

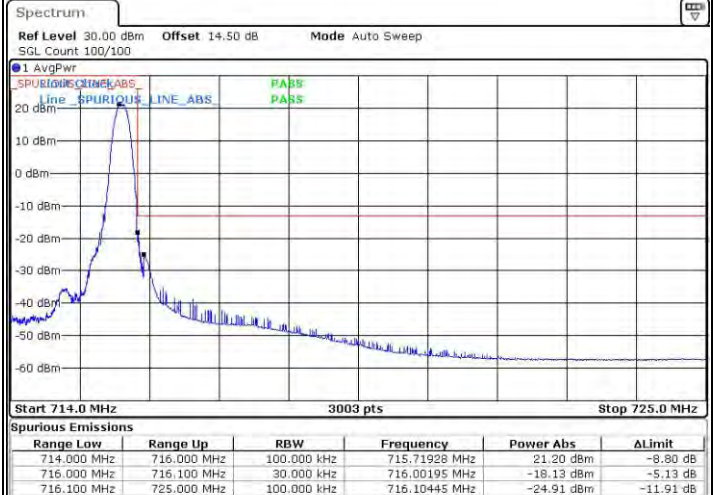


LTE Band 12 / 1.4MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



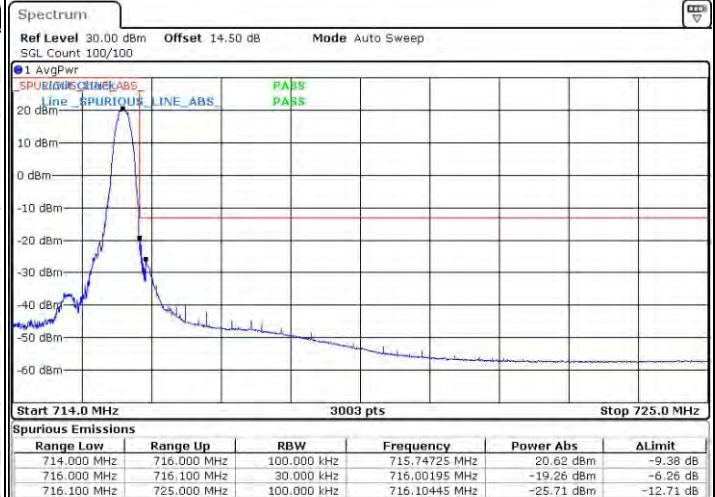


LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



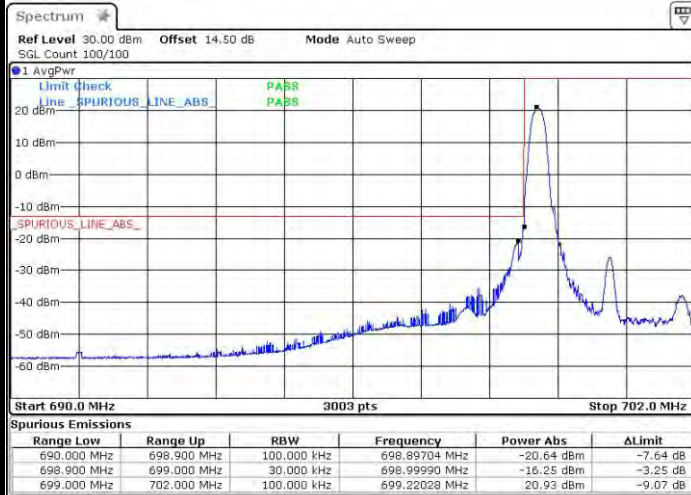
Highest Band Edge / Full RB



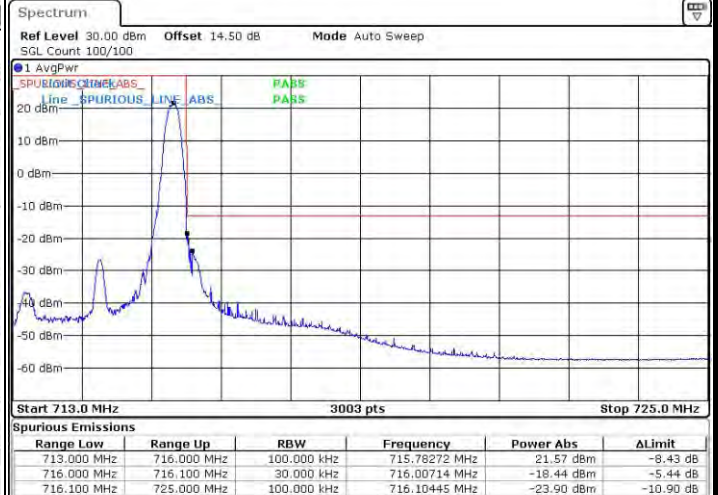


LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



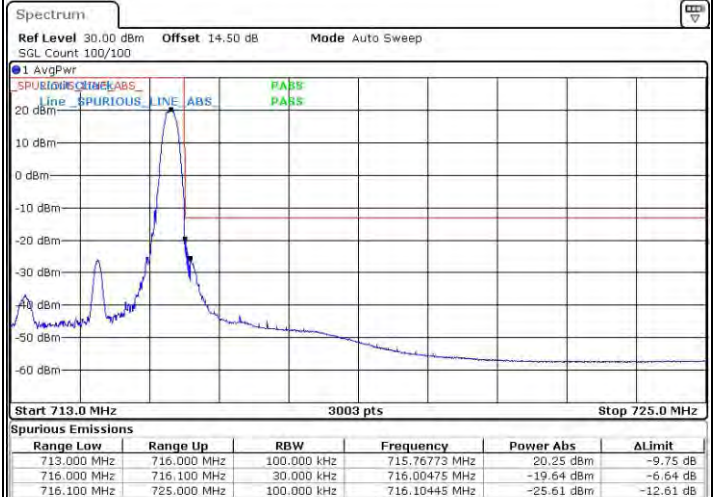


LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



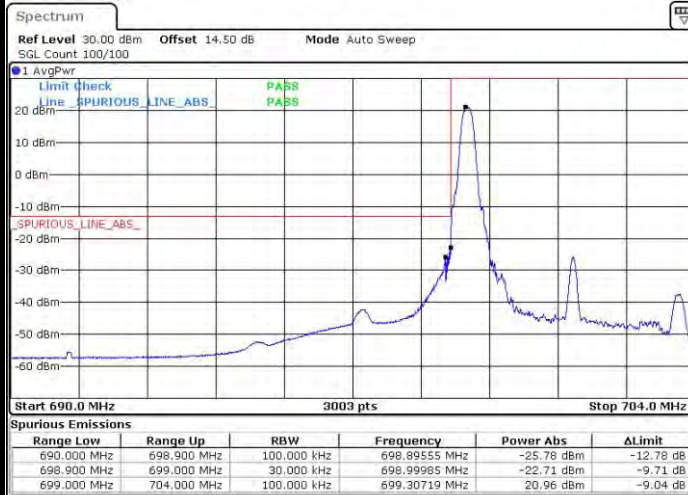
Highest Band Edge / Full RB



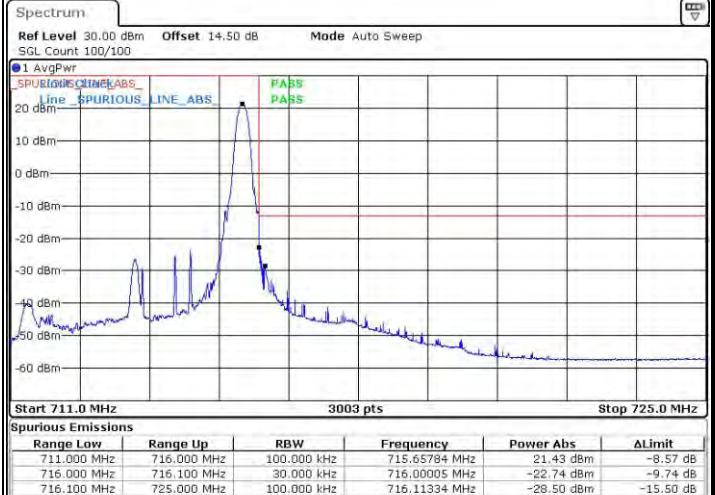


LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



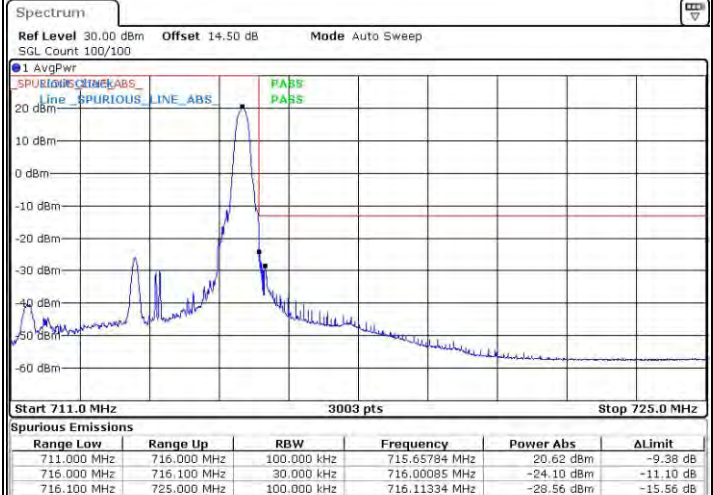


LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



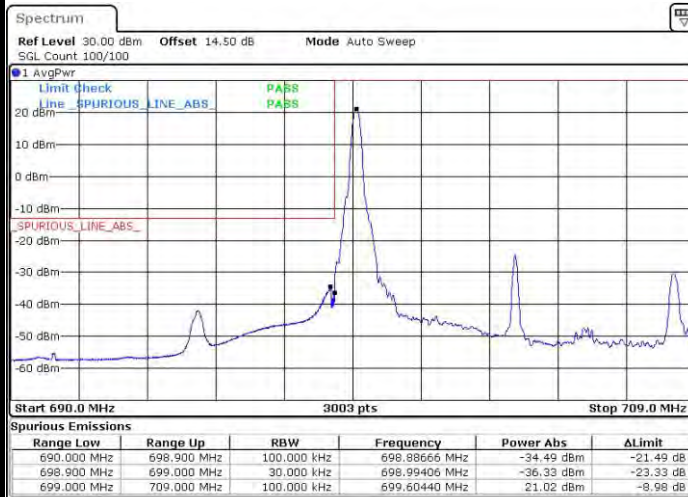
Highest Band Edge / Full RB





LTE Band 12 / 10MHz / QPSK

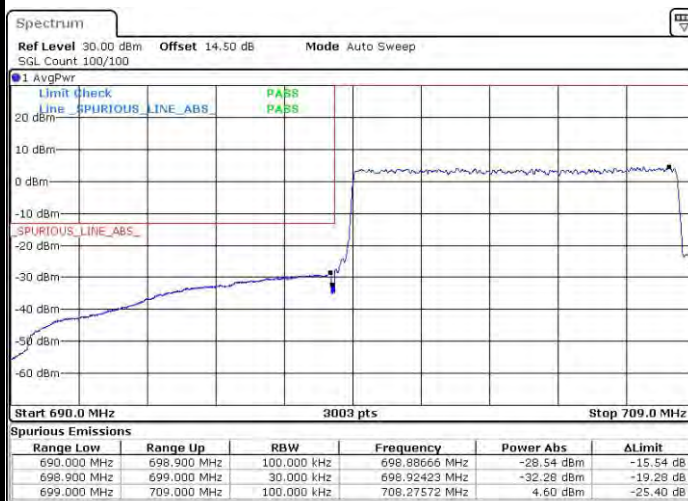
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



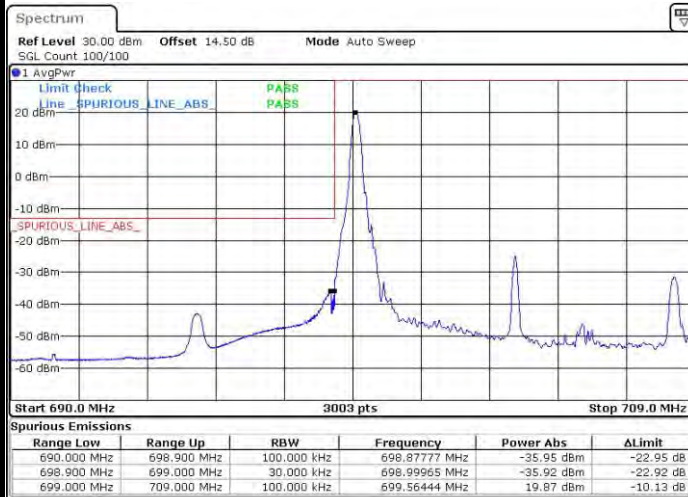
Highest Band Edge / Full RB





LTE Band 12 / 10MHz / 16QAM

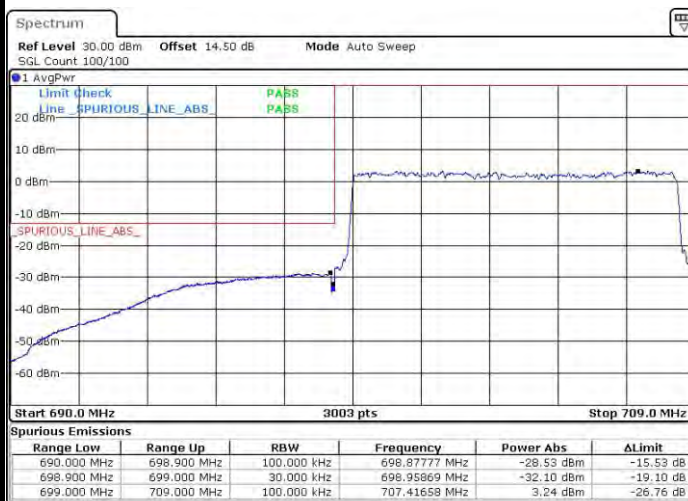
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



