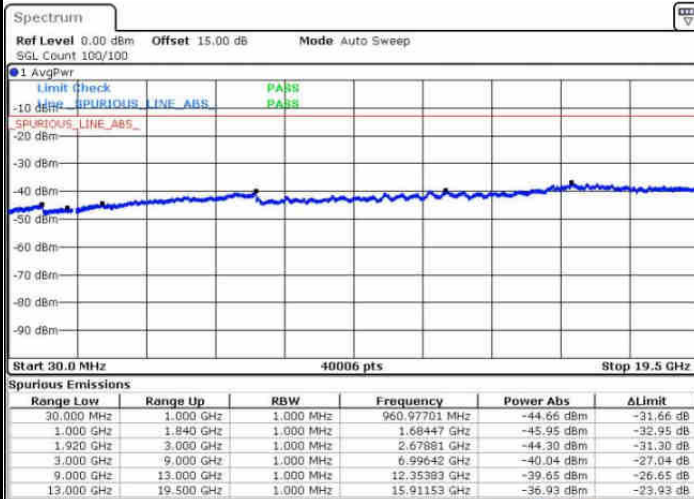
Date: 4 FEB 2016 14:31:28

Lowest Channel / 16QAM



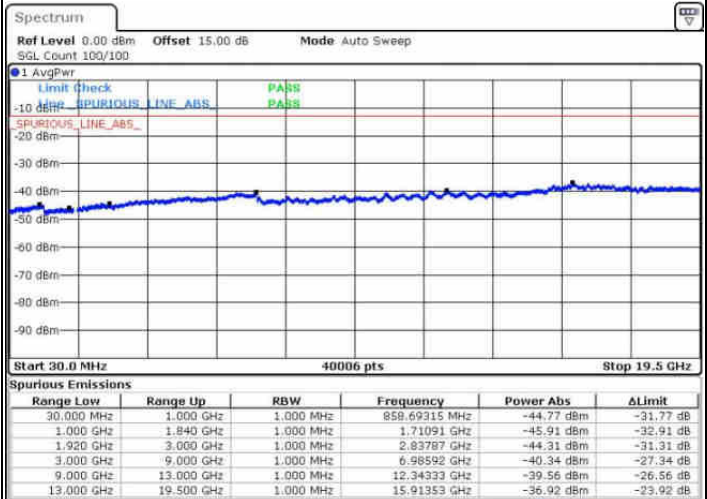
Date: 4 FEB 2016 14:32:24

Middle Channel / QPSK



Date: 4 FEB 2016 14:34:01

Middle Channel / 16QAM

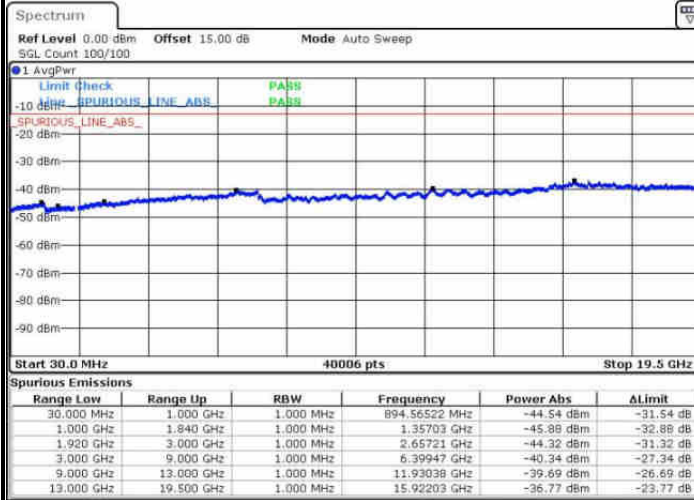


Date: 4 FEB 2016 14:34:57



LTE Band 2 / 5MHz

Highest Channel / QPSK



Date: 4 FEB 2016 14:41:08

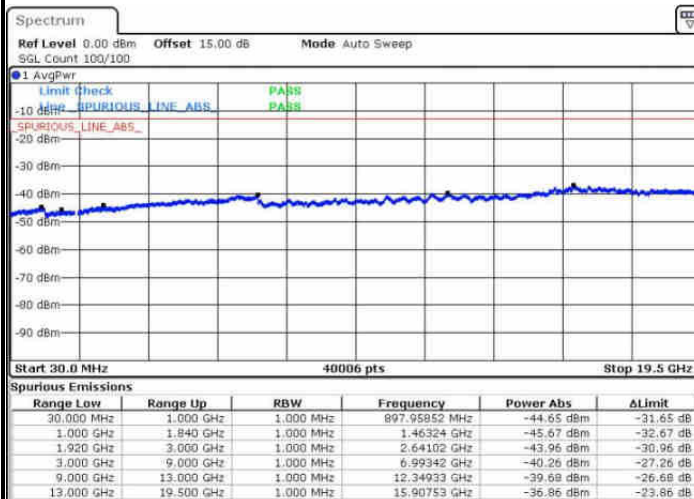
Highest Channel / 16QAM



Date: 4 FEB 2016 14:42:04

LTE Band 2 / 10MHz

Lowest Channel / QPSK



Date: 4 FEB 2016 14:54:32

Lowest Channel / 16QAM

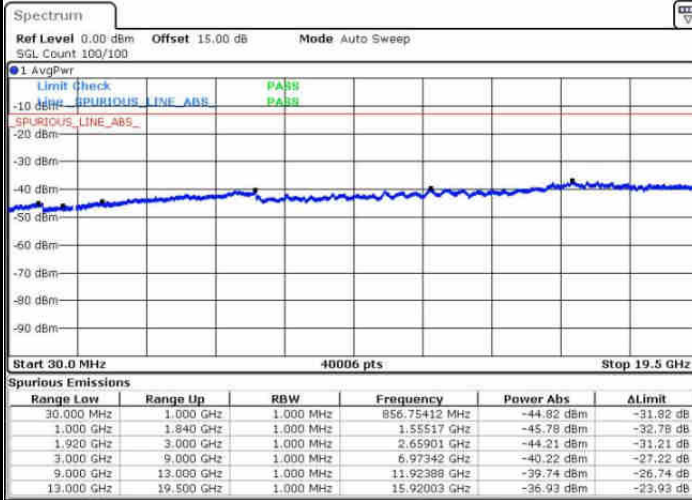


Date: 4 FEB 2016 14:55:27



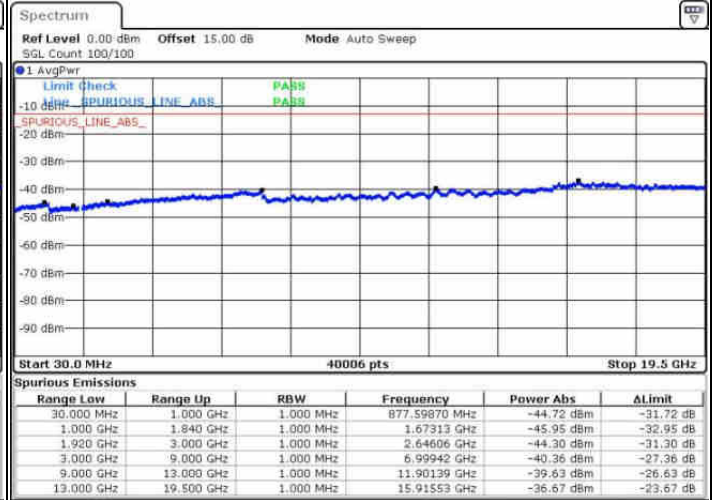
LTE Band 2 / 10MHz

Middle Channel / QPSK



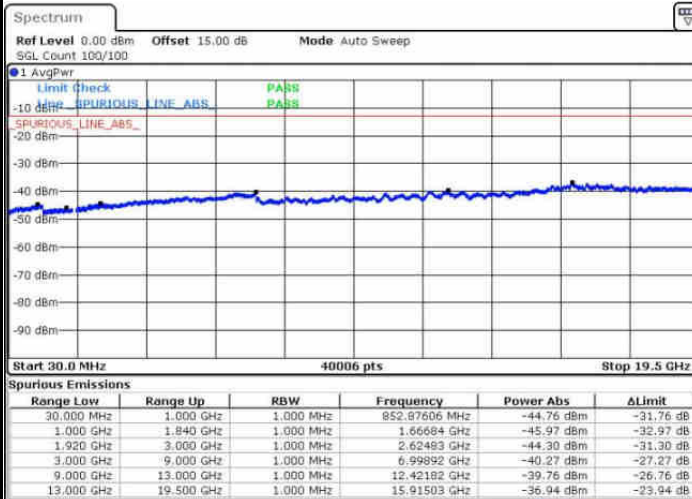
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Middle Channel / 16QAM