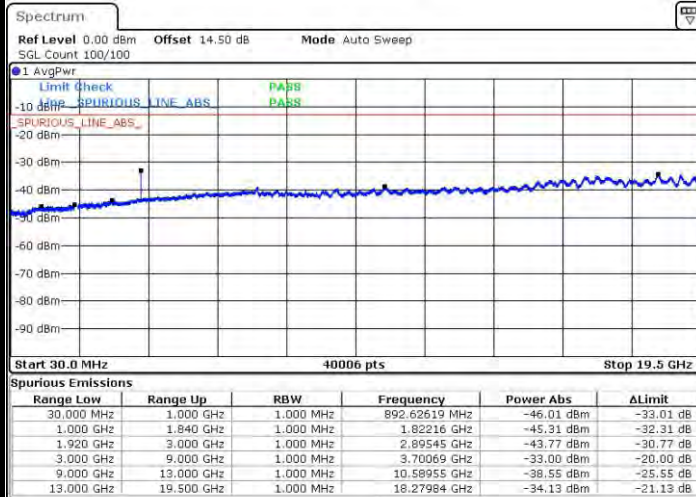


Conducted Spurious Emission



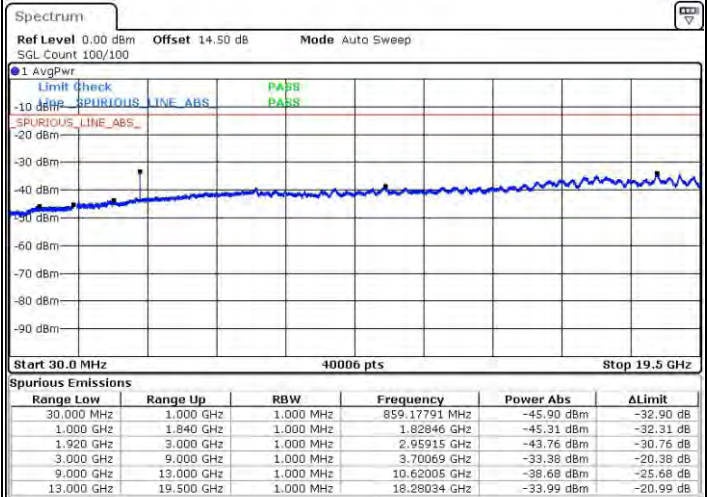
LTE Band 2 / 1.4MHz

Lowest Channel / QPSK



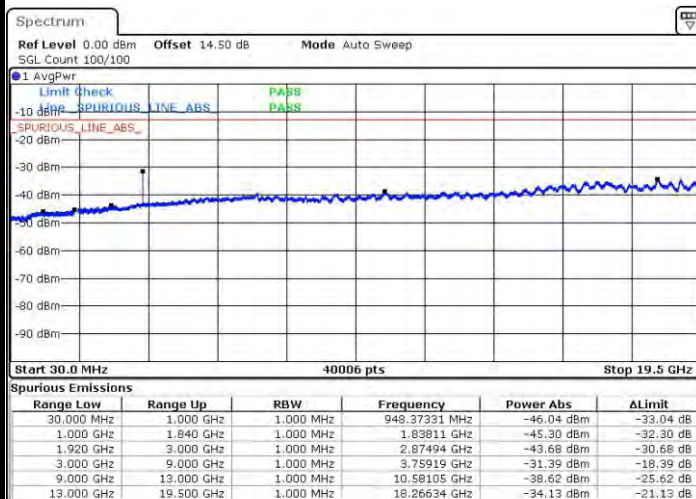
Date: 21.APR.2015 15:03:27

Lowest Channel / 16QAM



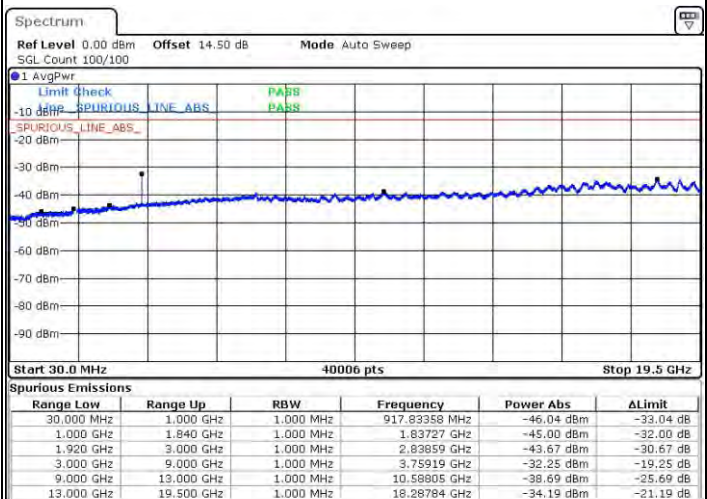
Date: 21.APR.2015 15:04:47

Middle Channel / QPSK



Date: 21.APR.2015 15:06:31

Middle Channel / 16QAM

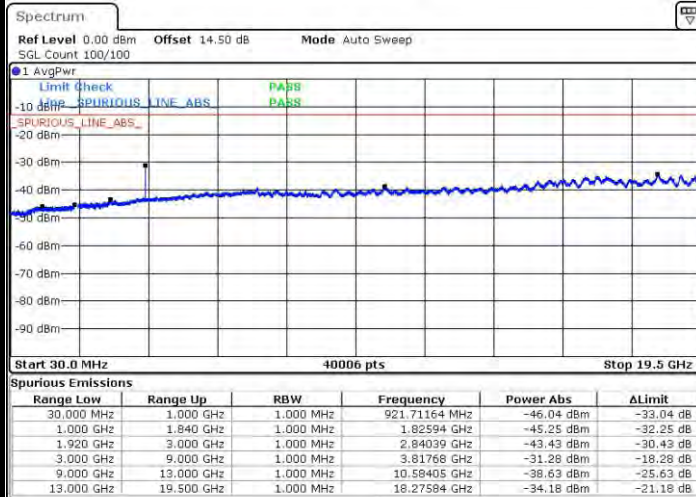


Date: 21.APR.2015 15:08:11



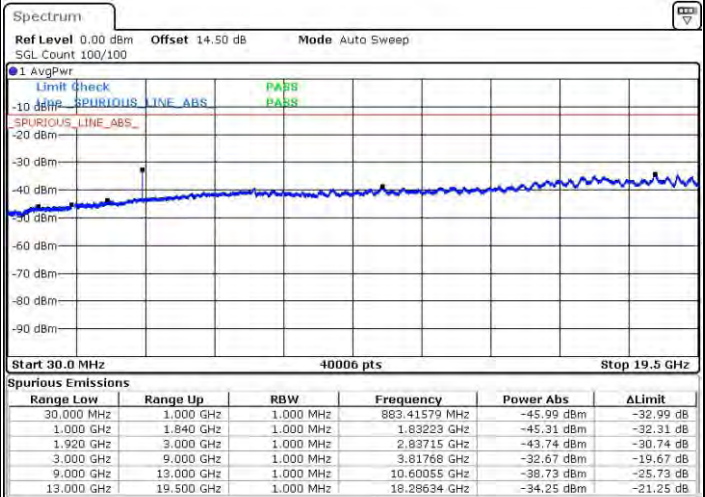
LTE Band 2 / 1.4MHz

Highest Channel / QPSK



Date: 21.APR.2015 15:15:34

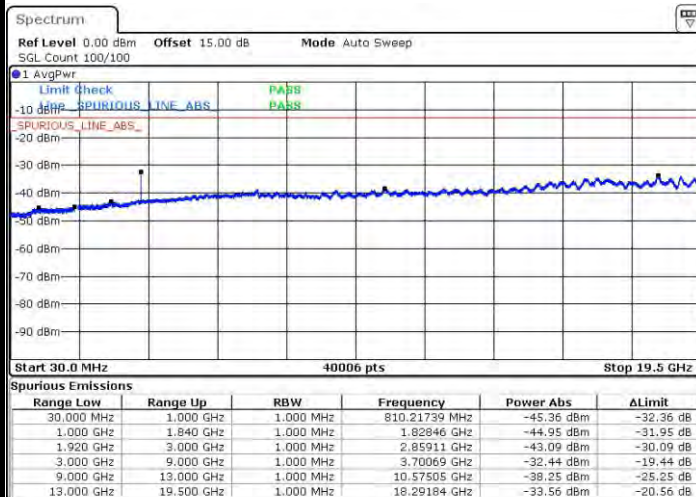
Highest Channel / 16QAM



Date: 21.APR.2015 15:26:32

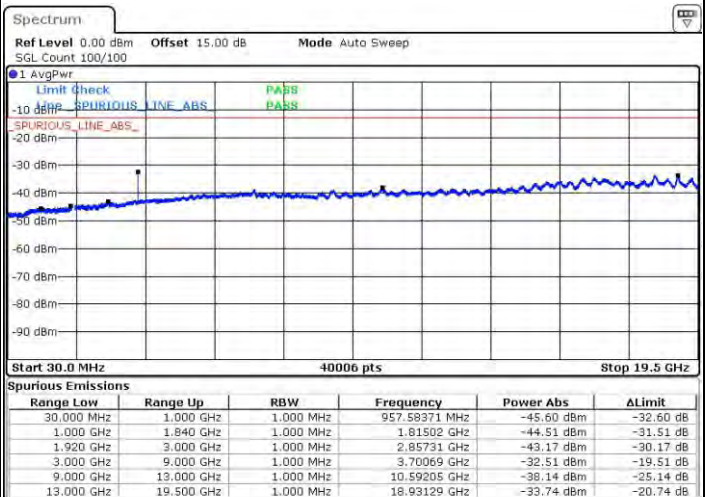
LTE Band 2 / 3MHz

Lowest Channel / QPSK



Date: 21.APR.2015 15:48:58

Lowest Channel / 16QAM

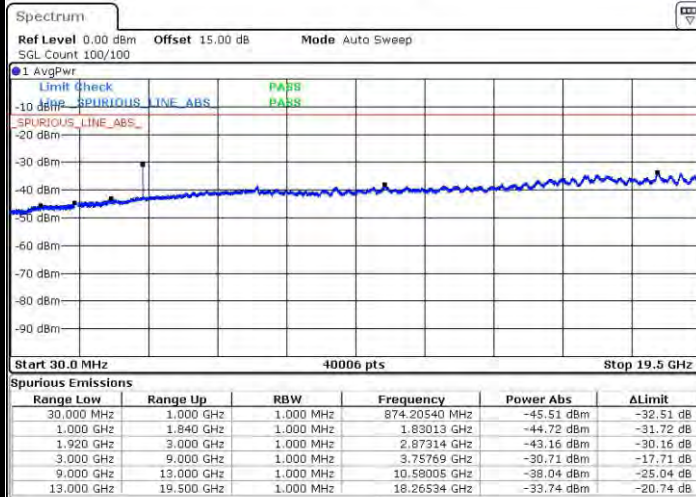


Date: 21.APR.2015 15:50:19



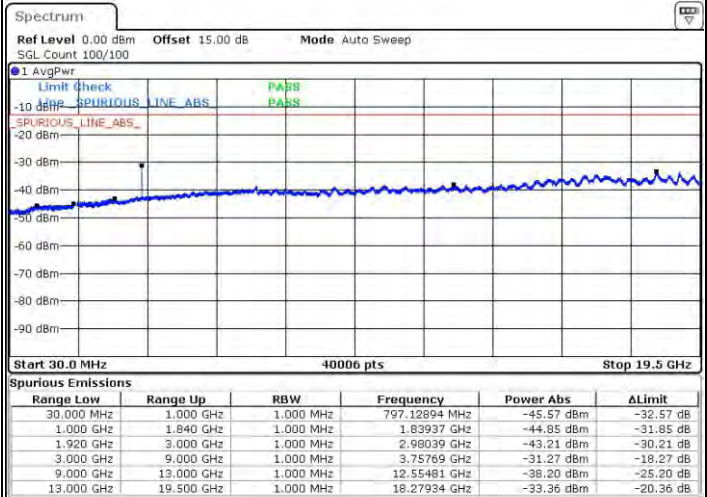
LTE Band 2 / 3MHz

Middle Channel / QPSK



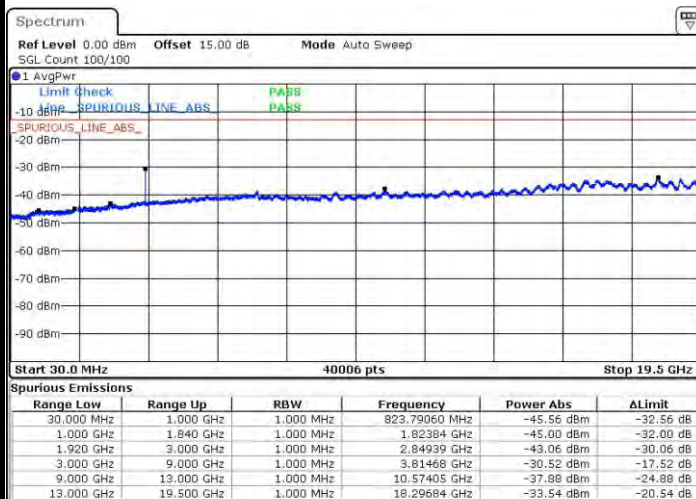
Date: 21.APR.2015 15:52:23

Middle Channel / 16QAM



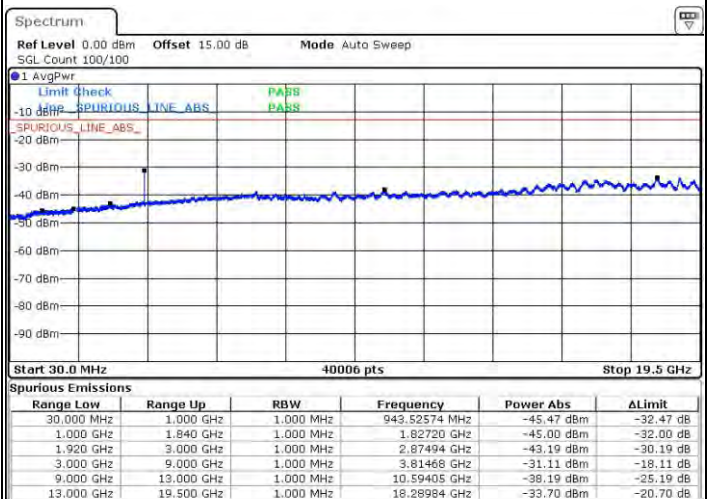
Date: 21.APR.2015 15:53:44

Highest Channel / QPSK



Date: 21.APR.2015 16:01:06

Highest Channel / 16QAM

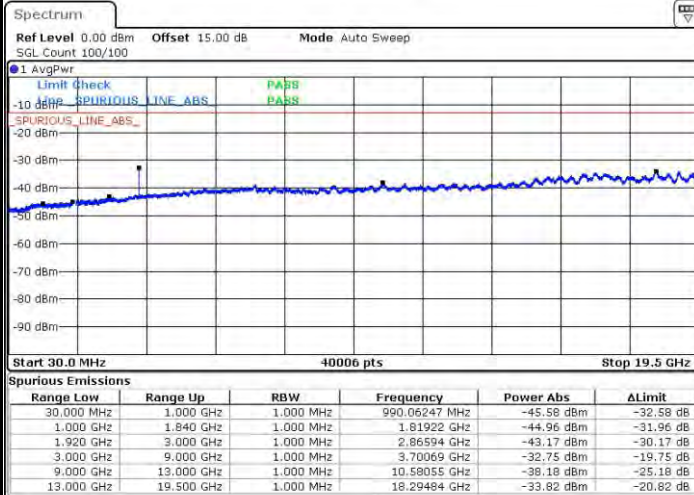


Date: 21.APR.2015 16:02:26



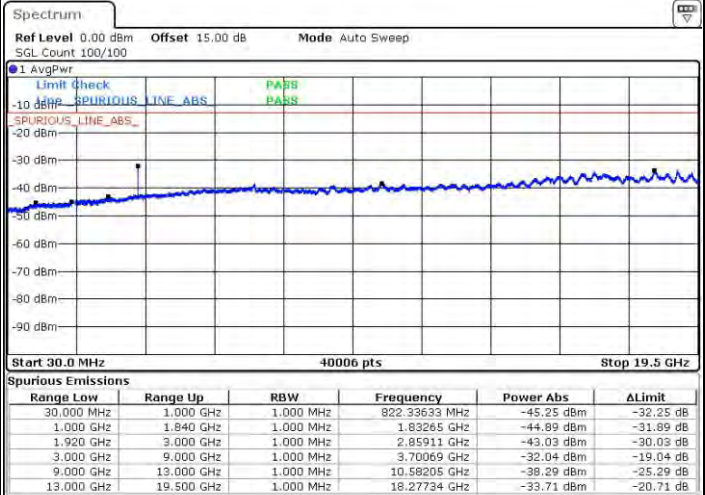
LTE Band 2 / 5MHz

Lowest Channel / QPSK



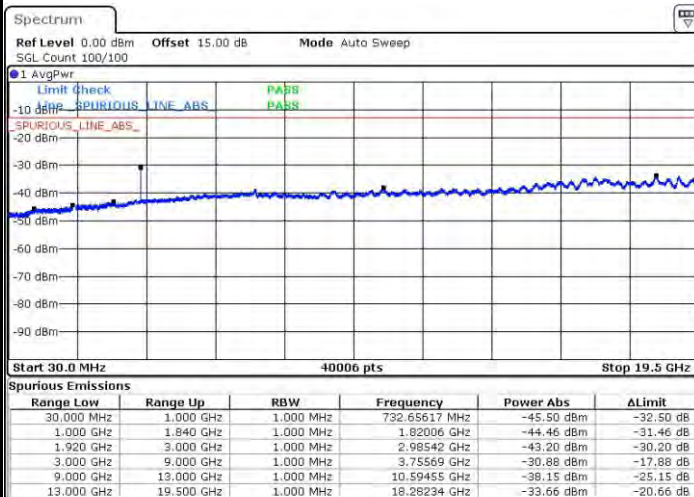
Date: 21.APR.2015 16:09:49

Lowest Channel / 16QAM



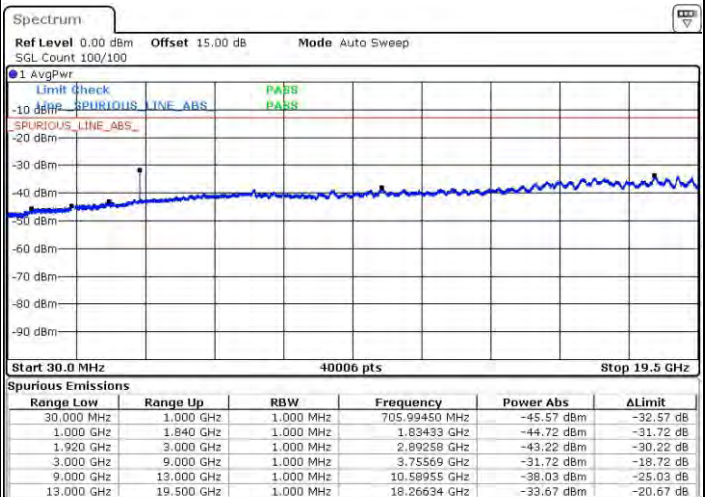
Date: 21.APR.2015 16:11:10

Middle Channel / QPSK



Date: 21.APR.2015 16:13:15

Middle Channel / 16QAM

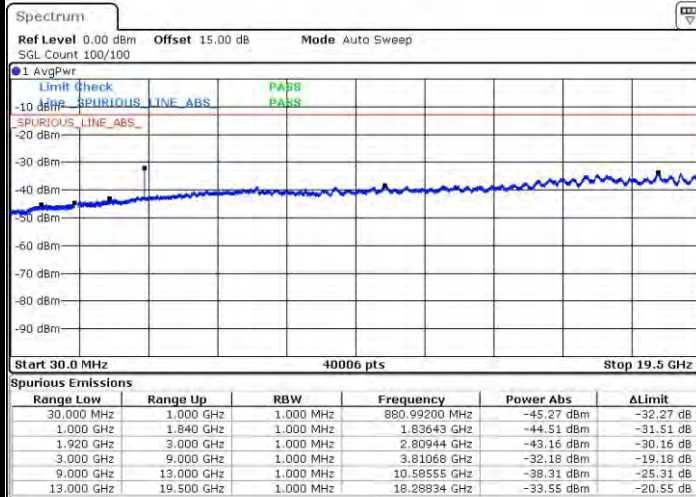


Date: 21.APR.2015 16:14:35



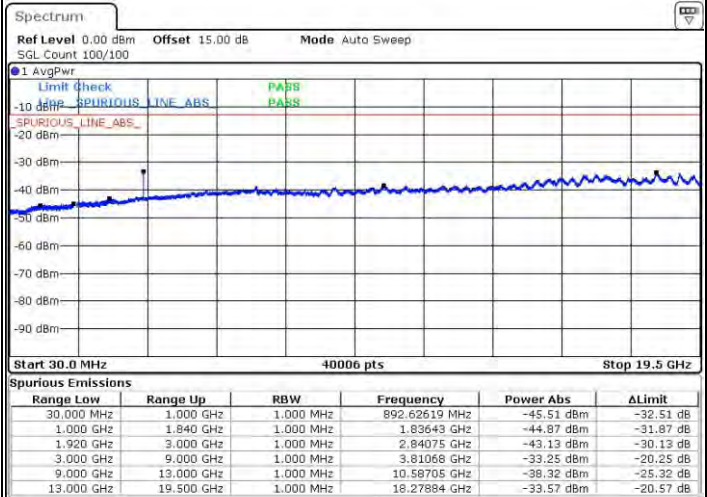
LTE Band 2 / 5MHz

Highest Channel / QPSK



Date: 21.APR.2015 16:21:58

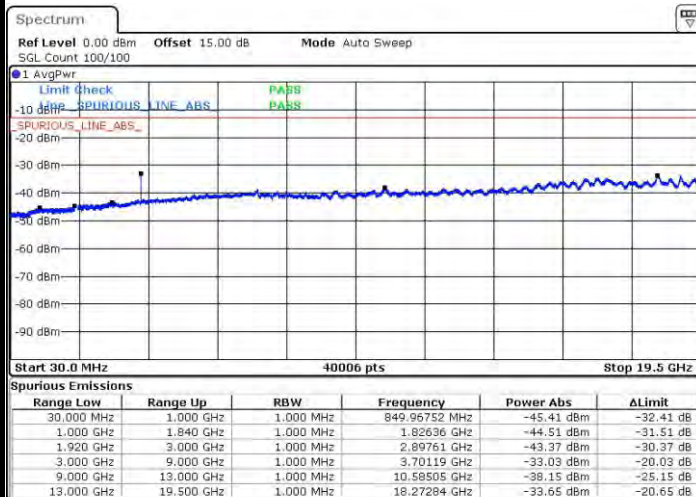
Highest Channel / 16QAM



Date: 21.APR.2015 16:23:19

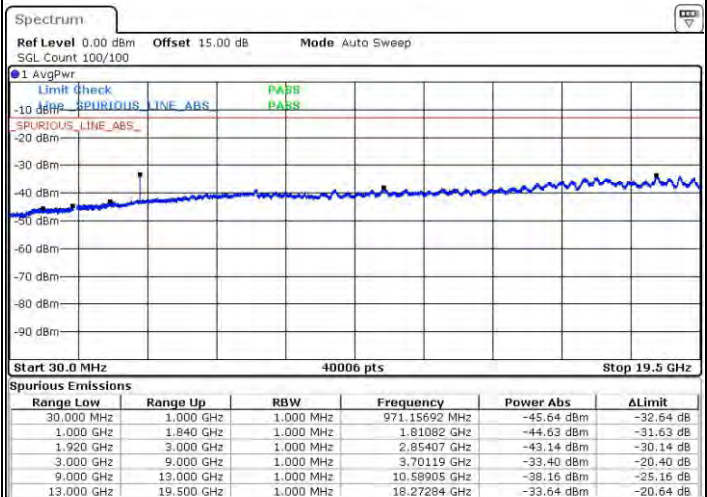
LTE Band 2 / 10MHz

Lowest Channel / QPSK



Date: 21.APR.2015 16:30:41

Lowest Channel / 16QAM

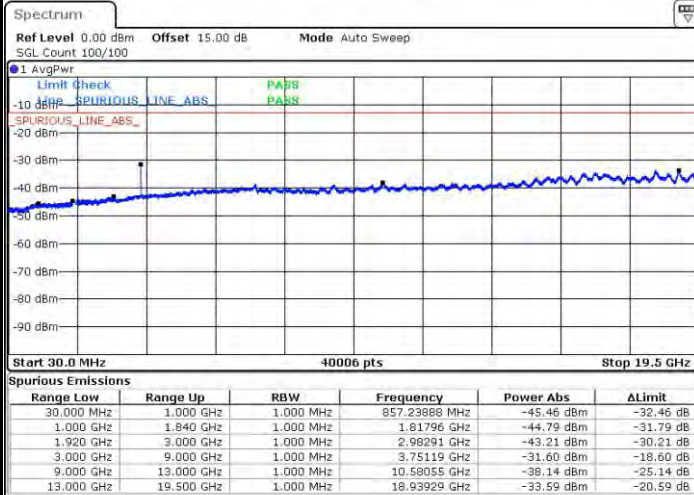


Date: 21.APR.2015 16:32:02



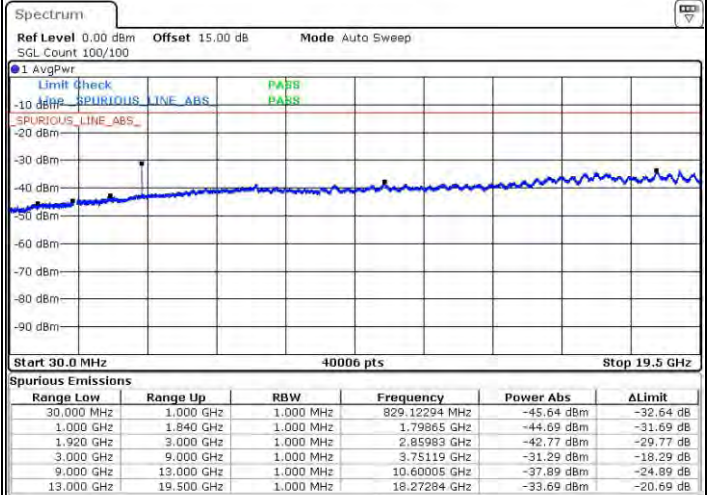
LTE Band 2 / 10MHz

Middle Channel / QPSK



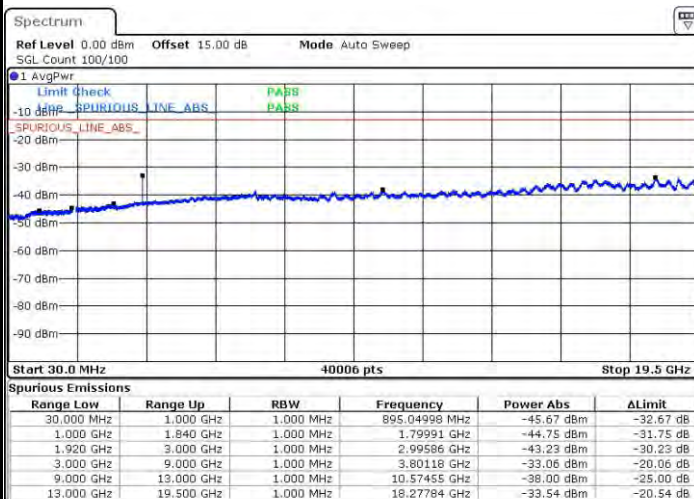
Date: 21.APR.2015 16:34:06

Middle Channel / 16QAM



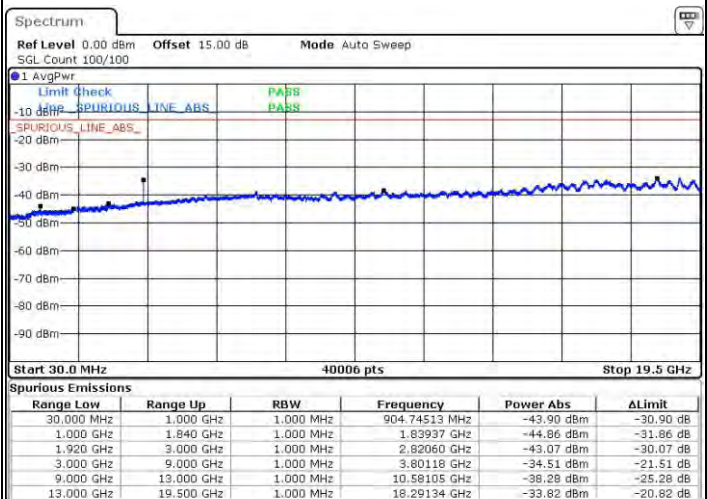
Date: 21.APR.2015 16:35:27

Highest Channel / QPSK



Date: 21.APR.2015 16:42:49

Highest Channel / 16QAM

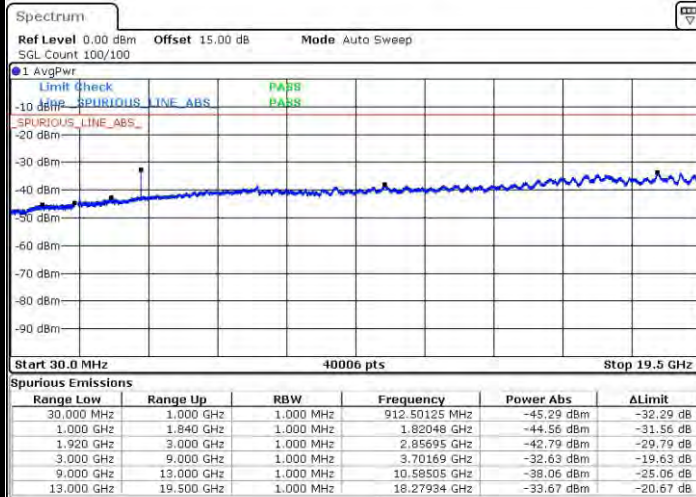


Date: 21.APR.2015 16:44:10



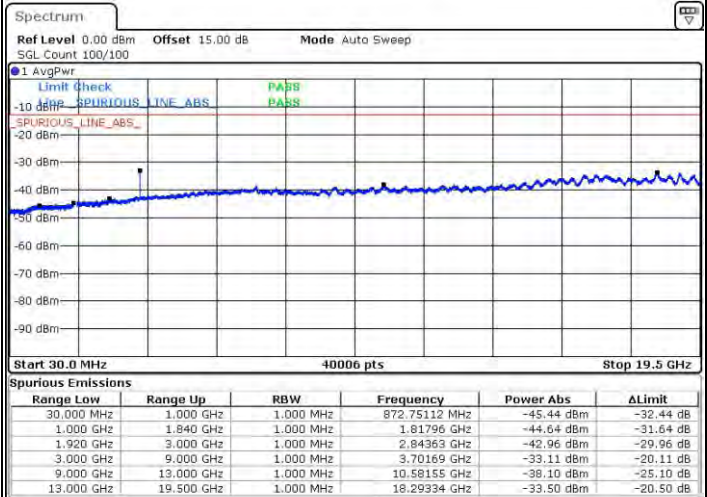
LTE Band 2 / 15MHz

Lowest Channel / QPSK



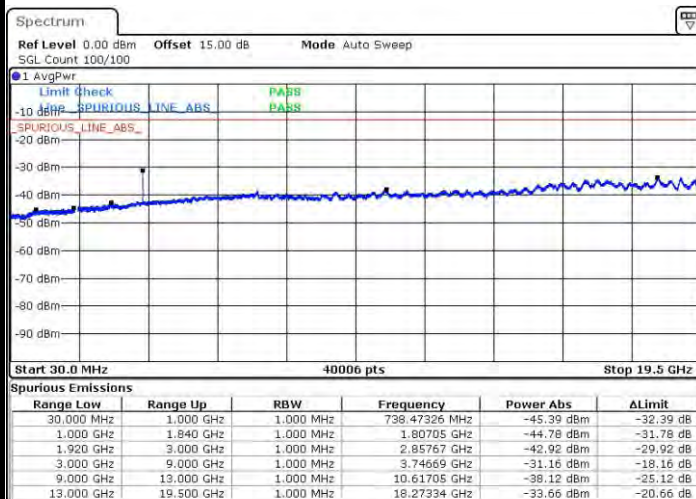
Date: 22.APR.2015 10:14:58

Lowest Channel / 16QAM



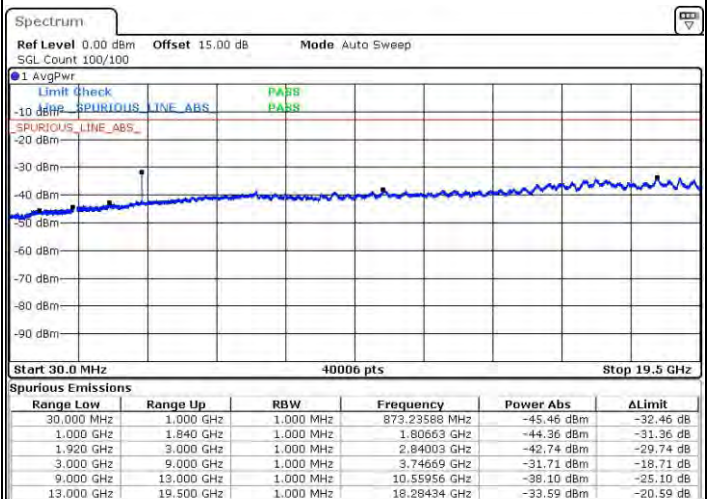
Date: 22.APR.2015 10:16:52