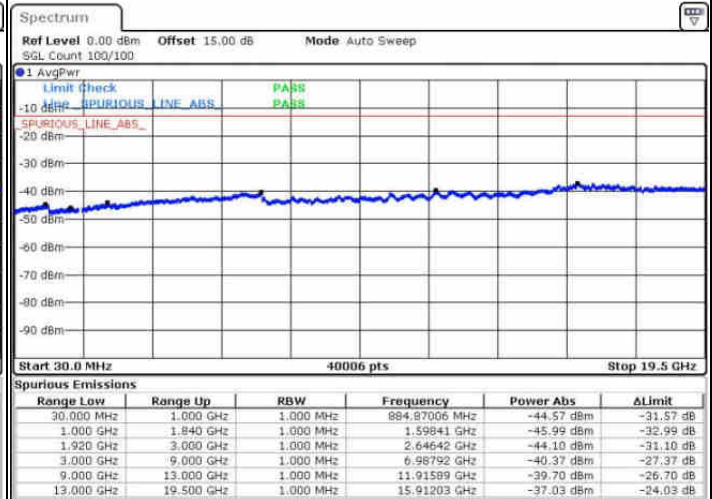
Date: 4 FEB 2016 14:58:02

Highest Channel / QPSK



Date: 4 FEB 2016 15:04:12

Highest Channel / 16QAM

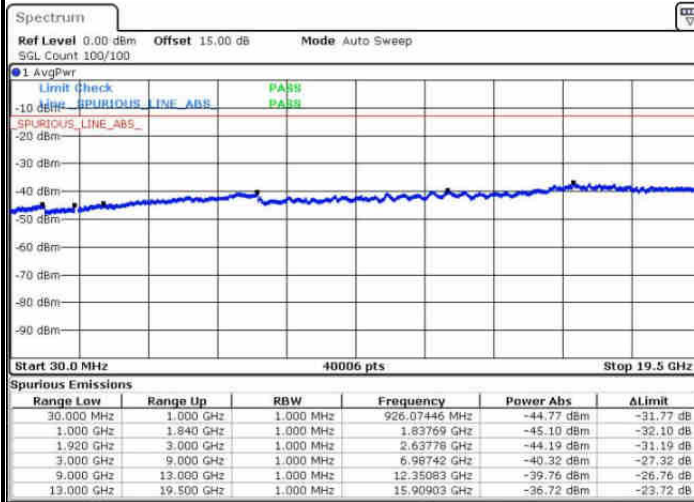


Date: 4 FEB 2016 15:05:07



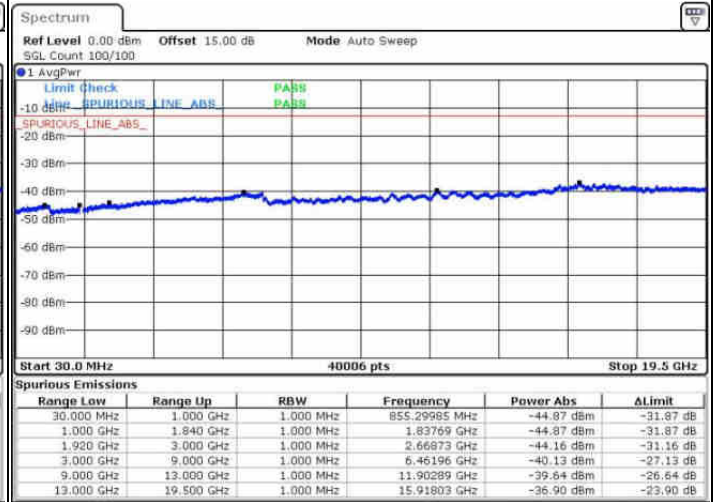
LTE Band 2 / 15MHz

Lowest Channel / QPSK



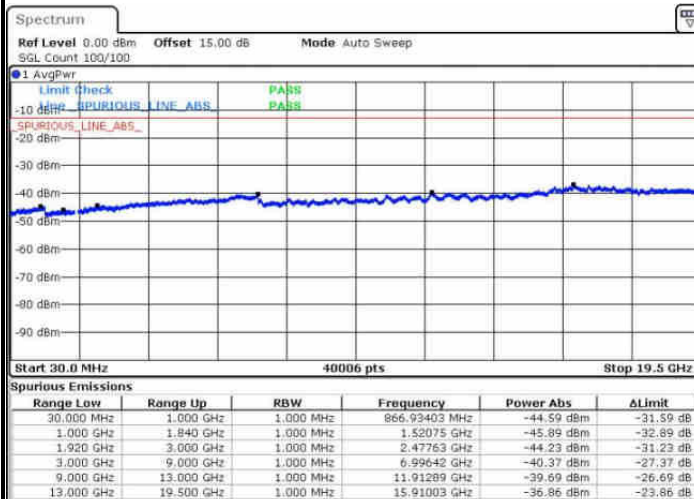
Date: 4 FEB 2016 15:11:19

Lowest Channel / 16QAM



Date: 4 FEB 2016 15:12:14

Middle Channel / QPSK



Date: 4 FEB 2016 15:13:54

Middle Channel / 16QAM

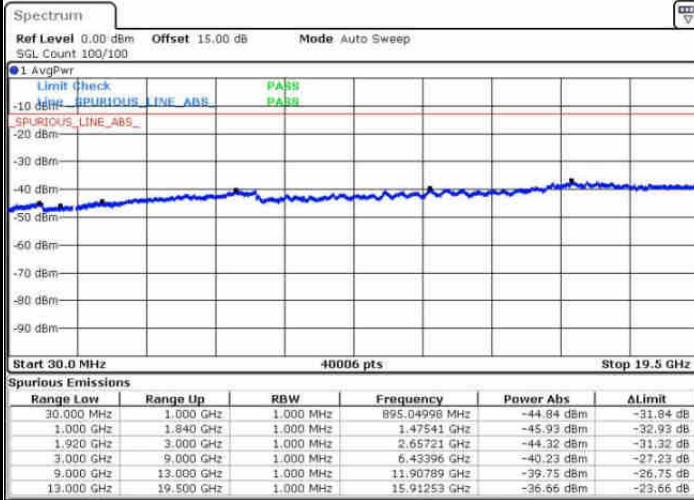


Date: 4 FEB 2016 15:14:50



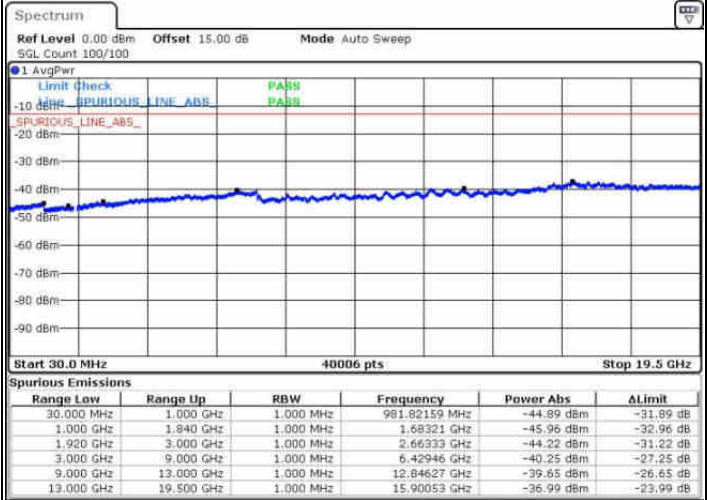
LTE Band 2 / 15MHz

Highest Channel / QPSK



Date: 4 FEB 2016 15:21:01

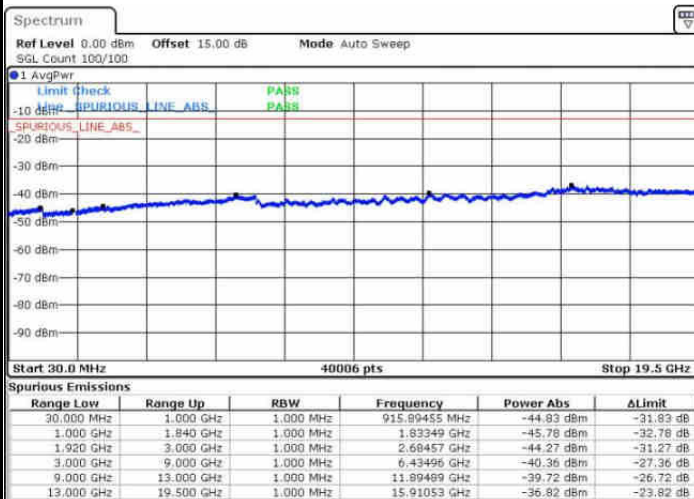
Highest Channel / 16QAM



Date: 4 FEB 2016 15:21:56

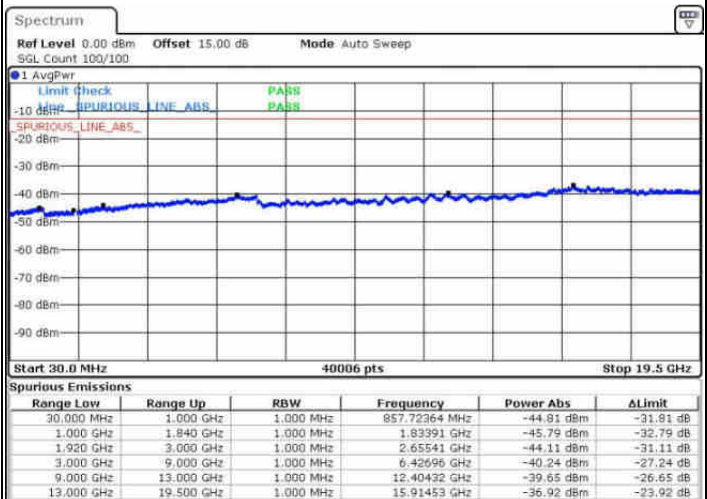
LTE Band 2 / 20MHz

Lowest Channel / QPSK



Date: 4 FEB 2016 15:28:07

Lowest Channel / 16QAM

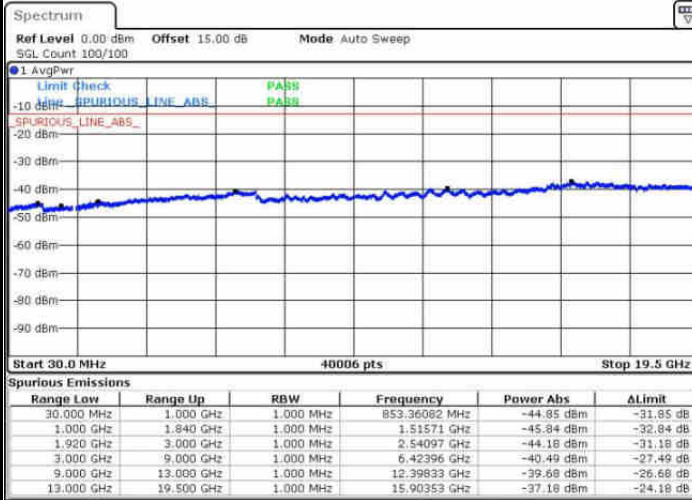


Date: 4 FEB 2016 15:29:02



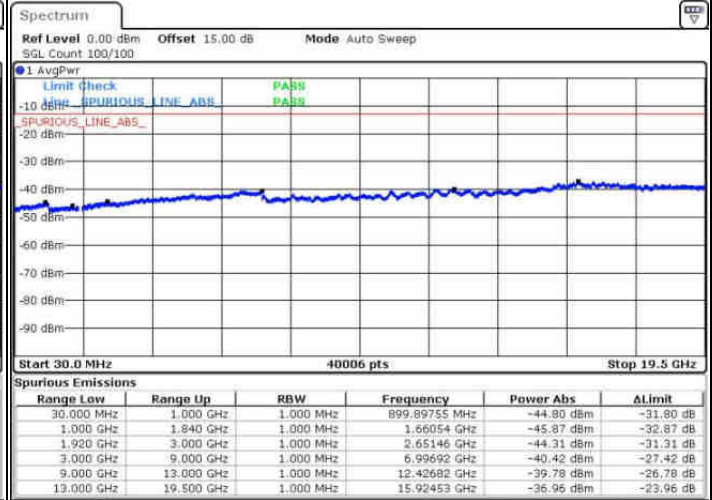
LTE Band 2 / 20MHz

Middle Channel / QPSK