Middle Channel / QPSK



Date: 22.APR.2015 10:18:58

Middle Channel / 16QAM

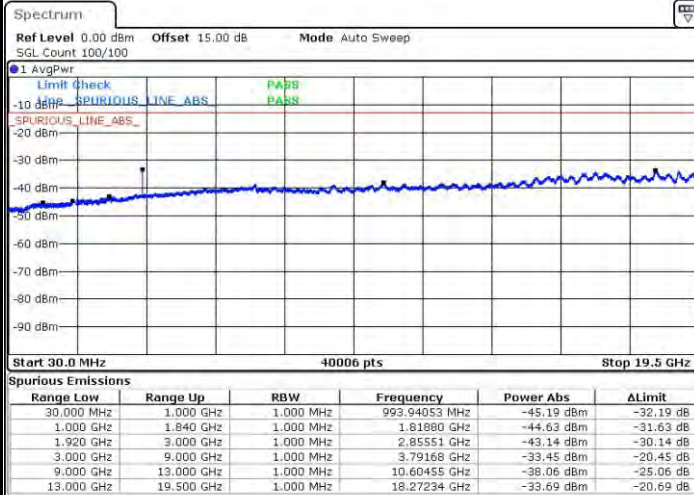


Date: 22.APR.2015 10:20:20



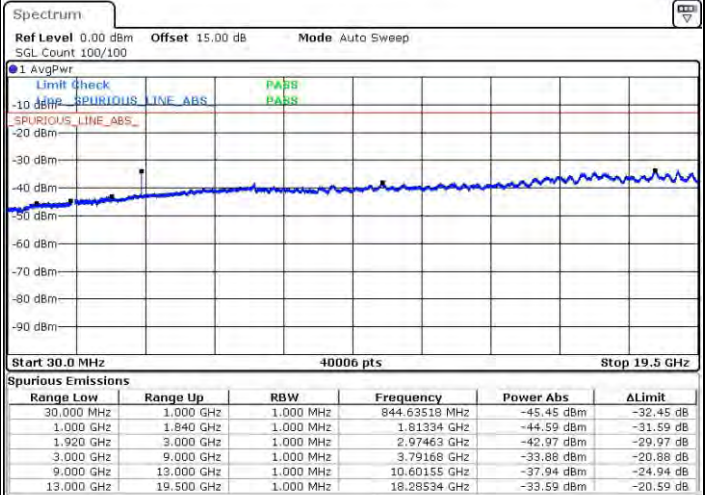
LTE Band 2 / 15MHz

Highest Channel / QPSK



Date: 22.APR.2015 10:32:01

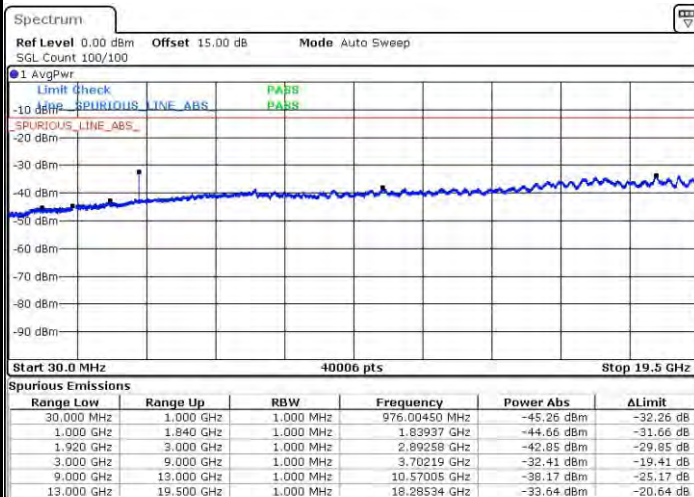
Highest Channel / 16QAM



Date: 22.APR.2015 10:33:22

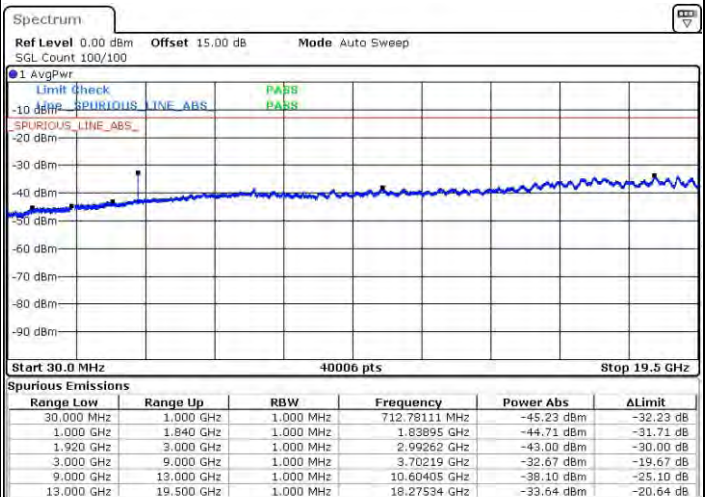
LTE Band 2 / 20MHz

Lowest Channel / QPSK



Date: 22.APR.2015 11:01:17

Lowest Channel / 16QAM

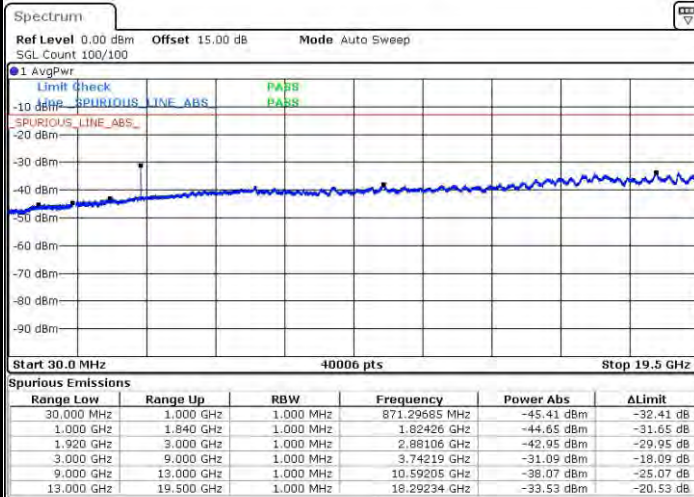


Date: 22.APR.2015 11:05:10



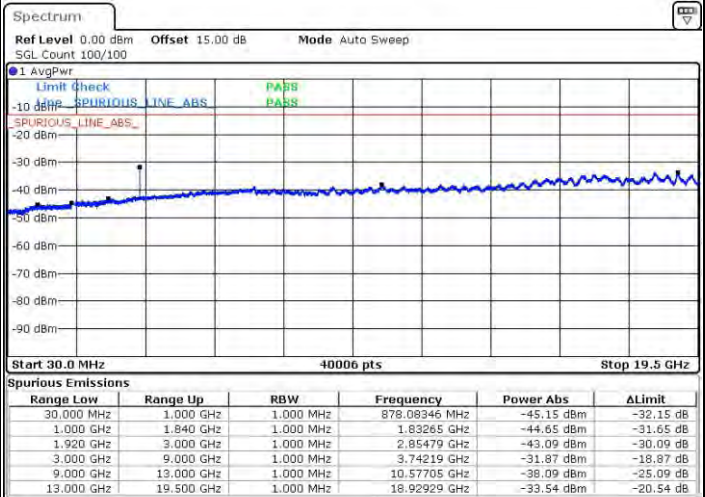
LTE Band 2 / 20MHz

Middle Channel / QPSK



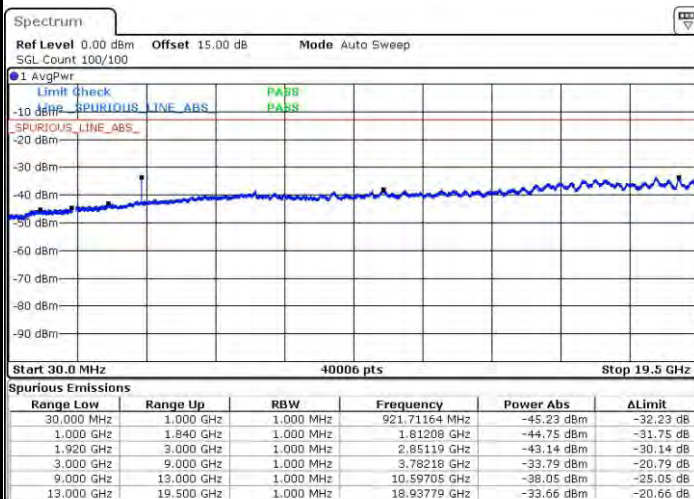
Date: 22.APR.2015 11:07:15

Middle Channel / 16QAM



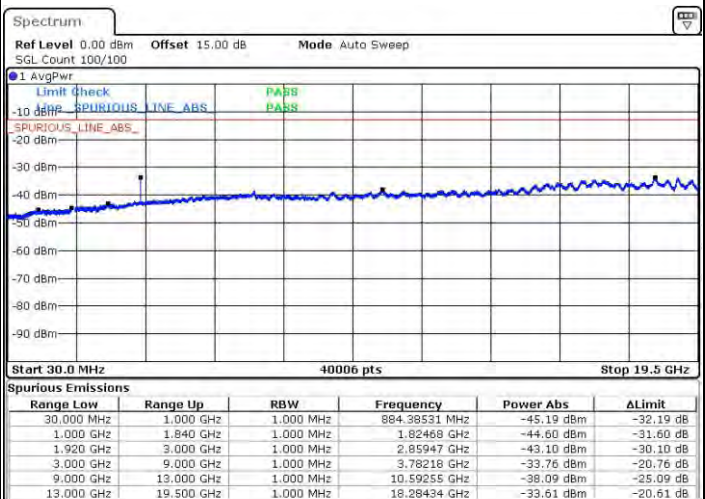
Date: 22.APR.2015 11:08:36

Highest Channel / QPSK



Date: 22.APR.2015 11:25:45

Highest Channel / 16QAM

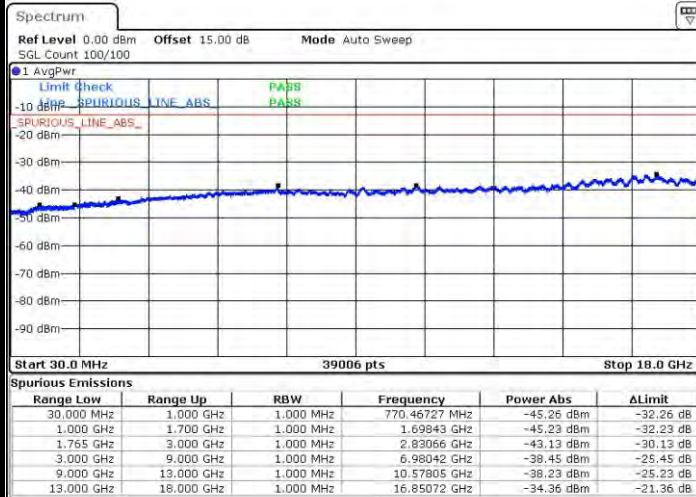


Date: 22.APR.2015 11:19:57



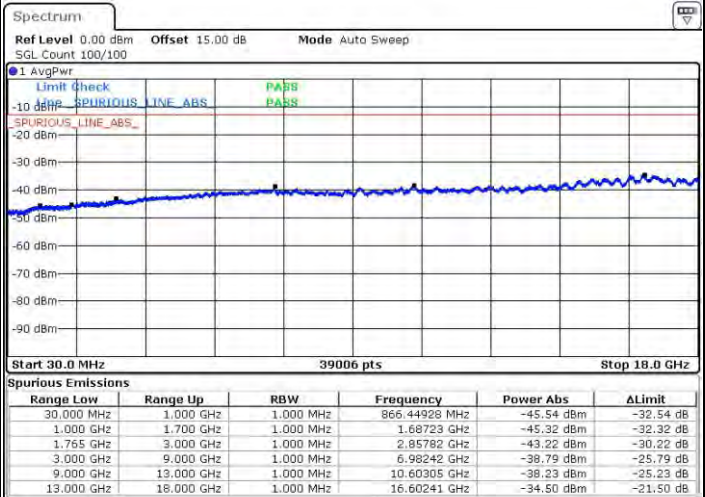
LTE Band 4 / 1.4MHz

Lowest Channel / QPSK



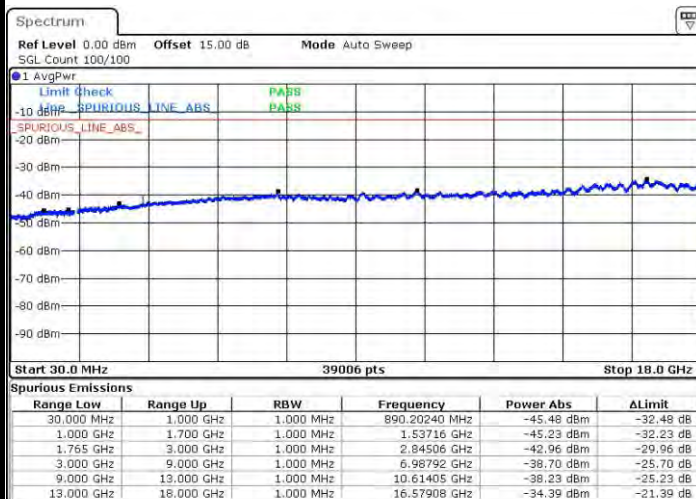
Date: 16.APR.2015 09:12:07

Lowest Channel / 16QAM



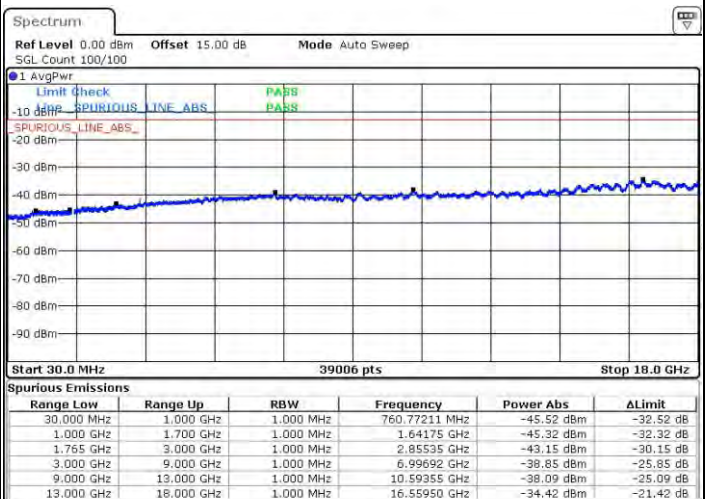
Date: 16.APR.2015 09:15:14

Middle Channel / QPSK



Date: 16.APR.2015 09:17:19

Middle Channel / 16QAM

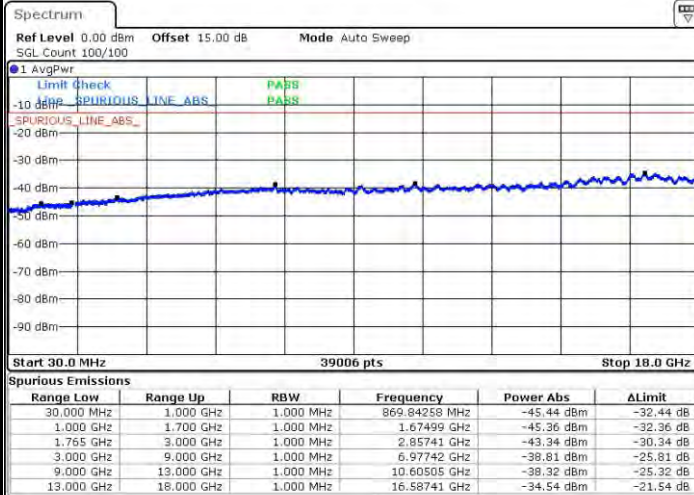


Date: 16.APR.2015 09:18:39



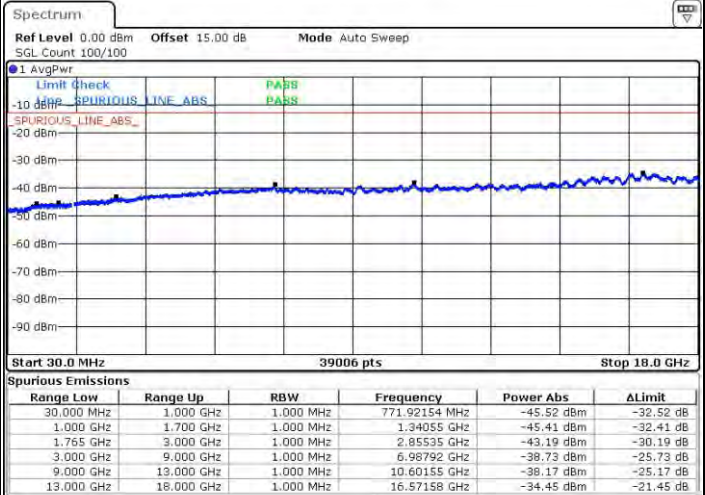
LTE Band 4 / 1.4MHz

Highest Channel / QPSK



Date: 16.APR.2015 19:26:07

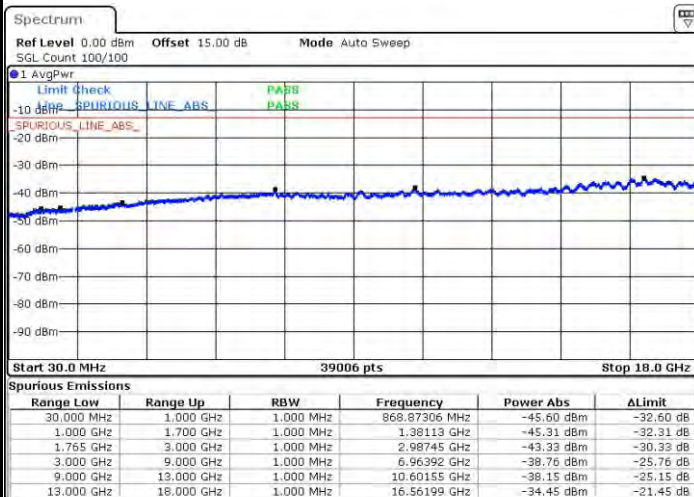
Highest Channel / 16QAM



Date: 16.APR.2015 19:27:27

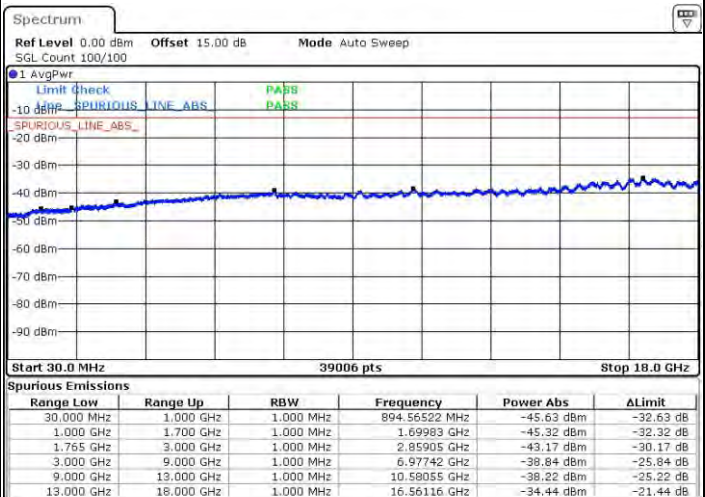
LTE Band 4 / 3MHz

Lowest Channel / QPSK



Date: 16.APR.2015 19:34:54

Lowest Channel / 16QAM

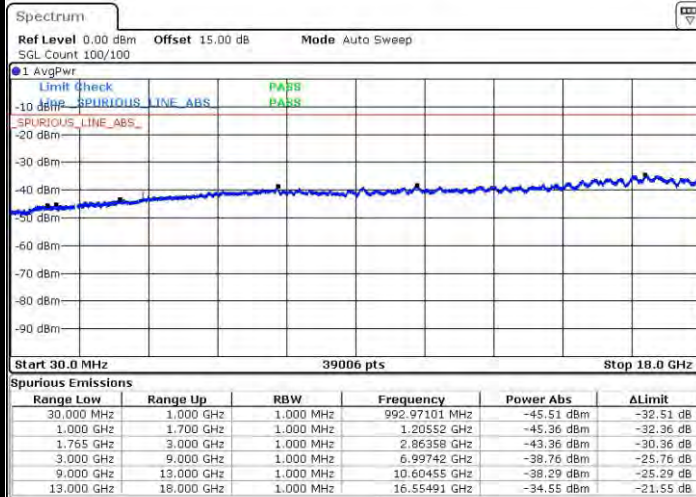


Date: 16.APR.2015 19:36:14



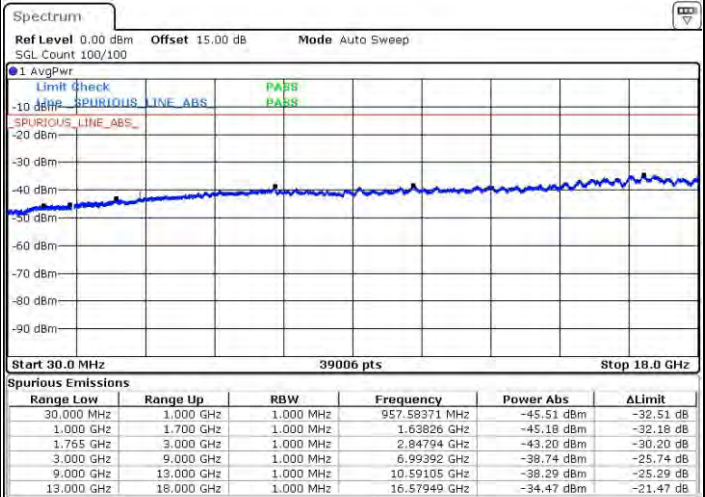
LTE Band 4 / 3MHz

Middle Channel / QPSK



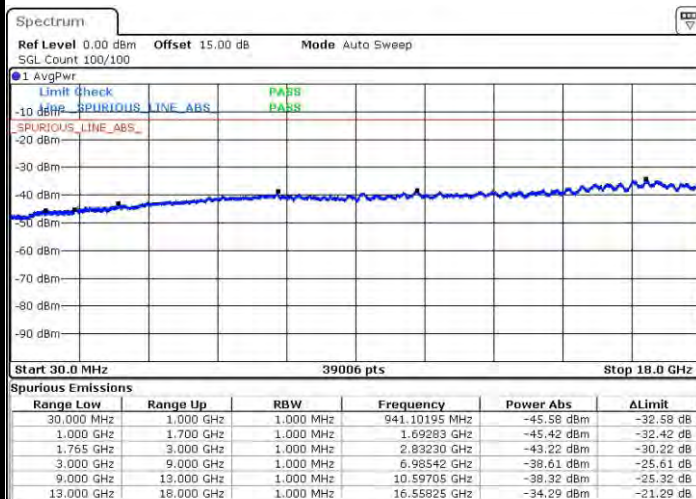
Date: 16.APR.2015 19:38:19

Middle Channel / 16QAM



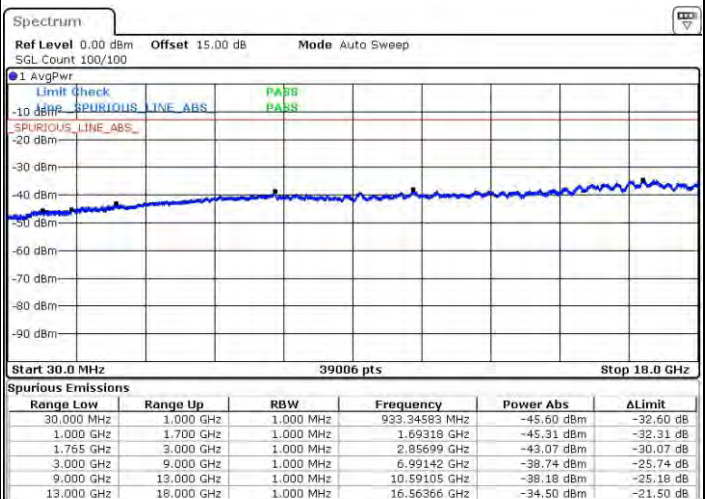
Date: 16.APR.2015 19:39:39

Highest Channel / QPSK



Date: 16.APR.2015 19:47:06

Highest Channel / 16QAM

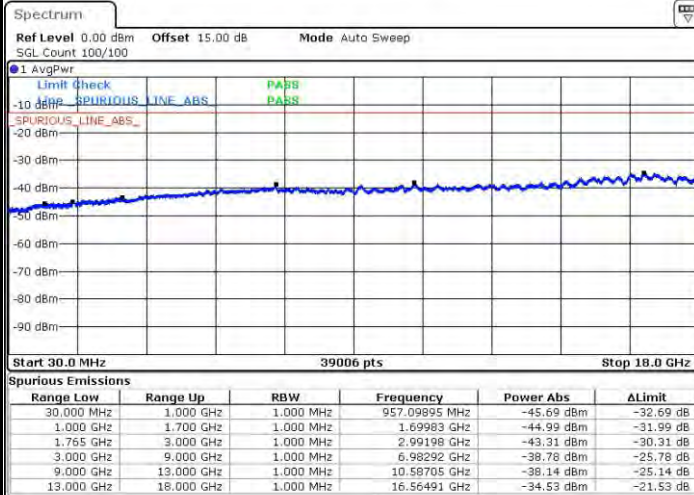


Date: 16.APR.2015 19:48:26



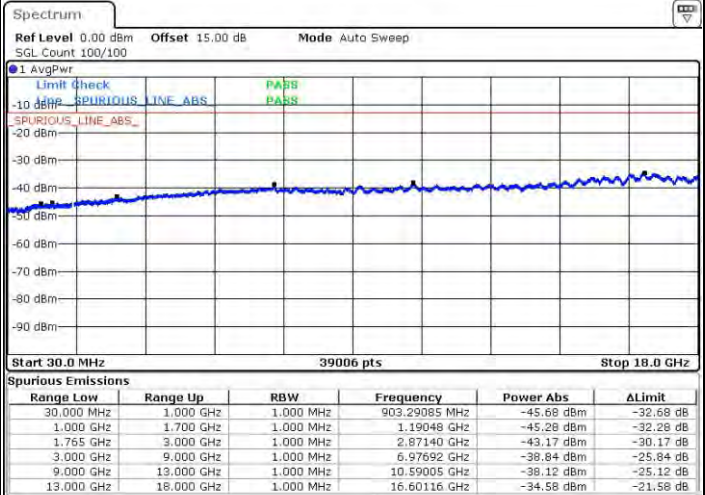
LTE Band 4 / 5MHz

Lowest Channel / QPSK



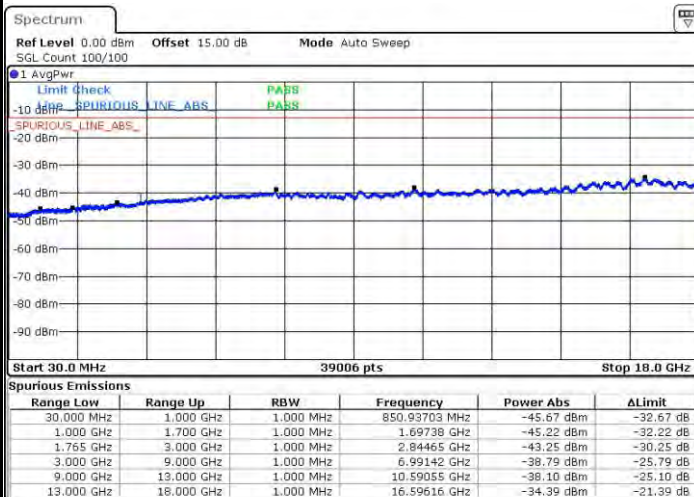
Date: 16.APR.2015 19:55:53

Lowest Channel / 16QAM



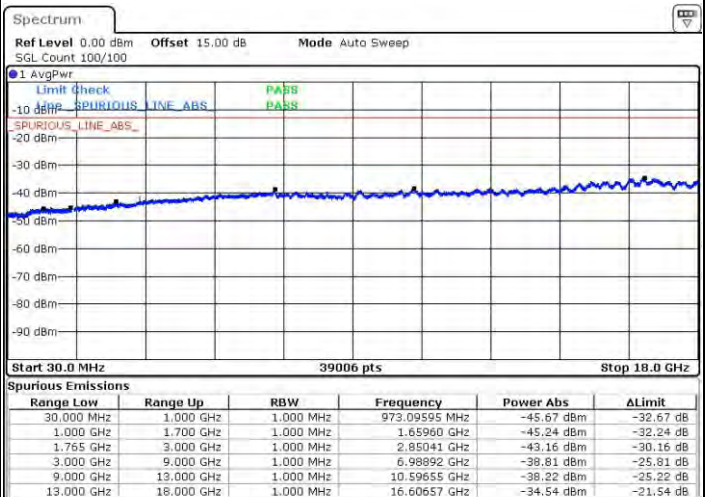
Date: 16.APR.2015 19:57:13

Middle Channel / QPSK



Date: 16.APR.2015 19:59:10

Middle Channel / 16QAM

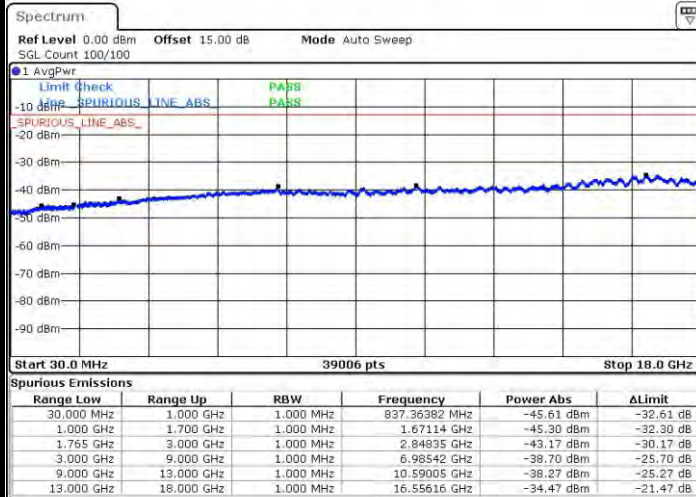


Date: 16.APR.2015 20:00:37



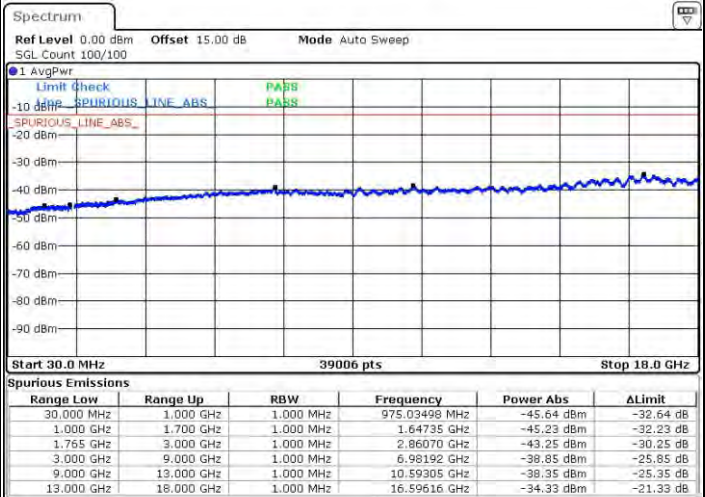
LTE Band 4 / 5MHz

Highest Channel / QPSK



Date: 16.APR.2015 20:08:05

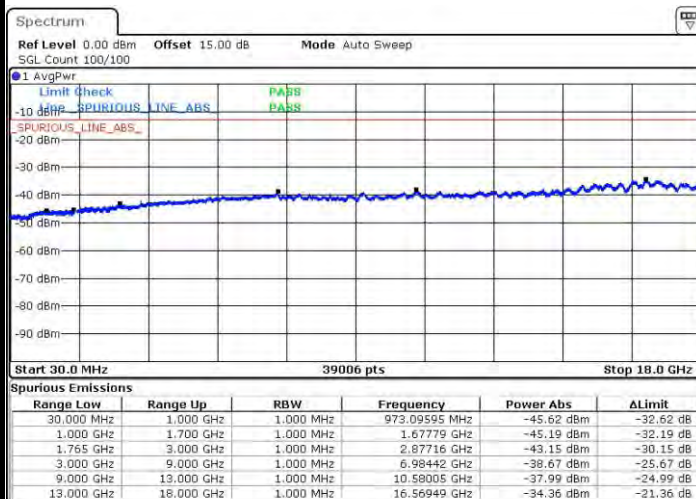
Highest Channel / 16QAM