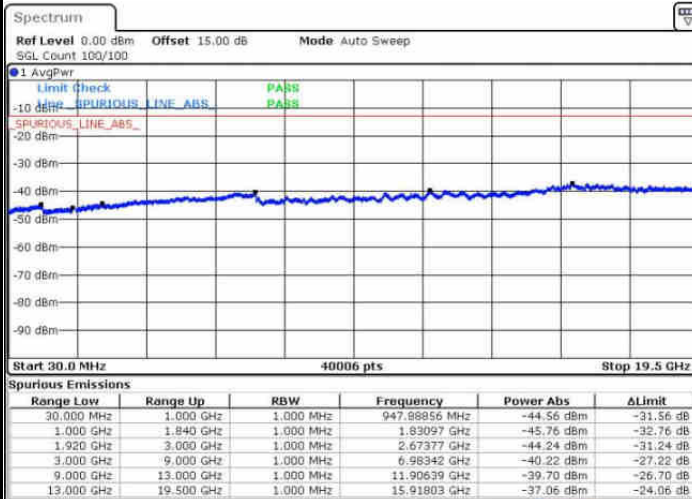
Date: 4 FEB 2016 15:30:41

Middle Channel / 16QAM



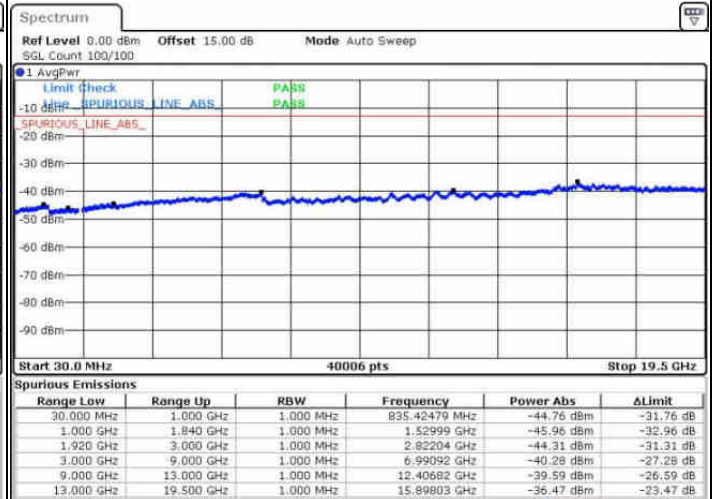
Date: 4 FEB 2016 15:31:37

Highest Channel / QPSK



Date: 4 FEB 2016 15:37:48

Highest Channel / 16QAM

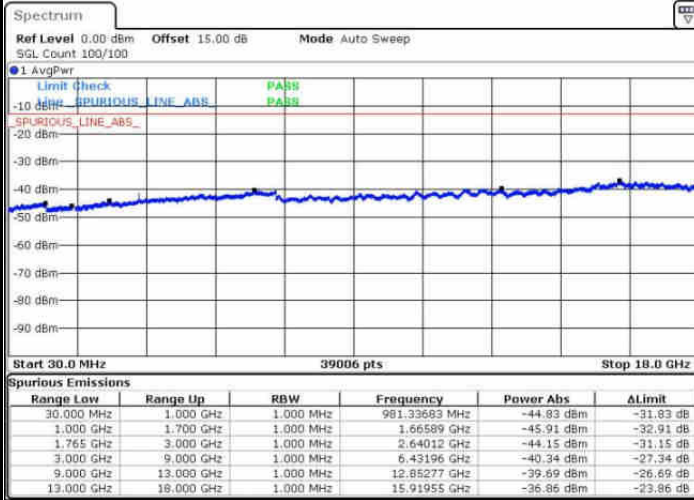


Date: 4 FEB 2016 15:38:43



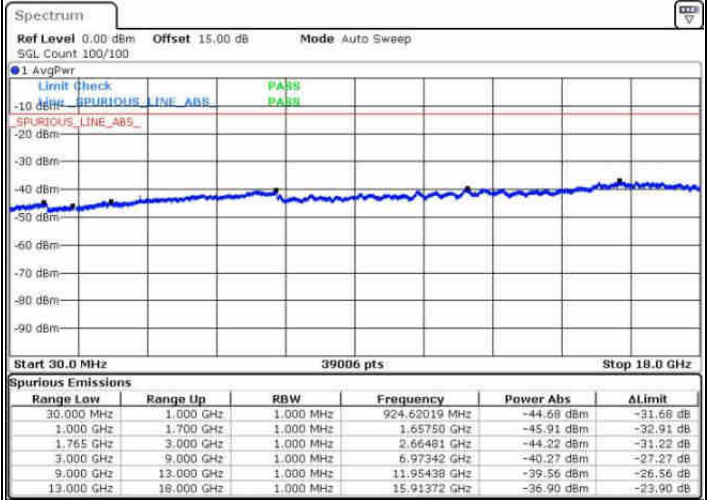
LTE Band 4 / 1.4MHz

Lowest Channel / QPSK



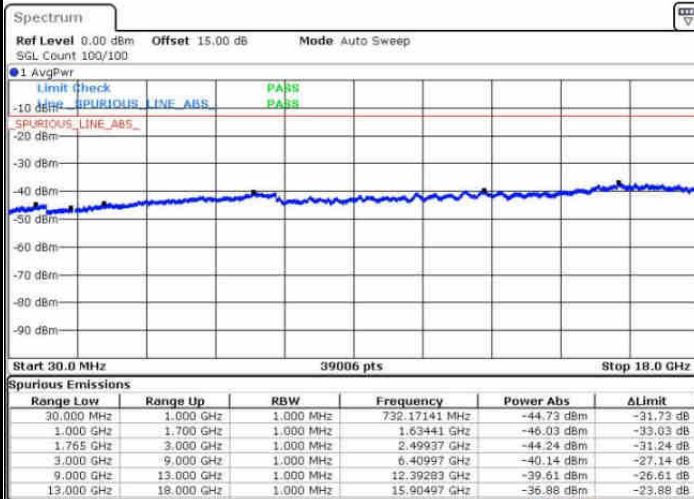
Date: 4 FEB 2016 10:00:33

Lowest Channel / 16QAM



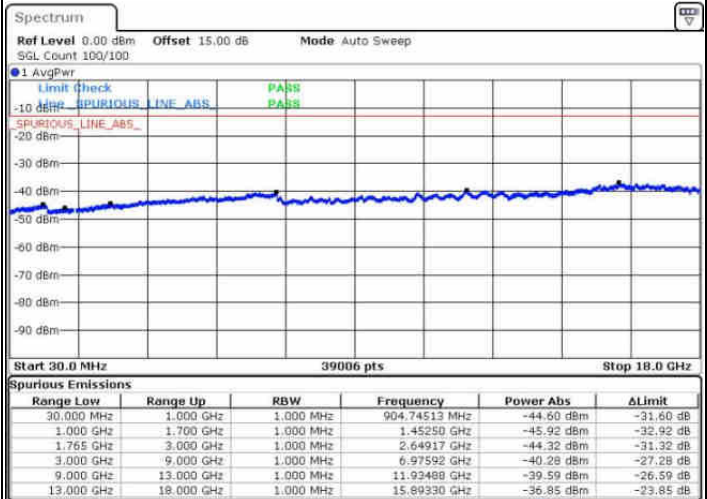
Date: 4 FEB 2016 10:01:29

Middle Channel / QPSK



Date: 4 FEB 2016 10:03:07

Middle Channel / 16QAM

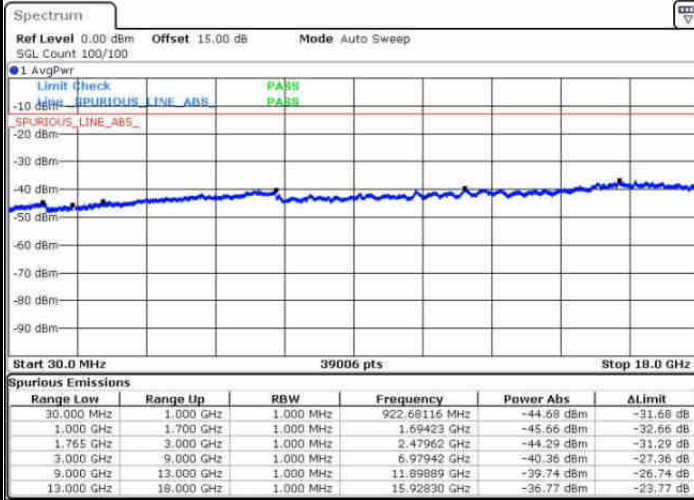


Date: 4 FEB 2016 10:04:03



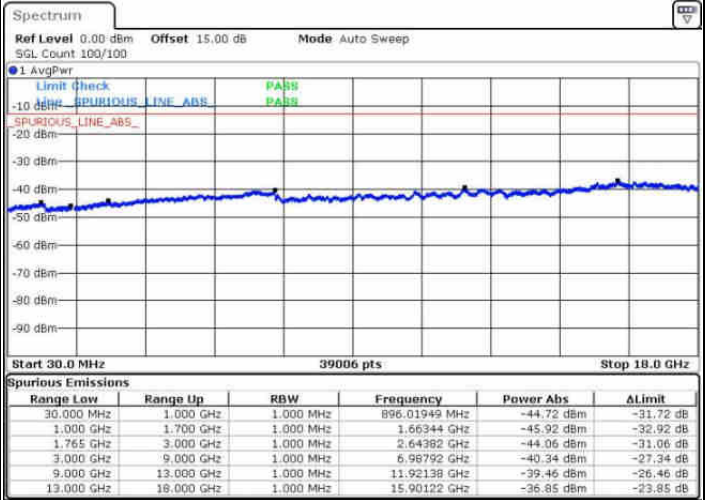
LTE Band 4 / 1.4MHz

Highest Channel / QPSK



Date: 4 FEB 2016 10:10:13

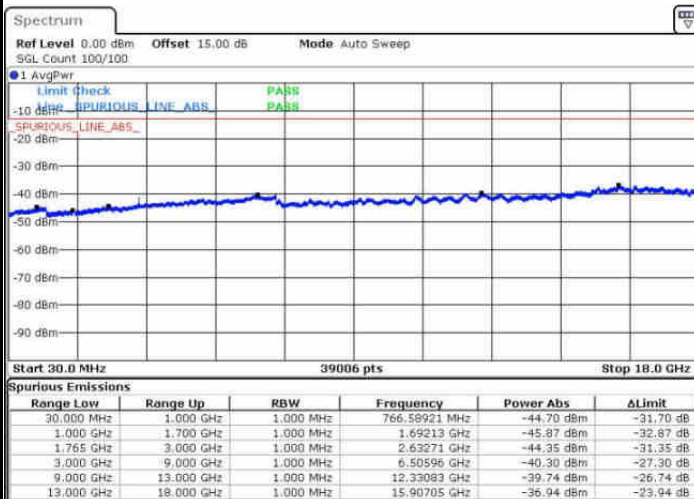
Highest Channel / 16QAM



Date: 4 FEB 2016 10:11:08

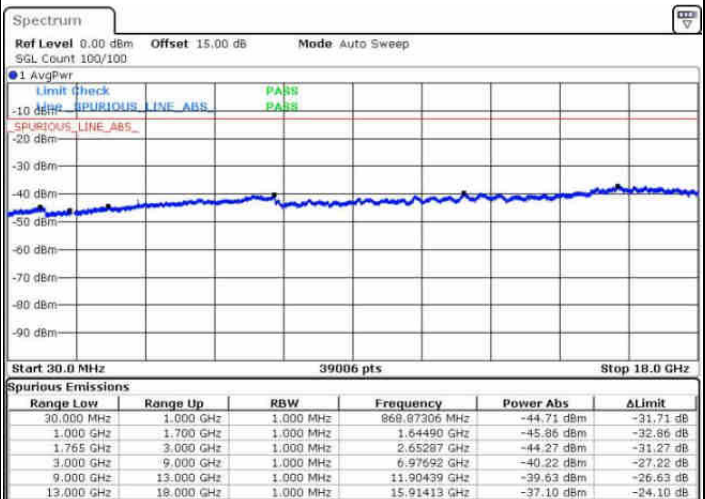
LTE Band 4 / 3MHz

Lowest Channel / QPSK



Date: 4 FEB 2016 10:17:19

Lowest Channel / 16QAM

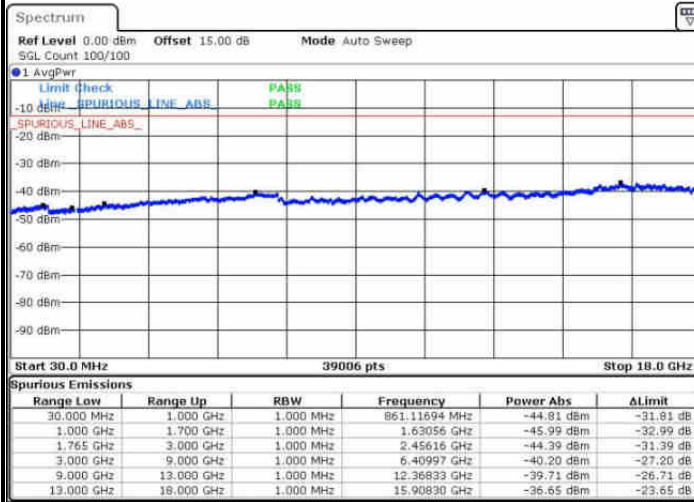


Date: 4 FEB 2016 10:18:14



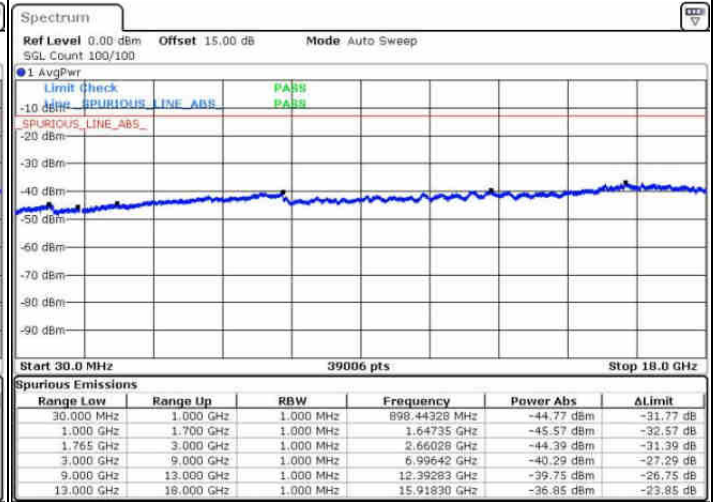
LTE Band 4 / 3MHz

Middle Channel / QPSK



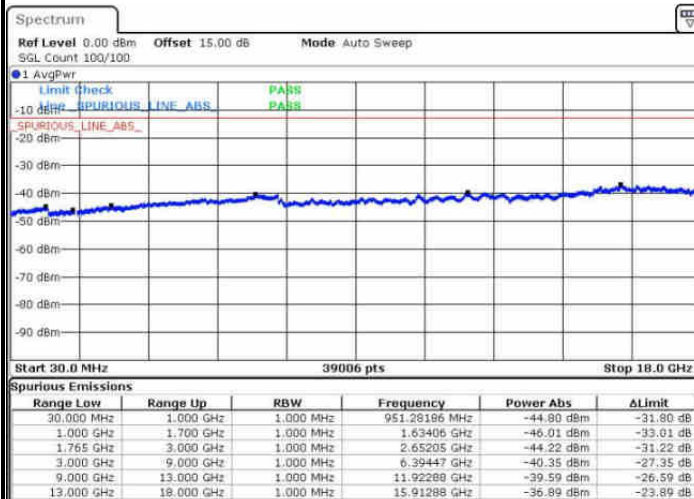
Date: 4 FEB 2016 10:19:52

Middle Channel / 16QAM



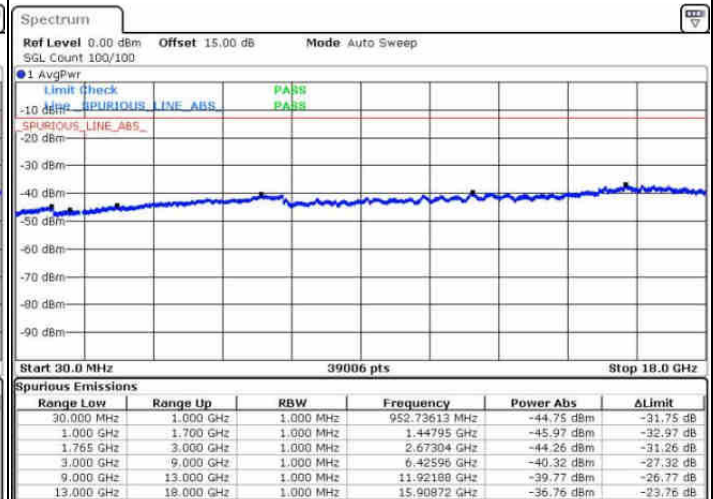
Date: 4 FEB 2016 10:20:48

Highest Channel / QPSK



Date: 4 FEB 2016 10:26:58

Highest Channel / 16QAM

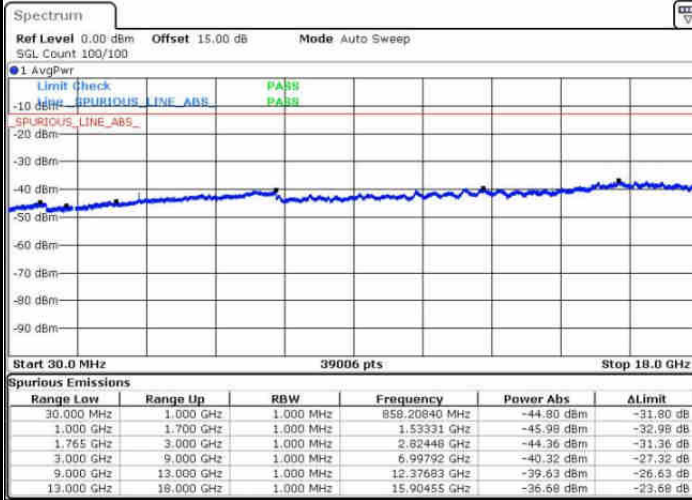


Date: 4 FEB 2016 10:27:53



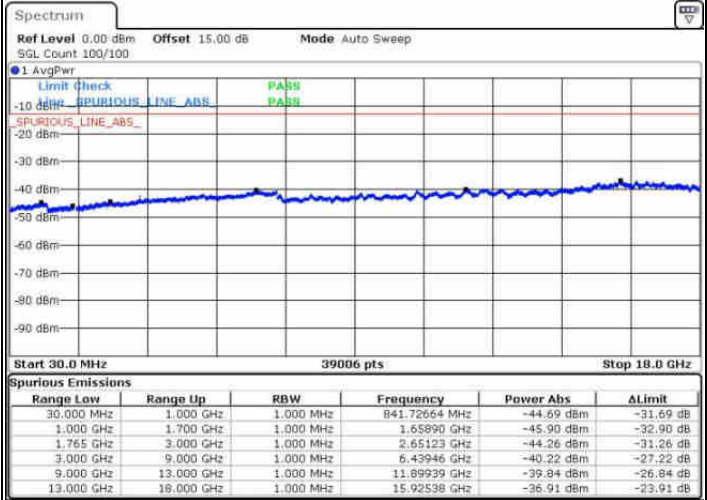
LTE Band 4 / 5MHz

Lowest Channel / QPSK



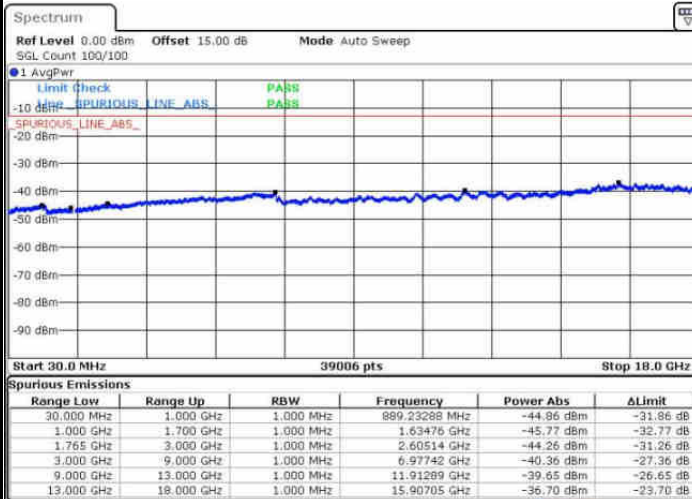
Date: 4 FEB 2016 10:34:04

Lowest Channel / 16QAM



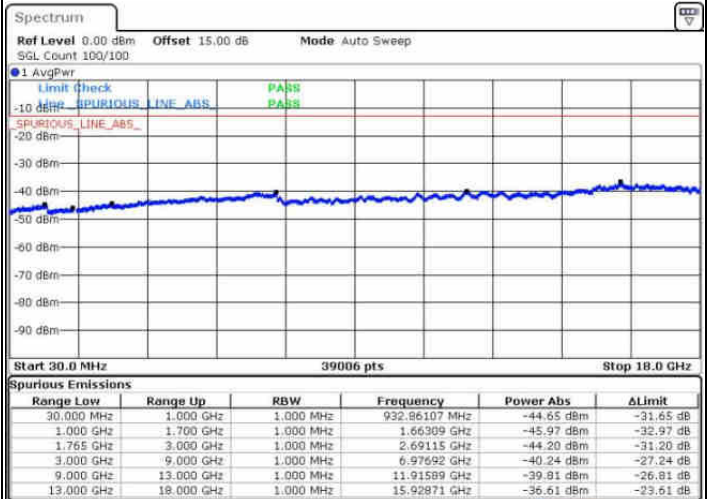
Date: 4 FEB 2016 10:34:59

Middle Channel / QPSK



Date: 4 FEB 2016 10:36:37

Middle Channel / 16QAM

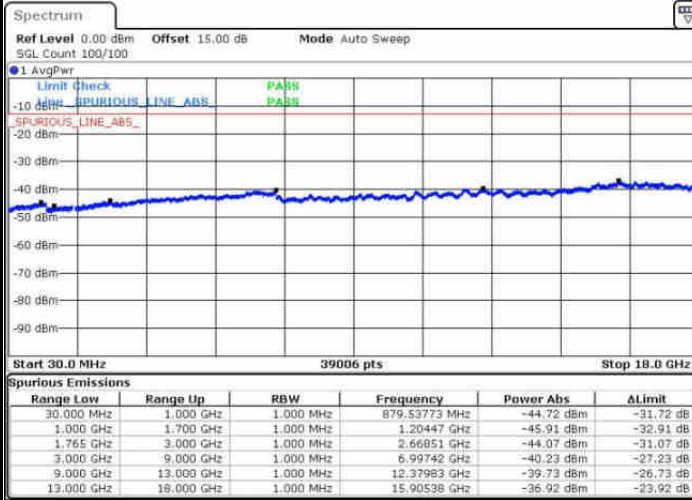


Date: 4 FEB 2016 10:37:33



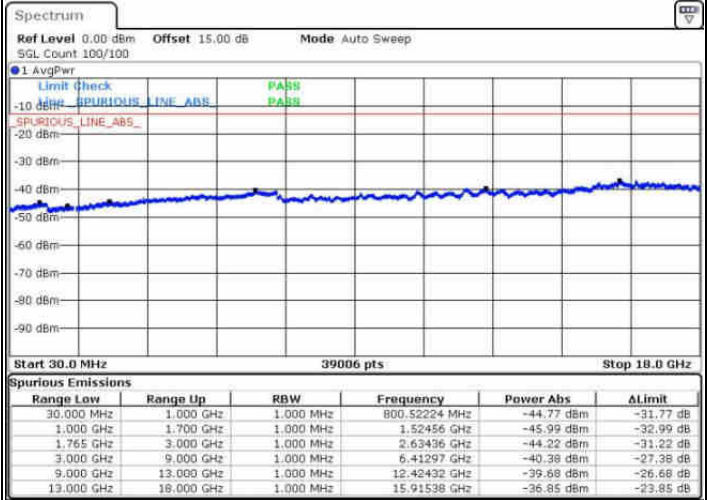
LTE Band 4 / 5MHz

Highest Channel / QPSK



Date: 4 FEB 2016 10:43:43

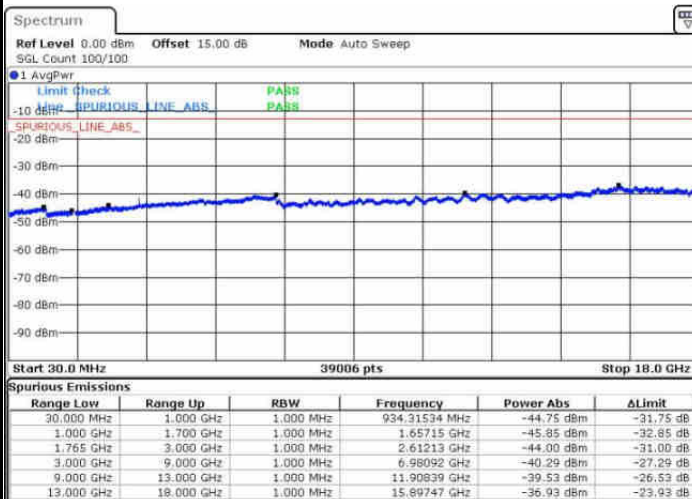
Highest Channel / 16QAM



Date: 4 FEB 2016 10:44:39