Date: 16.APR.2015 20:08:25

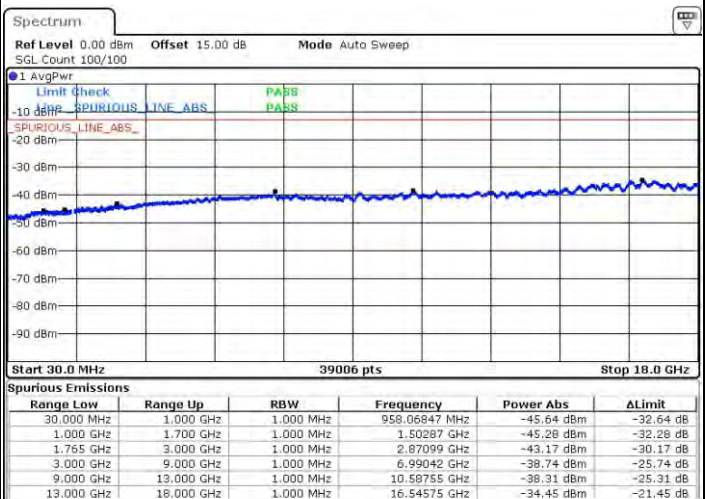
LTE Band 4 / 10MHz

Lowest Channel / QPSK



Date: 16.APR.2015 20:16:33

Lowest Channel / 16QAM

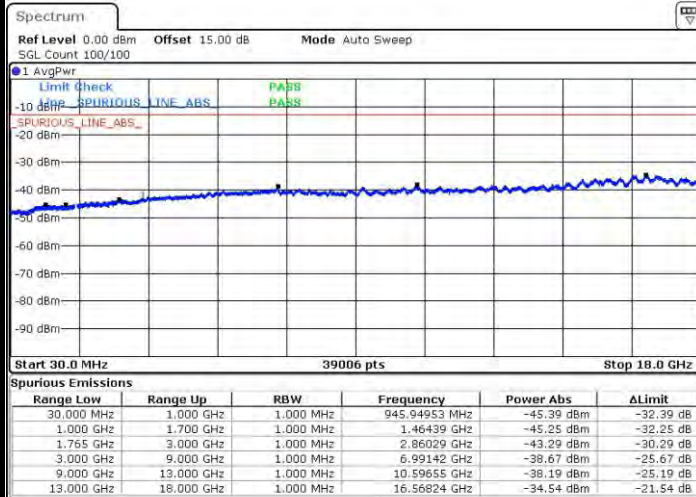


Date: 16.APR.2015 20:18:12



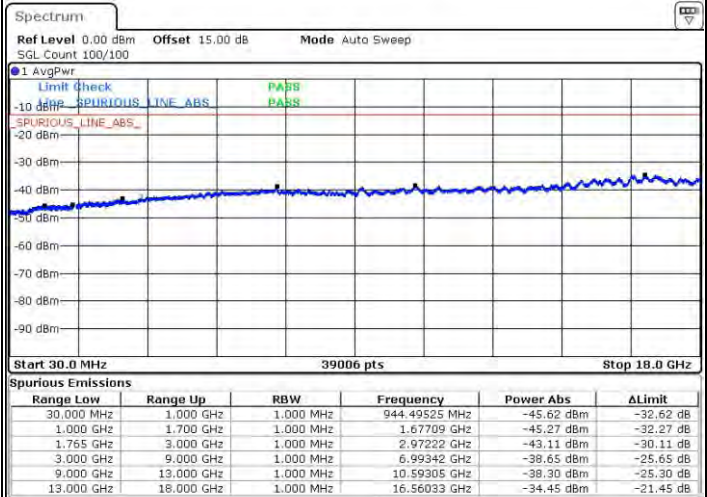
LTE Band 4 / 10MHz

Middle Channel / QPSK



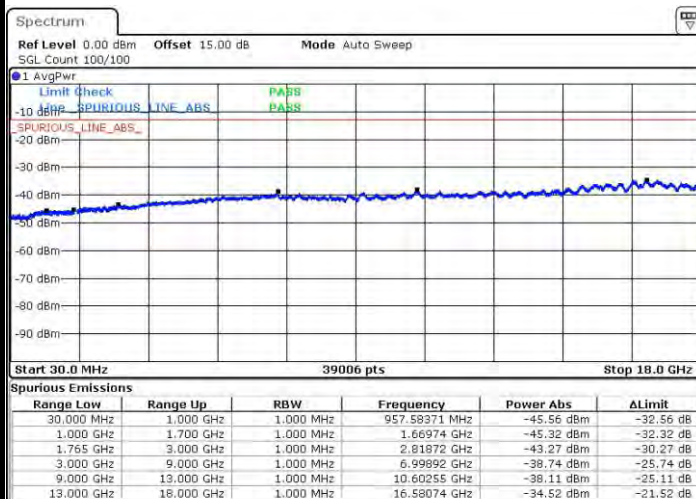
Date: 16.APR.2015 20:20:17

Middle Channel / 16QAM



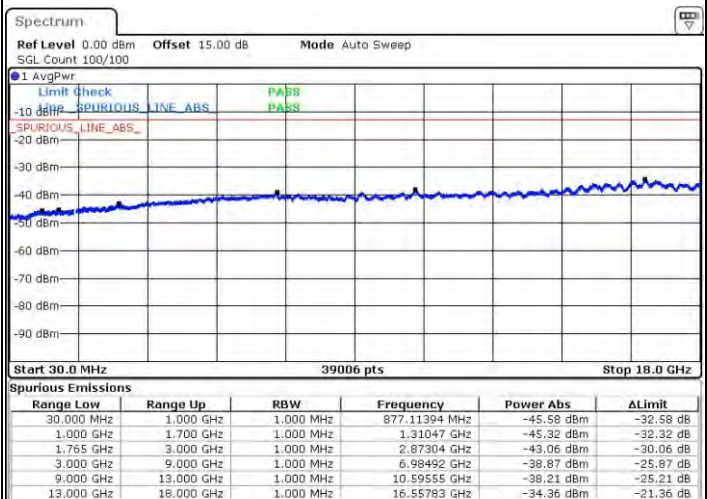
Date: 16.APR.2015 20:21:37

Highest Channel / QPSK



Date: 16.APR.2015 20:29:04

Highest Channel / 16QAM

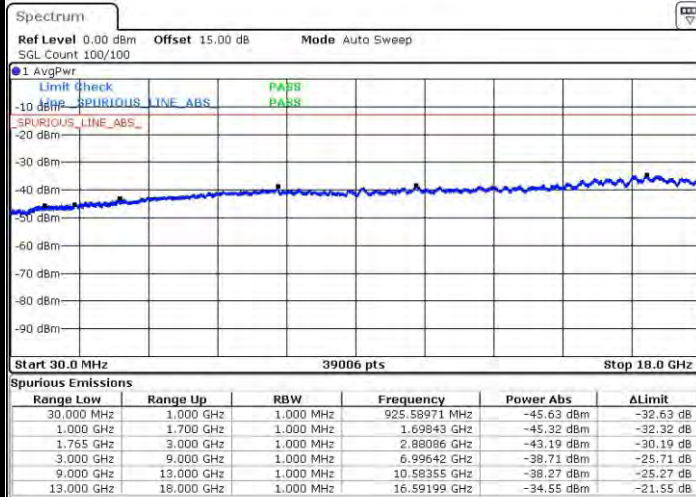


Date: 16.APR.2015 20:30:24



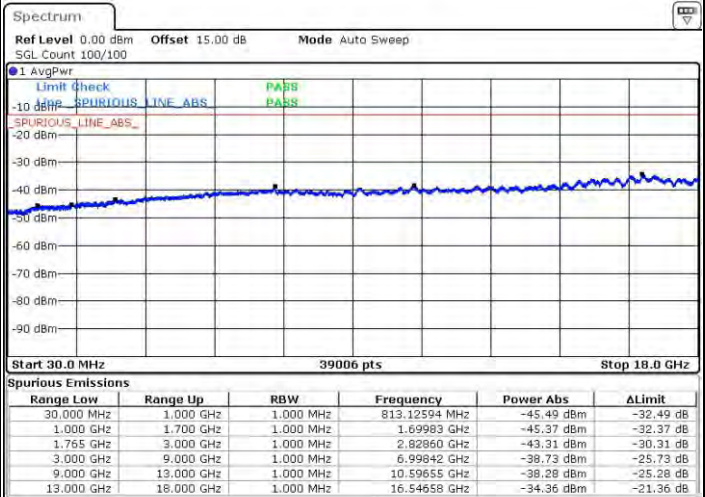
LTE Band 4 / 15MHz

Lowest Channel / QPSK



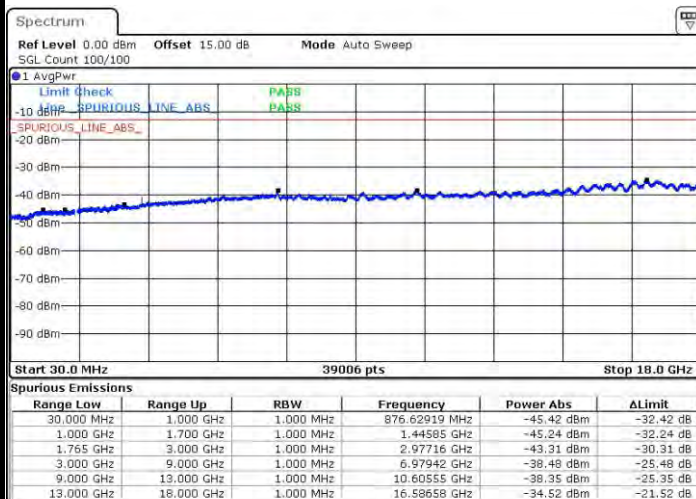
Date: 16.APR.2015 20:37:50

Lowest Channel / 16QAM



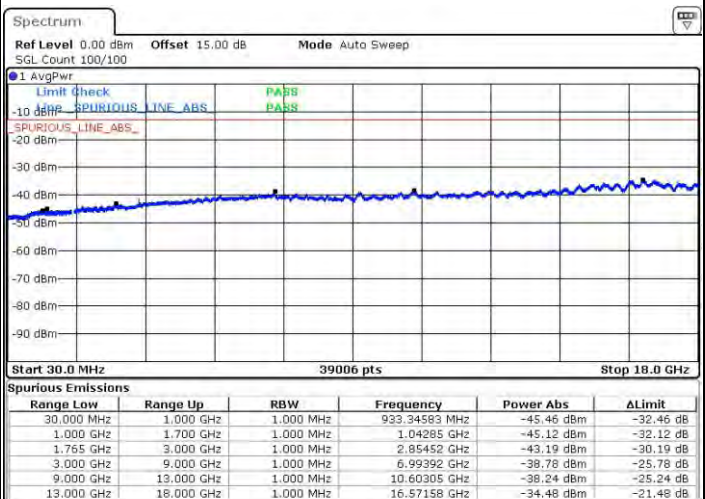
Date: 16.APR.2015 20:39:11

Middle Channel / QPSK



Date: 16.APR.2015 20:41:15

Middle Channel / 16QAM

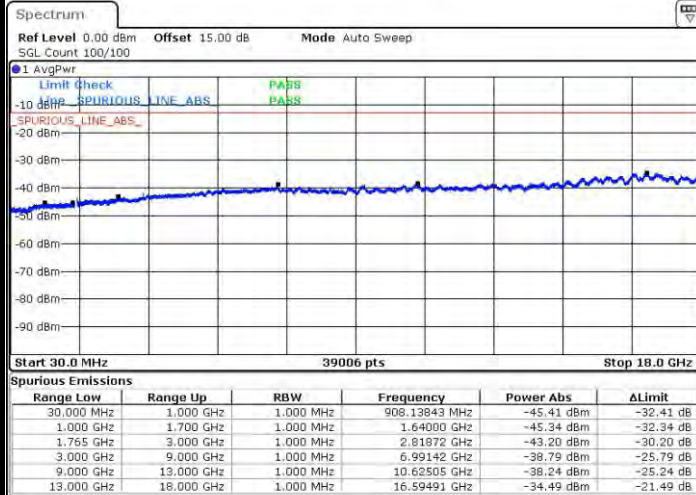


Date: 16.APR.2015 20:42:35



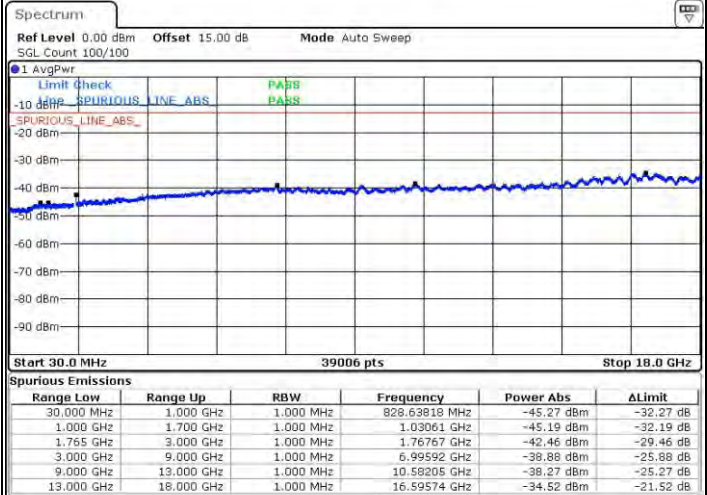
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 16.APR.2015 20:50:01

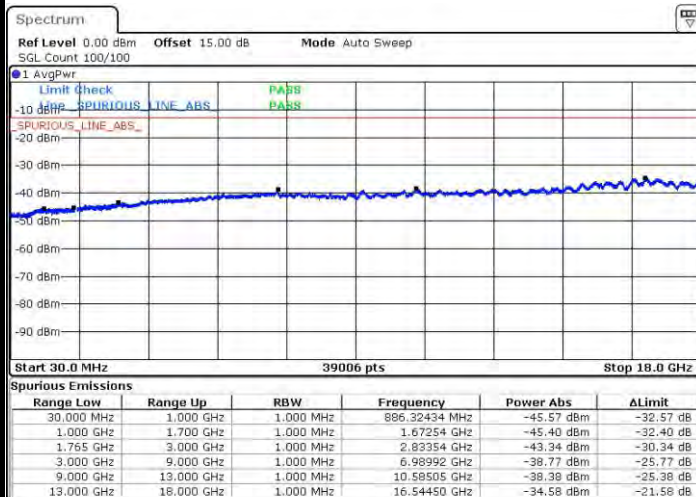
Highest Channel / 16QAM



Date: 16.APR.2015 20:51:21

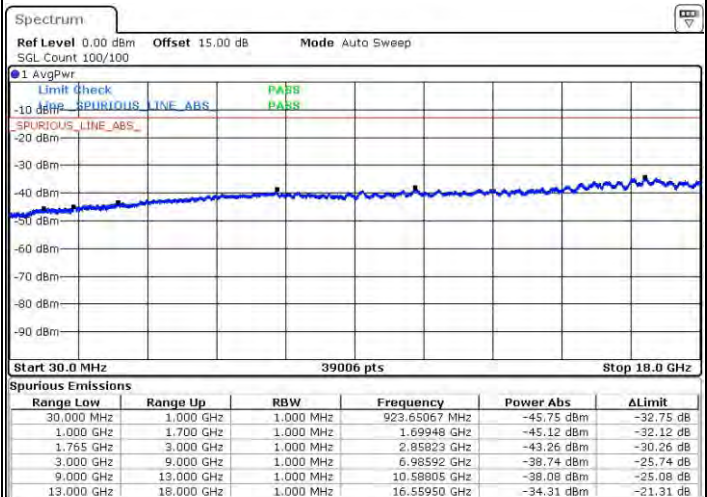
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 16.APR.2015 20:58:40