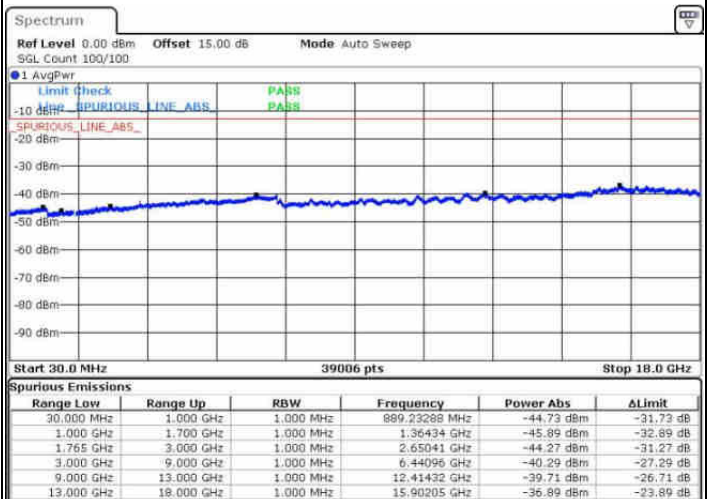
LTE Band 4 / 10MHz

Lowest Channel / QPSK



Date: 4 FEB 2016 10:50:49

Lowest Channel / 16QAM

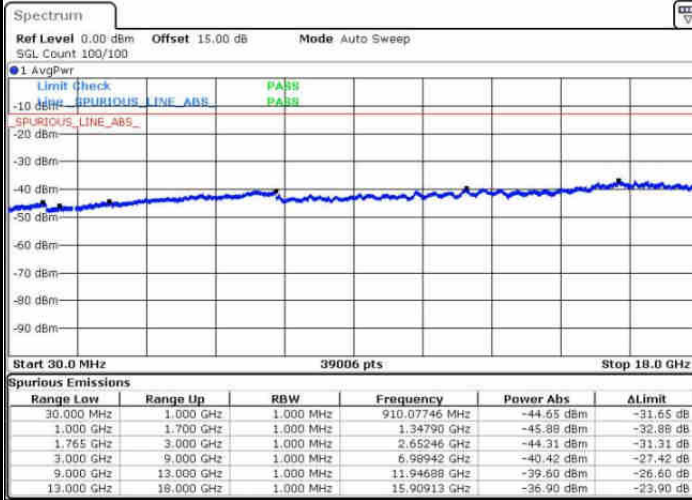


Date: 4 FEB 2016 10:51:44



LTE Band 4 / 10MHz

Middle Channel / QPSK



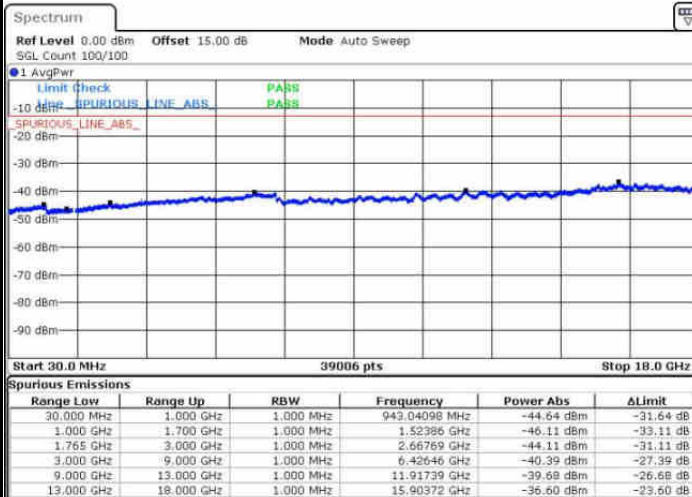
Date: 4 FEB 2016 10:53:22

Middle Channel / 16QAM



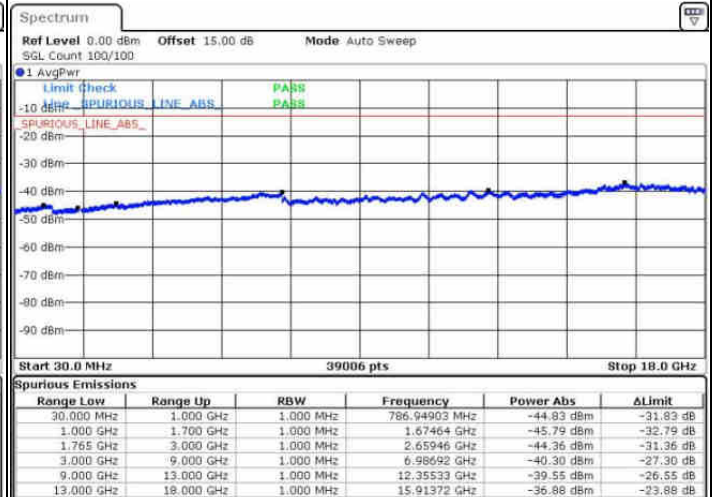
Date: 4 FEB 2016 10:54:18

Highest Channel / QPSK



Date: 4 FEB 2016 11:00:28

Highest Channel / 16QAM

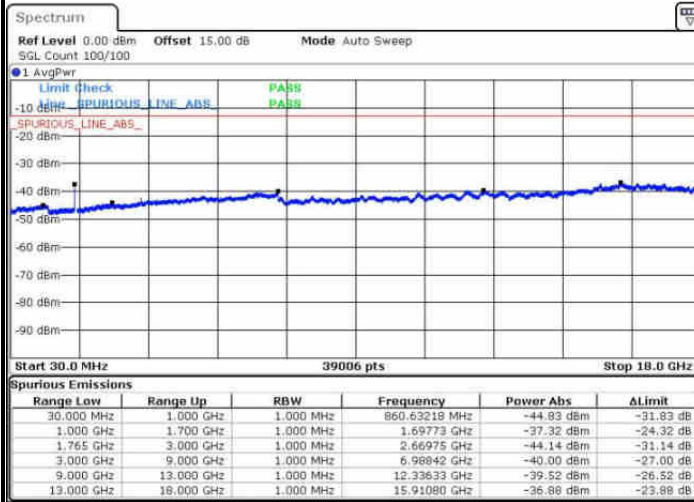


Date: 4 FEB 2016 11:01:23



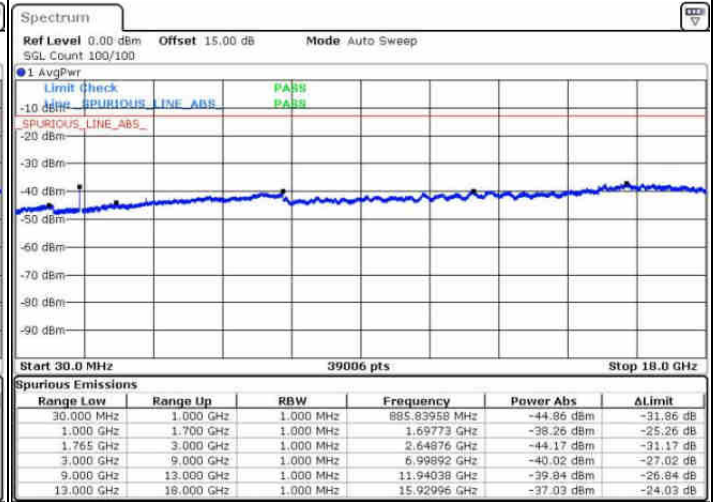
LTE Band 4 / 15MHz

Lowest Channel / QPSK



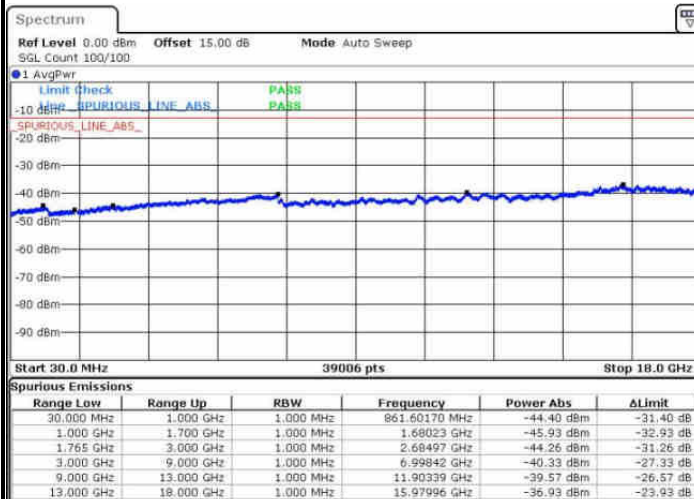
Date: 4 FEB 2016 11:07:34

Lowest Channel / 16QAM



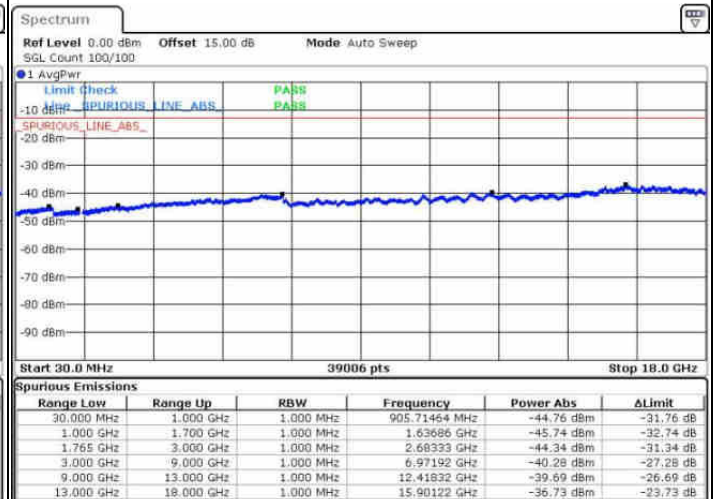
Date: 4 FEB 2016 11:08:29

Middle Channel / QPSK



Date: 4 FEB 2016 11:10:07

Middle Channel / 16QAM

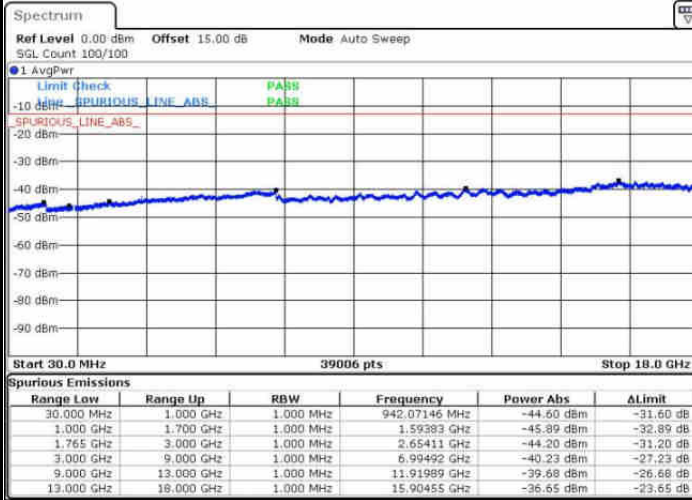


Date: 4 FEB 2016 11:11:02



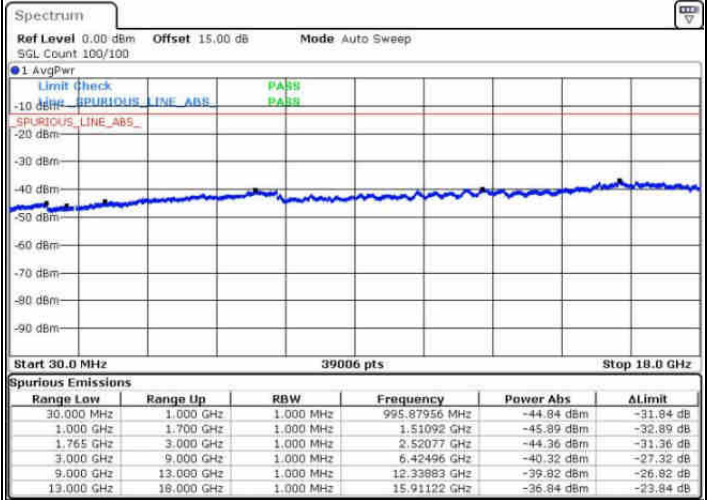
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 4 FEB 2016 11:17:13