Lowest Channel / 16QAM

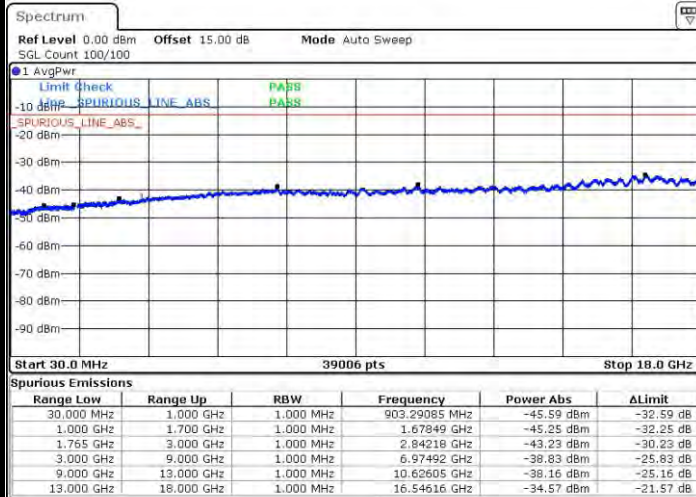


Date: 16.APR.2015 21:00:08



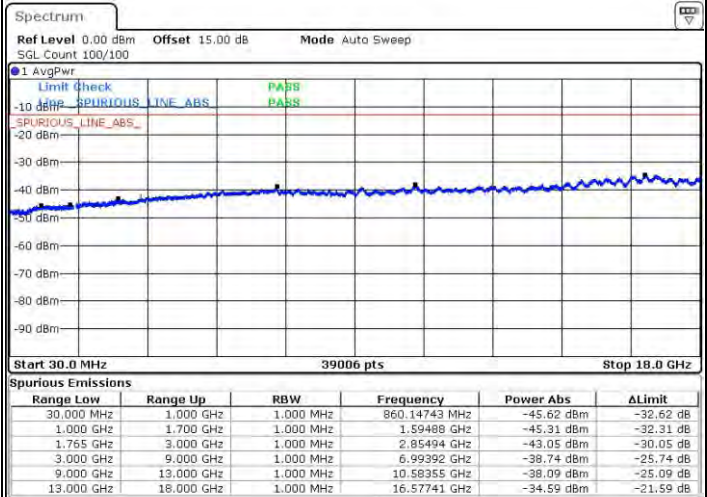
LTE Band 4 / 20MHz

Middle Channel / QPSK



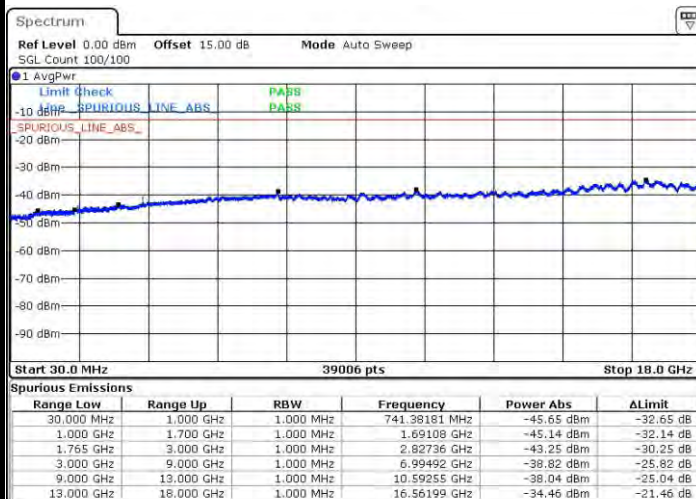
Date: 16.APR.2015 21:02:13

Middle Channel / 16QAM



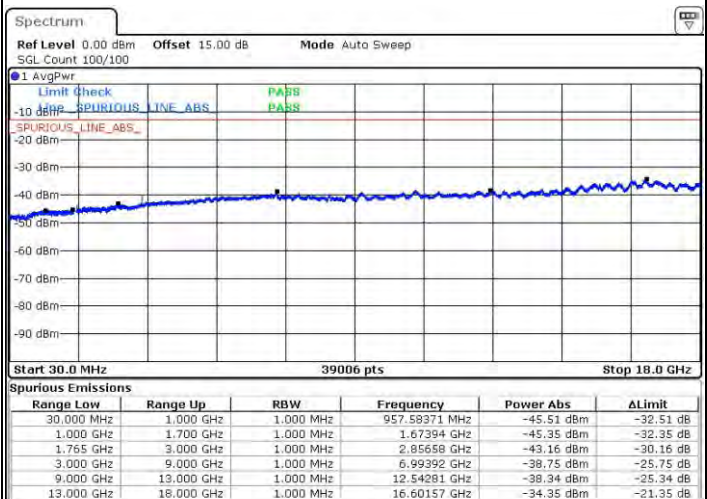
Date: 16.APR.2015 21:03:33

Highest Channel / QPSK



Date: 16.APR.2015 21:11:01

Highest Channel / 16QAM

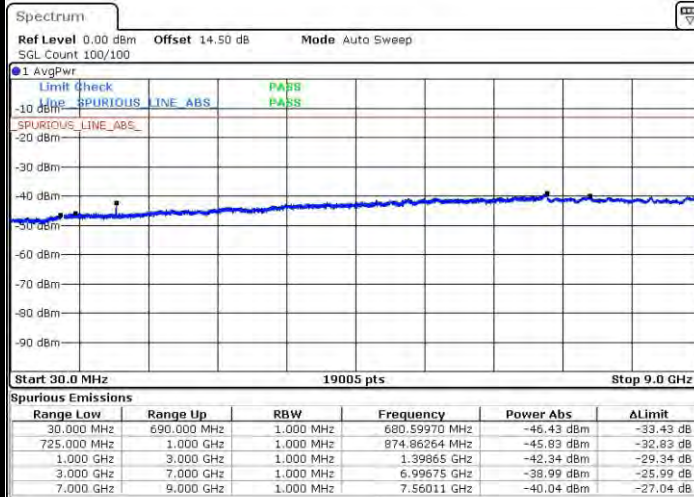


Date: 16.APR.2015 21:12:22



LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



Date: 21.APR.2015 12:52:05

Lowest Channel / 16QAM



Date: 21.APR.2015 12:53:25

Middle Channel / QPSK



Date: 21.APR.2015 12:55:30

Middle Channel / 16QAM

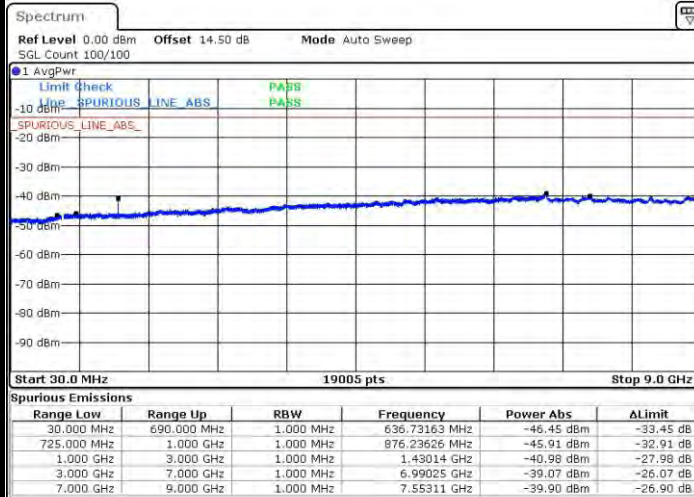


Date: 21.APR.2015 12:56:49



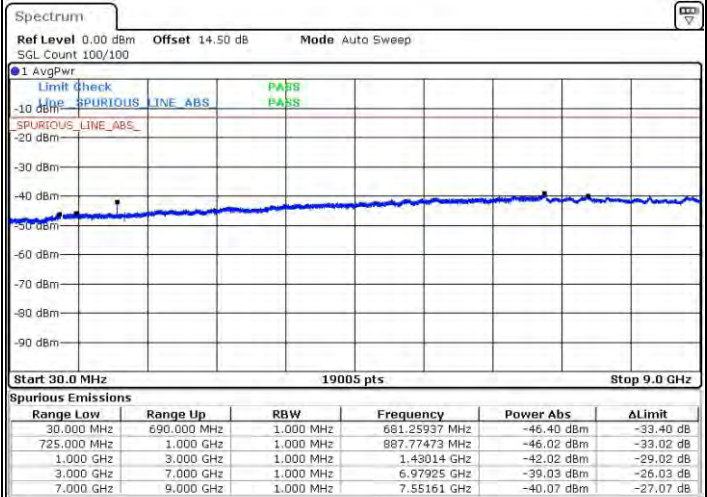
LTE Band 12 / 1.4MHz

Highest Channel / QPSK



Date: 21.APR.2015 13:05:42

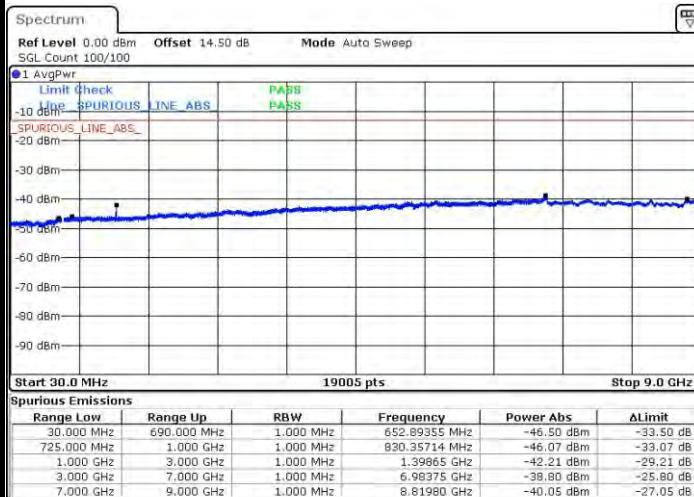
Highest Channel / 16QAM



Date: 21.APR.2015 13:07:01

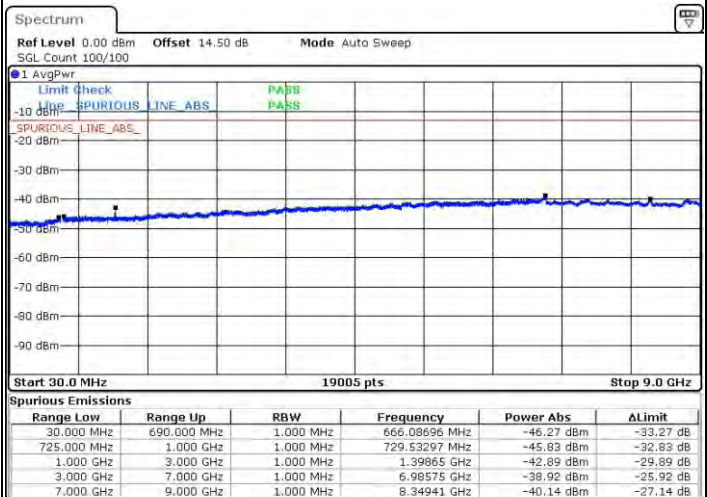
LTE Band 12 / 3MHz

Lowest Channel / QPSK



Date: 21.APR.2015 13:23:37

Lowest Channel / 16QAM

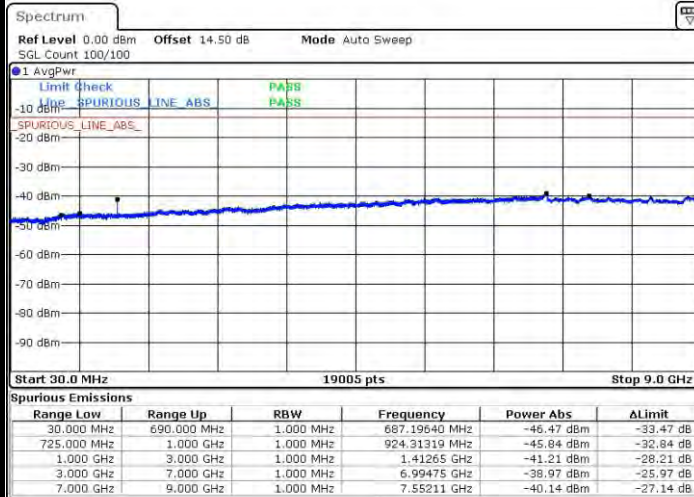


Date: 21.APR.2015 13:24:57



LTE Band 12 / 3MHz

Middle Channel / QPSK



Date: 21.APR.2015 13:27:01

Middle Channel / 16QAM



Date: 21.APR.2015 13:28:21

Highest Channel / QPSK



Date: 21.APR.2015 13:37:08

Highest Channel / 16QAM

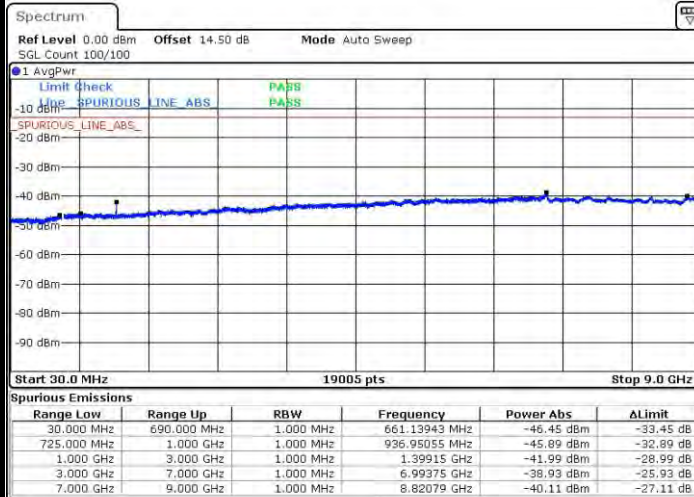


Date: 21.APR.2015 13:38:26



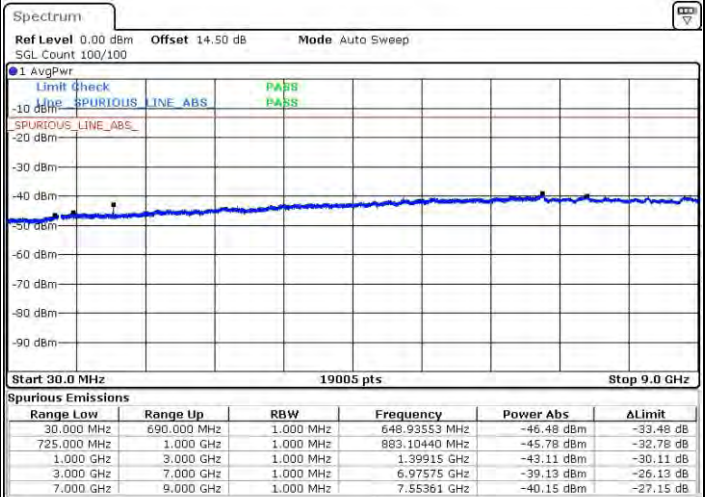
LTE Band 12 / 5MHz

Lowest Channel / QPSK



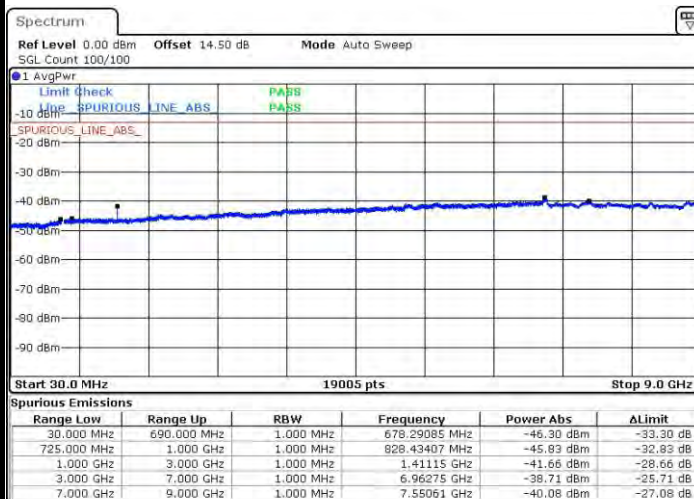
Date: 21.APR.2015 13:47:11

Lowest Channel / 16QAM



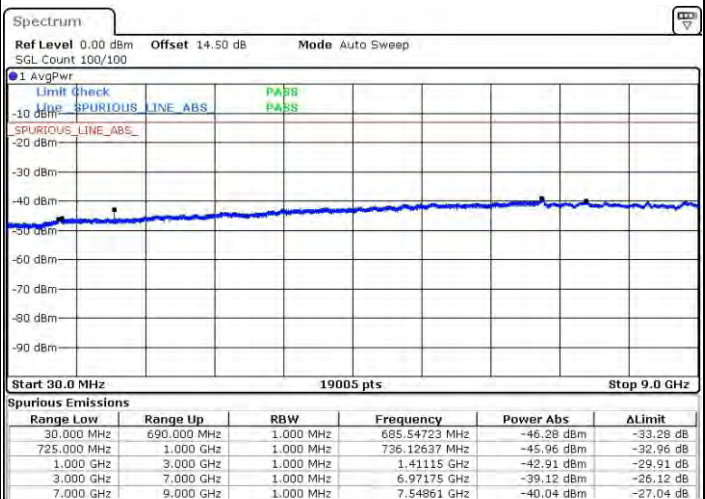
Date: 21.APR.2015 13:48:30

Middle Channel / QPSK



Date: 21.APR.2015 13:50:34

Middle Channel / 16QAM



Date: 21.APR.2015 13:51:34



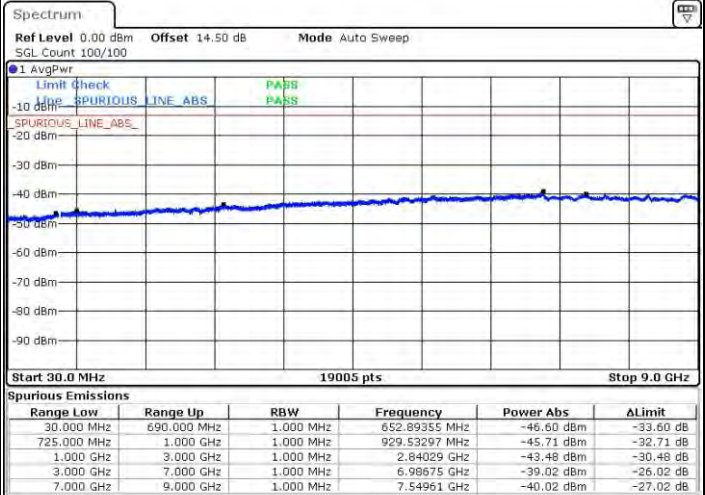
LTE Band 12 / 5MHz

Highest Channel / QPSK



Date: 21.APR.2015 14:00:37

Highest Channel / 16QAM



Date: 21.APR.2015 14:01:57

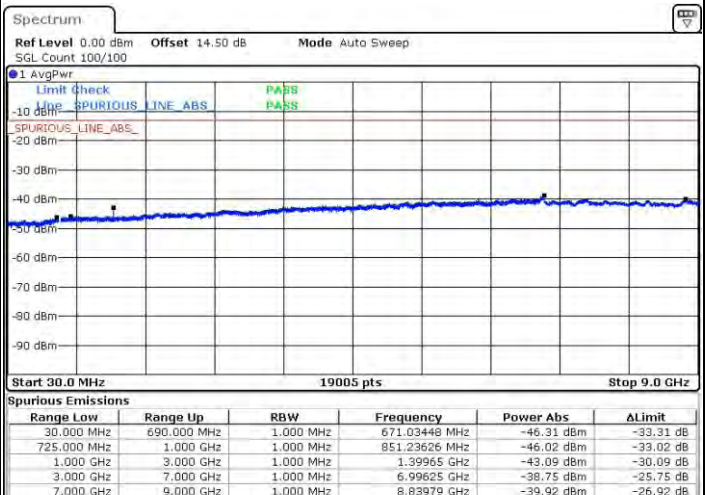
LTE Band 12 / 10MHz

Lowest Channel / QPSK



Date: 21.APR.2015 14:10:40

Lowest Channel / 16QAM



Date: 21.APR.2015 14:12:00



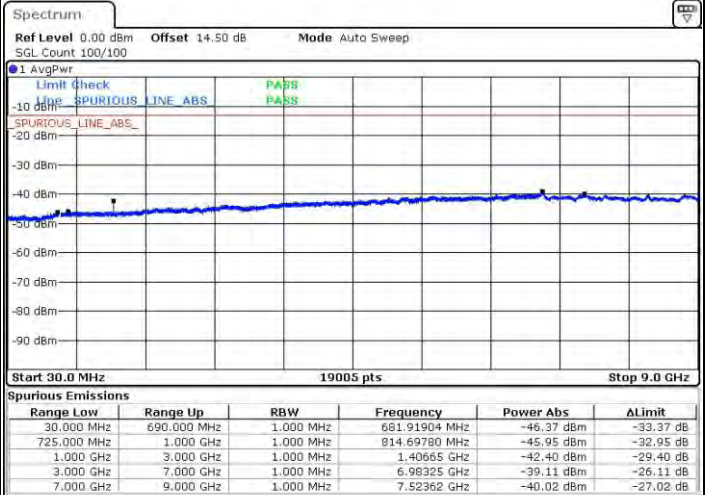
LTE Band 12 / 10MHz

Middle Channel / QPSK



Date: 21.APR.2015 14:14:04

Middle Channel / 16QAM



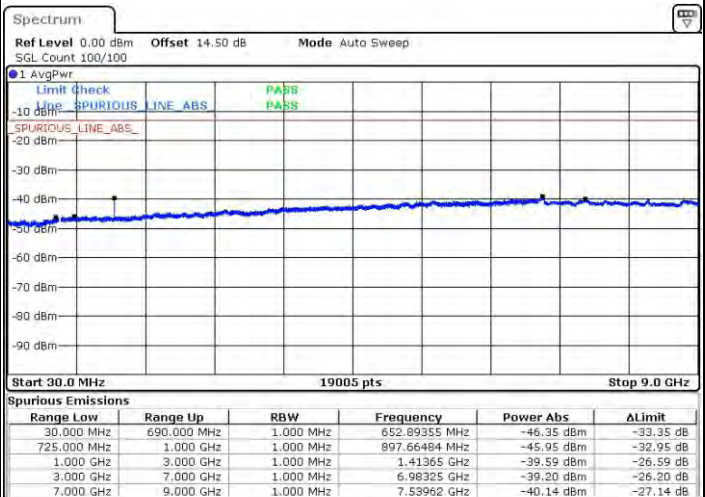
Date: 21.APR.2015 14:15:23

Highest Channel / QPSK



Date: 21.APR.2015 14:24:06

Highest Channel / 16QAM



Date: 21.APR.2015 14:25:26

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	0.0005	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0069	
-10	Normal Voltage	0.0064	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0000	
20	Normal Voltage	0.0005	
20	Battery End Point	0.0000	