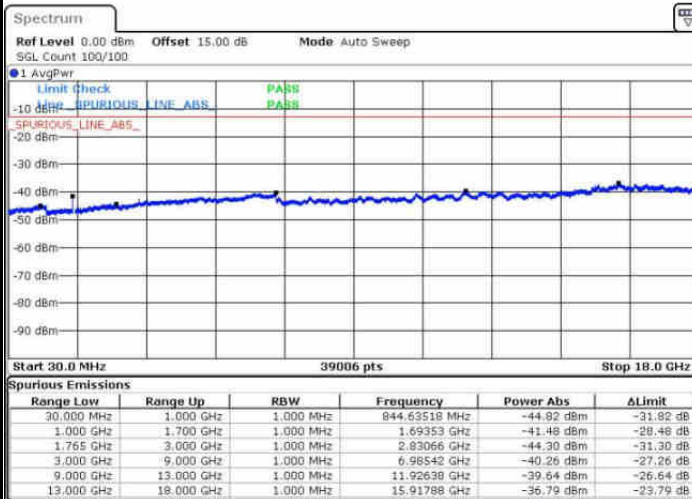
Highest Channel / 16QAM



Date: 4 FEB 2016 11:18:08

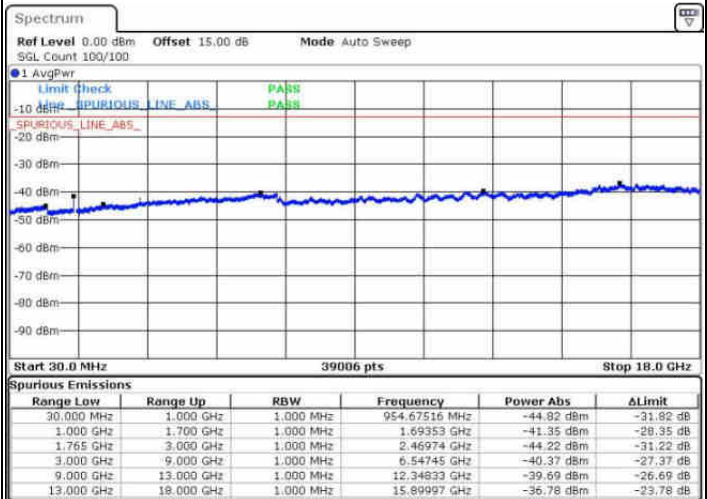
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 4 FEB 2016 11:24:18

Lowest Channel / 16QAM

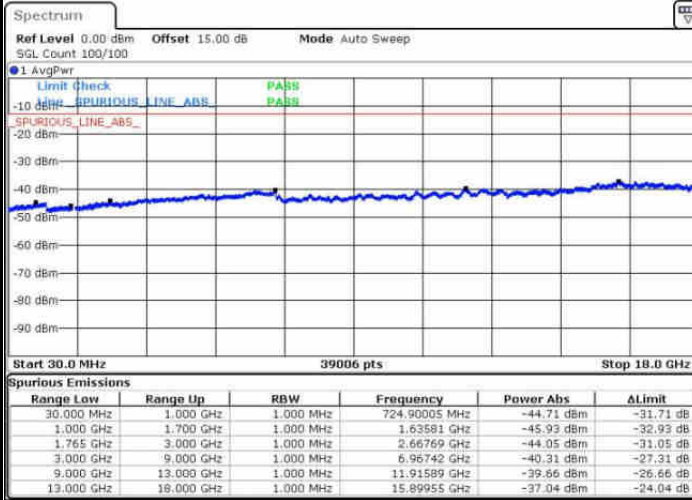


Date: 4 FEB 2016 11:25:14



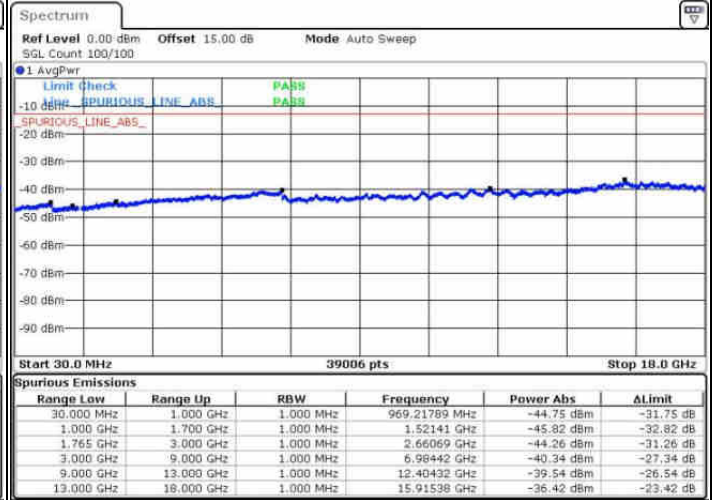
LTE Band 4 / 20MHz

Middle Channel / QPSK



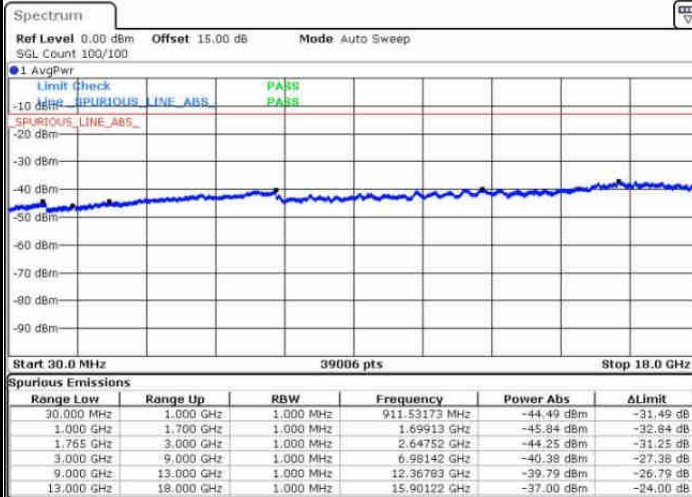
Date: 4 FEB 2016 11:26:52

Middle Channel / 16QAM



Date: 4 FEB 2016 11:27:47

Highest Channel / QPSK



Date: 4 FEB 2016 11:33:58

Highest Channel / 16QAM

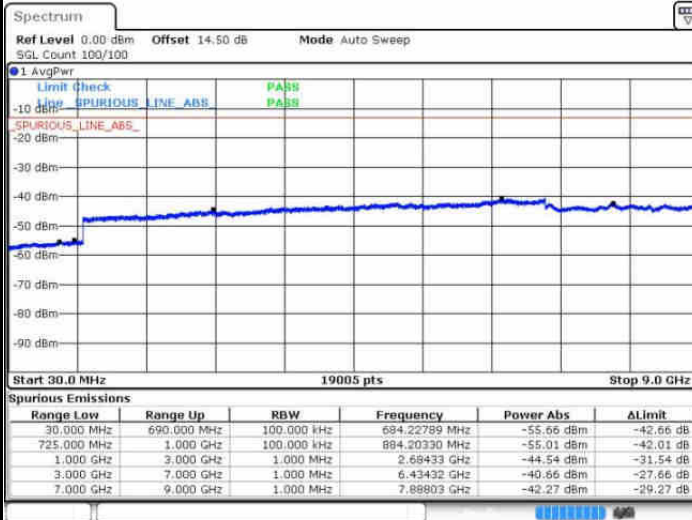


Date: 4 FEB 2016 11:34:53



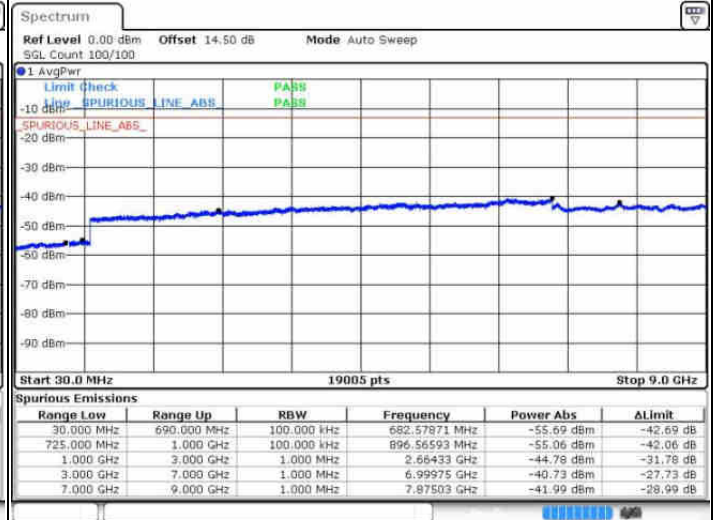
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