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	0.0006	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0087	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0006	
20	Battery End Point	0.0012	

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	0.0014	PASS
40	Normal Voltage	0.0000	
30	Normal Voltage	0.0014	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0113	
0	Normal Voltage	0.0099	
-10	Normal Voltage	0.0127	
-20	Normal Voltage	0.0000	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0113	

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							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.90	0.1549	26.04	0.4018
Middle		1	0	22.12	0.1629	26.35	0.4315
Highest		1	0	22.45	0.1758	26.65	0.4624
Lowest	16QAM	1	5	20.57	0.1140	24.83	0.3041
Middle		1	5	21.89	0.1545	26.26	0.4227
Highest		1	0	21.44	0.1393	25.74	0.3750
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.01	0.1589	26.29	0.4256
Middle		1	0	22.52	0.1786	27.13	0.5164
Highest		1	0	22.66	0.1845	27.16	0.5200
Lowest	16QAM	1	0	21.12	0.1294	25.10	0.3236
Middle		1	0	20.96	0.1247	25.75	0.3758
Highest		1	7	21.70	0.1479	26.17	0.4140
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.39	0.1734	26.54	0.4508
Middle		1	0	22.64	0.1837	26.84	0.4831
Highest		1	0	22.37	0.1726	26.90	0.4898
Lowest	16QAM	1	0	21.29	0.1346	25.82	0.3819
Middle		1	0	21.87	0.1538	26.45	0.4416
Highest		1	0	21.48	0.1406	25.69	0.3707
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 10MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.81	0.1910	26.48	0.4446
Middle		1	0	22.69	0.1858	26.57	0.4539
Highest		1	0	22.47	0.1766	27.07	0.5093
Lowest	16QAM	1	24	21.80	0.1514	26.15	0.4121
Middle		1	24	21.77	0.1503	25.70	0.3715
Highest		1	0	21.97	0.1574	26.38	0.4345
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.13	0.1633	26.17	0.4140
Middle		1	0	22.95	0.1972	26.40	0.4365
Highest		1	0	22.78	0.1897	26.83	0.4819
Lowest	16QAM	1	0	21.39	0.1377	25.35	0.3428
Middle		1	37	21.25	0.1334	25.41	0.3475
Highest		1	0	21.19	0.1315	25.79	0.3793
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.65	0.1841	26.59	0.4560
Middle		1	0	23.23	0.2104	26.81	0.4797
Highest		1	0	22.83	0.1919	27.14	0.5176
Lowest	16QAM	1	0	22.02	0.1592	25.62	0.3648
Middle		1	0	22.22	0.1667	25.87	0.3864
Highest		1	0	22.13	0.1633	26.40	0.4365
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.45	0.2786	26.49	0.4457
Middle		1	0	24.03	0.2529	26.35	0.4315
Highest		1	0	23.49	0.2234	26.36	0.4325
Lowest	16QAM	1	5	23.53	0.2254	25.36	0.3436
Middle		1	2	23.63	0.2307	26.26	0.4227
Highest		1	0	22.64	0.1837	25.41	0.3475
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.56	0.2270	26.81	0.4797
Middle		1	0	23.64	0.2312	26.50	0.4467
Highest		1	0	24.02	0.2523	26.74	0.4721
Lowest	16QAM	1	0	21.87	0.1538	25.82	0.3819
Middle		1	7	23.03	0.2009	25.58	0.3614
Highest		1	0	22.96	0.1977	25.48	0.3532
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.00	0.1995	26.24	0.4207
Middle		1	0	23.40	0.2188	26.67	0.4645
Highest		1	0	24.25	0.2661	26.42	0.4385
Lowest	16QAM	1	12	23.03	0.2009	25.56	0.3597
Middle		1	12	21.98	0.1578	26.27	0.4236
Highest		1	12	22.52	0.1786	25.61	0.3639
Limit	EIRP < 1W			Result		PASS	



LTE Band 4/ 10MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.94	0.1968	26.17	0.4140
Middle		1	0	23.56	0.2270	26.44	0.4406
Highest		1	0	23.76	0.2377	26.41	0.4375
Lowest	16QAM	1	0	21.88	0.1542	26.09	0.4064
Middle		1	49	23.37	0.2173	25.79	0.3793
Highest		1	24	22.41	0.1742	25.60	0.3631
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.59	0.2286	26.53	0.4498
Middle		1	0	23.47	0.2223	26.77	0.4753
Highest		1	0	23.24	0.2109	26.68	0.4656
Lowest	16QAM	1	0	22.25	0.1679	25.29	0.3381
Middle		1	0	22.76	0.1888	25.60	0.3631
Highest		1	37	22.32	0.1706	25.40	0.3467
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.29	0.2133	26.47	0.4436
Middle		1	0	23.70	0.2344	26.68	0.4656
Highest		1	0	23.35	0.2163	26.69	0.4667
Lowest	16QAM	1	0	22.57	0.1807	25.85	0.3846
Middle		1	0	22.50	0.1778	25.44	0.3499
Highest		1	0	22.33	0.1710	25.23	0.3334
Limit	EIRP < 1W			Result		PASS	

LTE Band 12 / 1.4MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	20.88	0.1225	21.94	0.1563
Middle		1	0	21.03	0.1268	21.79	0.1510
Highest		3	2	21.03	0.1268	21.59	0.1442
Lowest	16QAM	3	2	20.33	0.1079	21.08	0.1282
Middle		3	2	20.67	0.1167	20.84	0.1213
Highest		3	2	20.11	0.1026	20.87	0.1222
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 3MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	21.42	0.1387	22.38	0.1730
Middle		1	0	21.65	0.1462	22.32	0.1706
Highest		1	7	21.38	0.1374	21.77	0.1503
Lowest	16QAM	1	14	20.45	0.1109	21.11	0.1291
Middle		1	14	20.14	0.1033	21.09	0.1285
Highest		1	7	20.04	0.1009	20.92	0.1236
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 5MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	20.63	0.1156	21.81	0.1517
Middle		1	0	20.81	0.1205	21.93	0.1560
Highest		1	12	20.71	0.1178	21.59	0.1442
Lowest	16QAM	1	12	19.88	0.0973	21.51	0.1416
Middle		1	0	20.83	0.1211	21.23	0.1327
Highest		1	12	19.86	0.0968	20.88	0.1225
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 10MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	21.01	0.1262	22.13	0.1633
Middle		1	0	21.46	0.1400	22.10	0.1622
Highest		1	0	20.79	0.1199	21.50	0.1413
Lowest	16QAM	1	49	20.18	0.1042	21.43	0.1390
Middle		1	24	20.32	0.1076	21.01	0.1262
Highest		1	49	21.10	0.1288	21.35	0.1365
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	3756	-32.57	-13	-19.57	-51.68	-39.19	1.68	8.31	H
	5639	-54.06	-13	-41.06	-77.95	-61.11	2.71	9.76	H
	7515	-51.88	-13	-38.88	-78.65	-61.26	2.42	11.81	H
	3756	-28.14	-13	-15.14	-48.12	-34.76	1.68	8.31	V
	5639	-53.28	-13	-40.28	-78.21	-60.33	2.71	9.76	V
	7515	-50.80	-13	-37.80	-79.02	-60.18	2.42	11.81	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	-32.54	-13	-19.54	-51.65	-39.16	1.68	8.31	H
	5639	-53.74	-13	-40.74	-77.64	-60.79	2.71	9.76	H
	7515	-51.39	-13	-38.39	-78.84	-60.77	2.42	11.81	H
	3756	-28.21	-13	-15.21	-48.19	-34.83	1.68	8.31	V
	5639	-53.21	-13	-40.21	-78.14	-60.26	2.71	9.76	V
	7515	-50.57	-13	-37.57	-78.79	-59.95	2.42	11.81	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	-33.04	-13	-20.04	52.15	-39.66	1.68	8.31	H
	5632	-54.14	-13	-41.14	78.04	-61.19	2.70	9.75	H
	7508	-52.43	-13	-39.43	78.79	-61.81	2.43	11.80	H
	3756	-28.23	-13	-15.23	-48.21	-34.85	1.68	8.31	V
	5632	-52.92	-13	-39.92	-77.85	-59.97	2.70	9.75	V
	7508	-50.57	-13	-37.57	-78.65	-59.95	2.43	11.80	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	-32.30	-13	-19.30	-51.41	-38.92	1.68	8.30	H
	5625	-54.01	-13	-41.01	-77.89	-61.06	2.70	9.75	H
	7501	-52.51	-13	-39.51	-78.87	-61.88	2.43	11.80	H
	3749	-28.54	-13	-15.54	-48.49	-35.16	1.68	8.30	V
	5625	-52.42	-13	-39.42	-77.89	-59.47	2.70	9.75	V
	7501	-50.81	-13	-37.81	-78.88	-60.18	2.43	11.80	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	3749	-32.93	-13	-19.93	-52.04	-39.55	1.68	8.30	H
	5618	-54.19	-13	-41.19	-78.07	-61.24	2.69	9.75	H
	7494	-52.50	-13	-39.50	-78.72	-61.86	2.43	11.79	H
	3749	-28.19	-13	-15.19	-48.16	-34.81	1.68	8.30	V
	5618	-53.08	-13	-40.08	-77.92	-60.13	2.69	9.75	V
	7494	-50.89	-13	-37.89	-78.81	-60.25	2.43	11.79	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	-34.37	-13	-21.37	-53.47	-40.98	1.68	8.29	H
	5611	-54.15	-13	-41.15	-78.03	-61.21	2.69	9.74	H
	7487	-52.82	-13	-39.82	-79.02	-62.16	2.43	11.77	H
	3742	-29.08	-13	-16.08	-49.05	-35.69	1.68	8.29	V
	5611	-53.16	-13	-40.16	-78.05	-60.22	2.69	9.74	V
	7487	-50.66	-13	-37.66	-78.91	-60	2.43	11.77	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	3462	-53.52	-13	-40.52	-71.07	-59.76	1.59	7.83	H
	5191	-54.83	-13	-41.83	-78.25	-62.08	2.45	9.70	H
	6924	-52.03	-13	-39.03	-78.3	-60.12	2.62	10.71	H
	3462	-49.15	-13	-36.15	-68.01	-55.39	1.59	7.83	V
	5191	-53.46	-13	-40.46	-77.78	-60.71	2.45	9.70	V
	6924	-50.79	-13	-37.79	-78.25	-58.88	2.62	10.71	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	-53.07	-13	-40.07	-70.78	-59.31	1.59	7.83	H
	5191	-54.83	-13	-41.83	-78.19	-62.08	2.45	9.70	H
	6924	-52.24	-13	-39.24	-78.42	-60.33	2.62	10.71	H
	3462	-48.58	-13	-35.58	-67.41	-54.82	1.59	7.83	V
	5191	-53.67	-13	-40.67	-78.12	-60.92	2.45	9.70	V
	6924	-50.93	-13	-37.93	-78.21	-59.02	2.62	10.71	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	-52.58	-13	-39.58	-70.03	-58.82	1.59	7.83	H
	5191	-54.81	-13	-41.81	-78.12	-62.06	2.45	9.70	H
	6924	-52.02	-13	-39.02	-78.28	-60.11	2.62	10.71	H
	3462	-48.58	-13	-35.58	-67.33	-54.82	1.59	7.83	V
	5191	-53.84	-13	-40.84	-78.21	-61.09	2.45	9.70	V
	6924	-51.03	-13	-38.03	-78.28	-59.12	2.62	10.71	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	-55.61	-13	-42.61	-73.24	-61.83	1.59	7.81	H
	5184	-55.45	-13	-42.45	-78.93	-62.71	2.44	9.70	H
	6912	-52.99	-13	-39.99	-79.19	-61.07	2.62	10.69	H
	3456	-50.84	-13	-37.84	-69.75	-57.06	1.59	7.81	V
	5184	-54.62	-13	-41.62	-78.9	-61.88	2.44	9.70	V
	6912	-51.81	-13	-38.81	-79.23	-59.89	2.62	10.69	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	3448	-52.65	-13	-39.65	-70.21	-58.83	1.59	7.77	H
	5170	-54.54	-13	-41.54	-77.74	-61.81	2.43	9.70	H
	6896	-52.31	-13	-39.31	-78.47	-60.36	2.62	10.68	H
	3448	-48.13	-13	-35.13	-66.97	-54.31	1.59	7.77	V
	5170	-53.34	-13	-40.34	-77.82	-60.61	2.43	9.70	V
	6896	-51.03	-13	-38.03	-78.48	-59.08	2.62	10.68	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	3448	-53.04	-13	-40.04	-70.69	-59.22	1.59	7.77	H
	5172	-54.83	-13	-41.83	-78.18	-62.09	2.44	9.70	H
	6896	-52.14	-13	-39.14	-78.34	-60.19	2.62	10.68	H
	3448	-47.64	-13	-34.64	-66.43	-53.82	1.59	7.77	V
	5172	-53.62	-13	-40.62	-78.03	-60.88	2.44	9.70	V
	6896	-50.84	-13	-37.84	-78.14	-58.89	2.62	10.68	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	1416	-59.34	-13.00	-46.34	-69.23	-61.09	0.87	4.78	H
	2120	-60.27	-13.00	-47.27	-74.16	-61.21	1.17	4.26	H
	2832	-59.31	-13.00	-46.31	-76.31	-61.43	1.39	5.67	H
	1416	-59.84	-13.00	-46.84	-69.94	-61.59	0.87	4.78	V
	2120	-57.14	-13.00	-44.14	-72.75	-58.08	1.17	4.26	V
	2832	-58.27	-13.00	-45.27	-76.19	-60.39	1.39	5.67	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	1408	-59.58	-13.00	-46.58	-69.30	-61.29	0.87	4.73	H
	2120	-59.94	-13.00	-46.94	-73.78	-60.88	1.17	4.26	H
	2832	-59.19	-13.00	-46.19	-76.03	-61.31	1.39	5.67	H
	1408	-59.21	-13.00	-46.21	-69.20	-60.92	0.87	4.73	V
	2120	-57.45	-13.00	-44.45	-72.99	-58.39	1.17	4.26	V
	2832	-58.16	-13.00	-45.16	-76.22	-60.28	1.39	5.67	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	1408	-59.28	-13.00	-46.28	-68.95	-60.99	0.87	4.73	H
	2112	-59.42	-13.00	-46.42	-73.13	-60.34	1.17	4.24	H
	2816	-59.34	-13.00	-46.34	-76.11	-61.45	1.39	5.65	H
	1408	-58.64	-13.00	-45.64	-68.64	-60.35	0.87	4.73	V
	2112	-56.99	-13.00	-43.99	-72.35	-57.91	1.17	4.24	V
	2816	-58.15	-13.00	-45.15	-76.10	-60.26	1.39	5.65	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	1408	-57.81	-13.00	-44.81	-67.76	-59.52	0.87	4.73	H
	2112	-59.86	-13.00	-46.86	-73.57	-60.78	1.17	4.24	H
	2816	-59.68	-13.00	-46.68	-76.37	-61.79	1.39	5.65	H
	1408	-56.62	-13.00	-43.62	-66.43	-58.33	0.87	4.73	V
	2112	-55.85	-13.00	-42.85	-71.09	-56.77	1.17	4.24	V
	2816	-57.97	-13.00	-44.97	-58.81	-60.08	1.39	5.65	V

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