Date: 4 FEB 2016 17:48:10

Lowest Channel / 16QAM



Date: 4 FEB 2016 17:48:06

Middle Channel / QPSK



Date: 4 FEB 2016 17:50:43

Middle Channel / 16QAM



Date: 4 FEB 2016 17:51:38



LTE Band 12 / 1.4MHz

Highest Channel / QPSK



Date: 4 FEB 2016 18:01:20

Highest Channel / 16QAM



Date: 4 FEB 2016 18:02:15

LTE Band 12 / 3MHz

Lowest Channel / QPSK



Date: 4 FEB 2016 18:11:57

Lowest Channel / 16QAM



Date: 4 FEB 2016 18:12:52



LTE Band 12 / 3MHz

Middle Channel / QPSK



Date: 4 FEB 2016 18:14:30

Middle Channel / 16QAM



Date: 4 FEB 2016 18:15:25

Highest Channel / QPSK



Date: 4 FEB 2016 18:25:07

Highest Channel / 16QAM



Date: 4 FEB 2016 18:26:02



LTE Band 12 / 5MHz

Lowest Channel / QPSK



Date: 4 FEB 2016 18:35:44

Lowest Channel / 16QAM



Date: 4 FEB 2016 18:36:39

Middle Channel / QPSK



Date: 4 FEB 2016 18:38:17

Middle Channel / 16QAM



Date: 4 FEB 2016 18:39:12



LTE Band 12 / 5MHz

Highest Channel / QPSK



Date: 4 FEB 2016 18:48:54

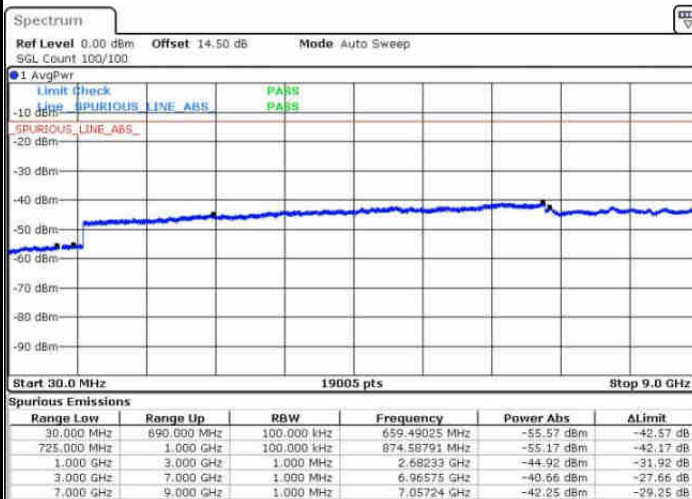
Highest Channel / 16QAM



Date: 4 FEB 2016 18:48:50

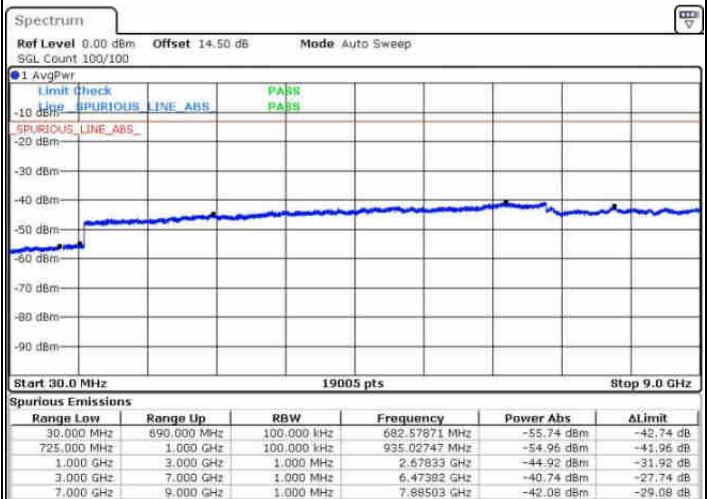
LTE Band 12 / 10MHz

Lowest Channel / QPSK



Date: 4 FEB 2016 18:59:31

Lowest Channel / 16QAM

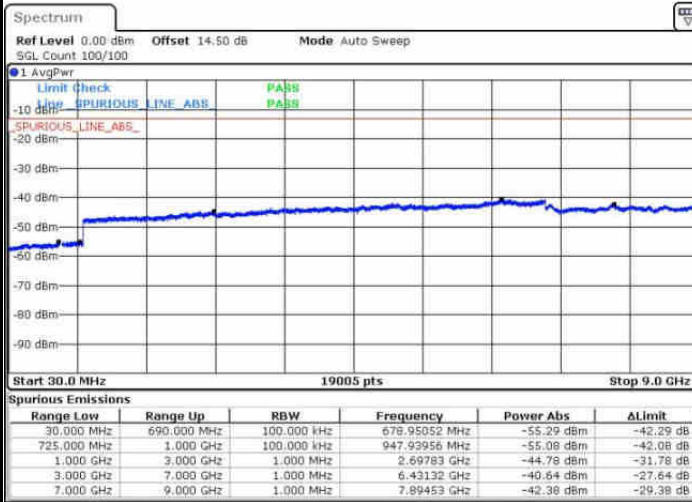


Date: 4 FEB 2016 19:00:27



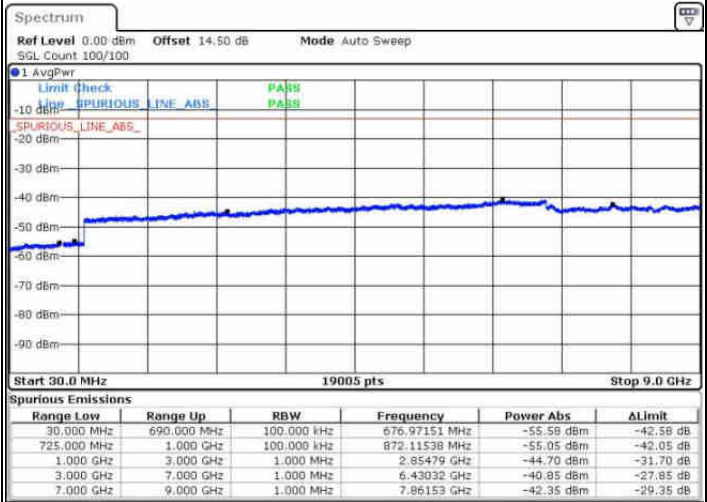
LTE Band 12 / 10MHz

Middle Channel / QPSK



Date: 4 FEB 2016 19:02:04

Middle Channel / 16QAM



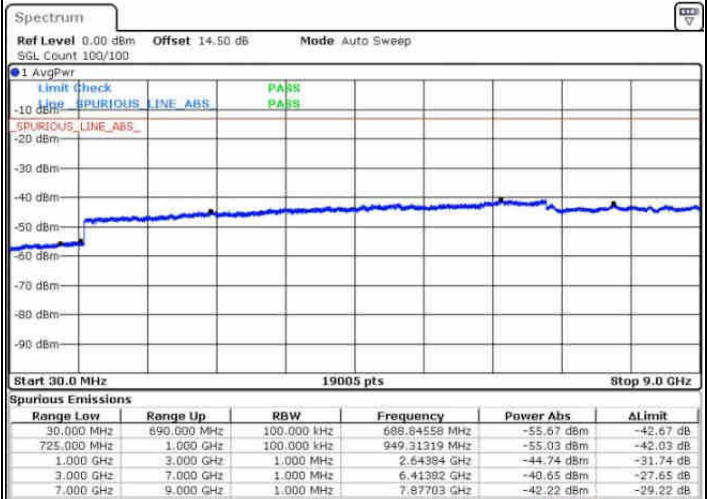
Date: 4 FEB 2016 19:02:58

Highest Channel / QPSK



Date: 4 FEB 2016 19:12:41

Highest Channel / 16QAM



Date: 4 FEB 2016 19:13:36

**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	0.0059	PASS
40	Normal Voltage	0.0048	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0037	
-30	Normal Voltage	0.0090	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0016	

Note:

1. Normal Voltage = 3.9V. ; 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	0.0074	PASS
40	Normal Voltage	0.0027	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0043	
0	Normal Voltage	0.0032	
-10	Normal Voltage	0.0037	
-20	Normal Voltage	0.0064	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0043	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0027	

Note:

1. Normal Voltage = 3.9V. ; 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 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0071	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0184	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0170	
0	Normal Voltage	0.0042	
-10	Normal Voltage	0.0028	
-20	Normal Voltage	0.0000	
-30	Normal Voltage	0.0028	
20	Maximum Voltage	0.0184	
20	Normal Voltage	0.0155	
20	Battery End Point	0.0170	

Note:

1. Normal Voltage = 3.9V. ; 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	1	3	21.80	0.1515	25.16	0.3280
Middle		3	3	21.57	0.1437	24.84	0.3049
Highest		3	3	21.43	0.1390	24.11	0.2577
Lowest	16QAM	3	3	20.67	0.1166	24.02	0.2522
Middle		1	3	20.43	0.1104	23.76	0.2374
Highest		1	5	20.56	0.1137	23.17	0.2077
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	21.58	0.1440	24.94	0.3122
Middle		1	14	21.33	0.1357	24.59	0.2874
Highest		1	0	21.48	0.1405	24.24	0.2652
Lowest	16QAM	1	0	20.62	0.1153	24.67	0.2933
Middle		1	0	20.42	0.1102	23.74	0.2367
Highest		1	0	20.44	0.1107	23.18	0.2079
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	0	21.71	0.1482	25.24	0.3339
Middle		1	12	21.53	0.1421	24.75	0.2984
Highest		1	12	21.18	0.1314	24.05	0.2543
Lowest	16QAM	1	0	21.03	0.1268	24.46	0.2795
Middle		1	12	20.33	0.1078	23.64	0.2310
Highest		1	0	20.25	0.1058	23.08	0.2032
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	21.55	0.1429	25.01	0.3167
Middle		1	25	21.26	0.1335	24.64	0.2909
Highest		1	25	21.35	0.1365	24.27	0.2671
Lowest	16QAM	1	0	21.08	0.1282	24.21	0.2635
Middle		1	25	20.22	0.1053	23.36	0.2168
Highest		1	25	20.46	0.1113	23.13	0.2054
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	21.76	0.1498	25.24	0.3345
Middle		1	37	21.67	0.1468	24.91	0.3099
Highest		1	37	21.22	0.1324	23.99	0.2503
Lowest	16QAM	1	0	20.46	0.1111	23.65	0.2316
Middle		1	0	20.43	0.1105	23.58	0.2282
Highest		1	74	20.65	0.1162	23.49	0.2232
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	21.34	0.1362	24.97	0.3142
Middle		1	49	21.58	0.1438	24.90	0.3089
Highest		1	49	21.54	0.1424	24.45	0.2784
Lowest	16QAM	1	0	20.66	0.1164	24.17	0.2615
Middle		1	0	20.60	0.1148	24.15	0.2602
Highest		1	49	20.37	0.1089	23.29	0.2134
Limit	EIRP < 2W			Result		PASS	

LTE Band 4 / 1.4MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	1	23.38	0.2176	24.61	0.2891
Middle		3	1	23.27	0.2122	24.83	0.3043
Highest		3	3	22.57	0.1806	24.82	0.3032
Lowest	16QAM	1	3	22.12	0.1630	23.66	0.2323
Middle		1	3	22.39	0.1736	24.26	0.2667
Highest		1	3	22.01	0.1590	24.00	0.2513
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	23.11	0.2045	24.22	0.2640
Middle		1	14	23.25	0.2112	24.65	0.2921
Highest		1	14	22.80	0.1905	24.73	0.2973
Lowest	16QAM	1	0	22.27	0.1688	23.77	0.2383
Middle		1	14	22.27	0.1685	24.12	0.2582
Highest		1	14	21.71	0.1482	23.74	0.2366
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	23.33	0.2151	24.47	0.2800
Middle		1	12	23.25	0.2111	24.87	0.3069
Highest		1	12	22.80	0.1904	24.70	0.2951
Lowest	16QAM	1	24	22.25	0.1680	23.75	0.2372
Middle		1	0	22.19	0.1654	24.05	0.2544
Highest		1	24	21.63	0.1455	23.66	0.2325
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	23.43	0.2203	24.52	0.2833
Middle		1	25	23.03	0.2008	24.66	0.2925
Highest		1	25	22.71	0.1867	24.62	0.2894
Lowest	16QAM	1	25	22.13	0.1633	23.60	0.2290
Middle		1	25	21.80	0.1512	23.80	0.2399
Highest		1	25	21.66	0.1464	23.54	0.2258
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	23.27	0.2125	24.53	0.2836
Middle		1	0	23.37	0.2171	24.89	0.3086
Highest		1	0	23.27	0.2126	24.88	0.3079
Lowest	16QAM	1	0	22.32	0.1706	23.87	0.2440
Middle		1	0	22.33	0.1708	24.02	0.2523
Highest		1	0	22.11	0.1625	24.02	0.2523
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	23.28	0.2126	24.47	0.2796
Middle		1	49	23.04	0.2016	24.62	0.2897
Highest		1	49	22.92	0.1958	24.60	0.2886
Lowest	16QAM	1	0	22.78	0.1896	23.89	0.2449
Middle		1	0	22.47	0.1764	23.97	0.2496
Highest		1	0	22.18	0.1650	24.00	0.2512
Limit	EIRP < 1W			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	20.73	0.1183	21.13	0.1296
Middle		3	3	21.05	0.1272	21.61	0.1448
Highest		3	1	21.05	0.1273	21.75	0.1495
Lowest	16QAM	3	3	19.55	0.0902	20.11	0.1027
Middle		1	0	20.16	0.1038	20.81	0.1205
Highest		3	0	20.17	0.1039	20.72	0.1181
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	20.75	0.1189	21.26	0.1335
Middle		1	0	20.96	0.1248	21.55	0.1429
Highest		1	14	20.72	0.1180	21.43	0.1390
Lowest	16QAM	1	14	19.83	0.0961	20.37	0.1089
Middle		1	14	20.06	0.1015	20.67	0.1168
Highest		1	0	19.91	0.0980	20.46	0.1113
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	20.82	0.1208	21.27	0.1338
Middle		1	0	21.02	0.1266	21.60	0.1444
Highest		1	12	21.00	0.1259	21.41	0.1383
Lowest	16QAM	1	12	20.02	0.1006	20.58	0.1142
Middle		1	12	20.08	0.1017	20.74	0.1186
Highest		1	0	20.07	0.1016	20.67	0.1167
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	20.70	0.1176	21.44	0.1394
Middle		1	25	21.02	0.1264	21.57	0.1434
Highest		1	25	20.98	0.1253	21.68	0.1472
Lowest	16QAM	1	25	20.08	0.1019	20.66	0.1164
Middle		1	25	20.15	0.1035	20.59	0.1147
Highest		1	25	20.03	0.1006	20.66	0.1164
Limit	ERP < 3W			Result		PASS	



Radiated Spurious Emission

LTE Band 2 / 1.4MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3758.92	-46.77	-13	-33.77	-61.27	-47.14	7.73	8.10	H
	5638.38	-49.44	-13	-36.44	-67.45	-50.34	9.5	10.40	H
	7517.84	-45.67	-13	-32.67	-66.08	-46.29	11.08	11.70	H
	3758.92	-45.93	-13	-32.93	-61.02	-46.30	7.73	8.1	V
	5638.38	-49.27	-13	-36.27	-67.54	-50.17	9.5	10.4	V
	7517.84	-46.75	-13	-33.75	-67.25	-47.37	11.08	11.7	V

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

LTE Band 2 / 3MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3757.48	-45.43	-13	-32.43	-59.93	-45.80	7.73	8.10	H
	5636.22	-49.71	-13	-36.71	-67.72	-50.61	9.5	10.40	H
	7514.96	-47.28	-13	-34.28	-67.69	-47.90	11.08	11.70	H
	3757.48	-43.42	-13	-30.42	-58.51	-43.79	7.73	8.1	V
	5636.22	-48.85	-13	-35.85	-67.12	-49.75	9.5	10.4	V
	7514.96	-46.84	-13	-33.84	-67.34	-47.46	11.08	11.7	V

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

LTE Band 2 / 5MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3755.68	-45.49	-13	-32.49	-59.99	-45.86	7.73	8.10	H
	5633.52	-48.77	-13	-35.77	-66.78	-49.67	9.5	10.40	H
	7511.36	-47.47	-13	-34.47	-67.88	-48.09	11.08	11.70	H
	3755.68	-43.63	-13	-30.63	-58.72	-44.00	7.73	8.1	V
	5633.52	-49.21	-13	-36.21	-67.48	-50.11	9.5	10.4	V
	7511.36	-46.22	-13	-33.22	-66.72	-46.84	11.08	11.7	V

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



LTE Band 2 / 10MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3751.18	-45.36	-13	-32.36	-59.86	-45.73	7.73	8.10	H
	5626.77	-49.49	-13	-36.49	-67.50	-50.39	9.5	10.40	H
	7502.36	-47.32	-13	-34.32	-67.73	-47.94	11.08	11.70	H
	3751.18	-43.67	-13	-30.67	-58.76	-44.04	7.73	8.1	V
	5626.77	-48.71	-13	-35.71	-66.98	-49.61	9.5	10.4	V
	7502.36	-47.36	-13	-34.36	-67.86	-47.98	11.08	11.7	V

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

LTE Band 2 / 15MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3746.68	-45.31	-13	-32.31	-59.81	-45.68	7.73	8.10	H
	5620.02	-49.58	-13	-36.58	-67.59	-50.48	9.5	10.40	H
	7493.36	-46.56	-13	-33.56	-66.97	-47.18	11.08	11.70	H
	3746.68	-43.25	-13	-30.25	-58.34	-43.62	7.73	8.1	V
	5620.02	-49.03	-13	-36.03	-67.3	-49.93	9.5	10.4	V
	7493.36	-47.74	-13	-34.74	-68.24	-48.36	11.08	11.7	V

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

LTE Band 2 / 20MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3742.18	-33.55	-13	-20.55	-50.43	-33.92	7.73	8.10	H
	5613.27	-48.27	-13	-35.27	-66.28	-49.17	9.5	10.40	H
	7484.36	-46.51	-13	-33.51	-66.92	-47.13	11.08	11.70	H
	3742.18	-33.19	-13	-20.19	-50.46	-33.56	7.73	8.1	V
	5613.27	-48.25	-13	-35.25	-66.52	-49.15	9.5	10.4	V
	7484.36	-46.50	-13	-33.50	-67	-47.12	11.08	11.7	V

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



LTE Band 4 / 1.4MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3463.74	-34.65	-13	-21.65	-50.50	-39.92	7.33	12.60	H
	5195.61	-47.26	-13	-34.26	-65.26	-50.81	9.15	12.70	H
	6927.48	-46.91	-13	-33.91	-65.72	-47.97	10.64	11.70	H
	3463.74	-33.26	-13	-20.26	-48.88	-38.53	7.33	12.60	V
	5195.61	-52.02	-13	-39.02	-65.77	-55.57	9.15	12.70	V
	6927.48	-48.21	-13	-35.21	-66.3	-49.27	10.64	11.70	V

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

LTE Band 4 / 3MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3462.48	-35.76	-13	-22.76	-51.45	-41.03	7.33	12.60	H
	5193.72	-48.75	-13	-35.75	-66.75	-52.30	9.15	12.70	H
	6924.96	-47.73	-13	-34.73	-66.54	-48.79	10.64	11.70	H
	3462.48	-36.29	-13	-23.29	-51.53	-41.56	7.33	12.60	V
	5193.72	-52.49	-13	-39.49	-66.24	-56.04	9.15	12.70	V
	6924.96	-48.16	-13	-35.16	-66.25	-49.22	10.64	11.70	V

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

LTE Band 4 / 5MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3460.68	-36.02	-13	-23.02	-51.67	-41.29	7.33	12.60	H
	5191.02	-48.01	-13	-35.01	-66.01	-51.56	9.15	12.70	H
	6921.36	-47.65	-13	-34.65	-66.46	-48.71	10.64	11.70	H
	3460.68	-37.63	-13	-24.63	-52.67	-42.90	7.33	12.60	V
	5191.02	-52.66	-13	-39.66	-66.41	-56.21	9.15	12.70	V
	6921.36	-48.28	-13	-35.28	-66.37	-49.34	10.64	11.70	V

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



LTE Band 4 / 10MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3456.18	-34.67	-13	-21.67	-50.52	-39.94	7.33	12.60	H
	5184.27	-49.29	-13	-36.29	-67.29	-52.84	9.15	12.70	H
	6912.36	-47.87	-13	-34.87	-66.68	-48.93	10.64	11.70	H
	3456.18	-36.19	-13	-23.19	-51.44	-41.46	7.33	12.60	V
	5184.27	-53.41	-13	-40.41	-67.16	-56.96	9.15	12.70	V
	6912.36	-48.29	-13	-35.29	-66.38	-49.35	10.64	11.70	V

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

LTE Band 4 / 15MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3451.68	-32.79	-13	-19.79	-48.78	-38.06	7.33	12.60	H
	5177.52	-48.44	-13	-35.44	-66.44	-51.99	9.15	12.70	H
	6903.36	-47.50	-13	-34.50	-66.31	-48.56	10.64	11.70	H
	3451.68	-35.57	-13	-22.57	-50.93	-40.84	7.33	12.60	V
	5177.52	-53.37	-13	-40.37	-67.12	-56.92	9.15	12.70	V
	6903.36	-47.90	-13	-34.90	-65.99	-48.96	10.64	11.70	V

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

LTE Band 4 / 20MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3447.18	-31.82	-13	-18.82	-48.10	-37.09	7.33	12.60	H
	5170.77	-48.79	-13	-35.79	-66.79	-52.34	9.15	12.70	H
	6894.36	-47.34	-13	-34.34	-66.15	-48.40	10.64	11.70	H
	3447.18	-34.10	-13	-21.10	-49.62	-39.37	7.33	12.60	V
	5170.77	-52.36	-13	-39.36	-66.11	-55.91	9.15	12.70	V
	6894.36	-47.88	-13	-34.88	-65.97	-48.94	10.64	11.70	V

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



LTE Band 12 / 1.4MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1413.74	-22.24	-13	-9.24	-28.97	-20.67	4.92	5.50	H
	2120.61	-51.56	-13	-38.56	-58.13	-49.10	6.11	5.80	H
	2827.48	-41.47	-13	-28.47	-52.79	-40.09	7.33	8.10	H
	3534.35	-44.55	-13	-31.55	-56.77	-43.10	8	8.70	H
	1413.74	-22.30	-13	-9.30	-29.11	-20.73	4.92	5.50	V
	2120.61	-54.77	-13	-41.77	-60.35	-52.31	6.11	5.80	V
	2827.48	-49.77	-13	-36.77	-58.17	-48.39	7.33	8.10	V
	3534.35	-48.82	-13	-35.82	-60.46	-47.37	8.00	8.70	V

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

LTE Band 12 / 3MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1412.3	-25.11	-13	-12.11	-31.80	-23.54	4.92	5.50	H
	2118.45	-46.90	-13	-33.90	-55.15	-44.44	6.11	5.80	H
	2824.6	-41.55	-13	-28.55	-52.84	-40.17	7.33	8.10	H
	3530.75	-43.41	-13	-30.41	-55.97	-41.96	8	8.70	H
	1412.3	-26.69	-13	-13.69	-33.46	-25.12	4.92	5.50	V
	2118.45	-52.29	-13	-39.29	-58.00	-49.83	6.11	5.80	V
	2824.6	-48.44	-13	-35.44	-57.57	-47.06	7.33	8.10	V
	3530.75	-49.71	-13	-36.71	-61.35	-48.26	8.00	8.70	V

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

LTE Band 12 / 5MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1410.5	-24.68	-13	-11.68	-31.38	-23.11	4.92	5.50	H
	2115.75	-44.63	-13	-31.63	-53.35	-42.17	6.11	5.80	H
	2821	-40.47	-13	-27.47	-52.12	-39.09	7.33	8.10	H
	3526.25	-45.55	-13	-32.55	-57.67	-44.10	8	8.70	H
	1410.5	-28.21	-13	-15.21	-34.94	-26.64	4.92	5.50	V
	2115.75	-48.69	-13	-35.69	-55.88	-46.23	6.11	5.80	V
	2821	-45.89	-13	-32.89	-55.74	-44.51	7.33	8.10	V
	3526.25	-46.58	-13	-33.58	-58.22	-45.13	8.00	8.70	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	-23.74	-13	-10.74	-30.46	-22.17	4.92	5.50	H
	2109	-45.65	-13	-32.65	-54.20	-43.19	6.11	5.80	H
	2812	-39.66	-13	-26.66	-51.48	-38.28	7.33	8.10	H
	3515	-45.23	-13	-32.23	-57.35	-43.78	8	8.70	H
	1406	-25.01	-13	-12.01	-31.82	-23.44	4.92	5.50	V
	2109	-51.36	-13	-38.36	-57.53	-48.90	6.11	5.80	V
	2812	-43.77	-13	-30.77	-54.42	-42.39	7.33	8.10	V
	3515	-48.58	-13	-35.58	-60.22	-47.13	8.00	8.70	V

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