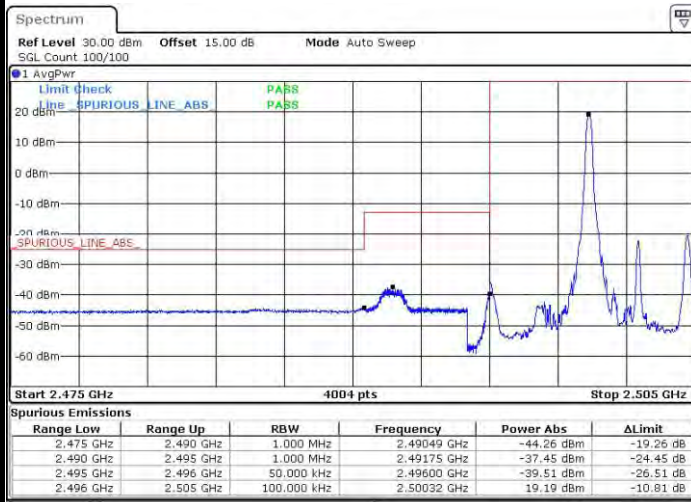




LTE Band 7 / 5MHz / QPSK

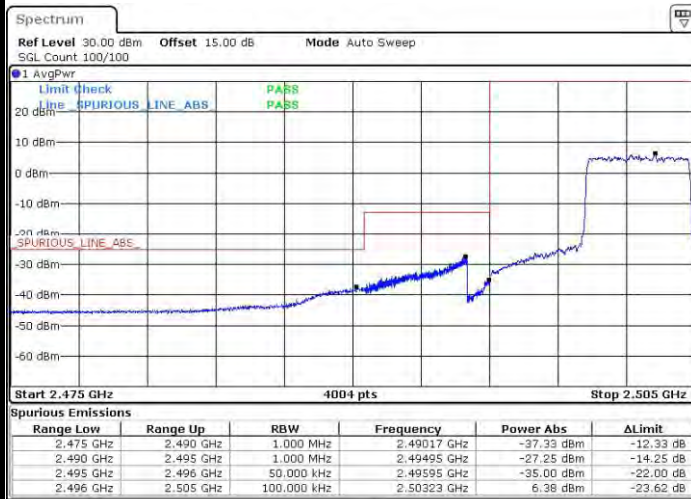
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



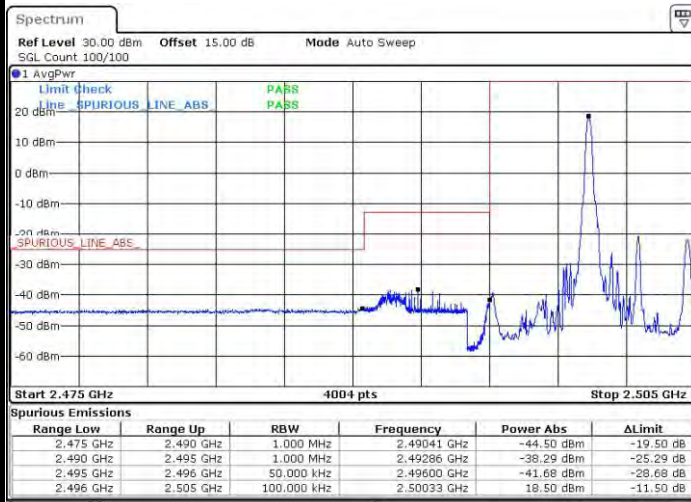
Highest Band Edge / Full RB





LTE Band 7 / 5MHz / 16QAM

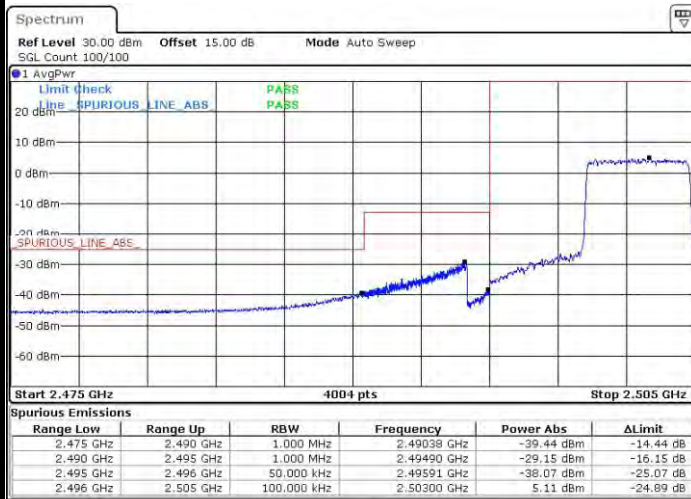
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



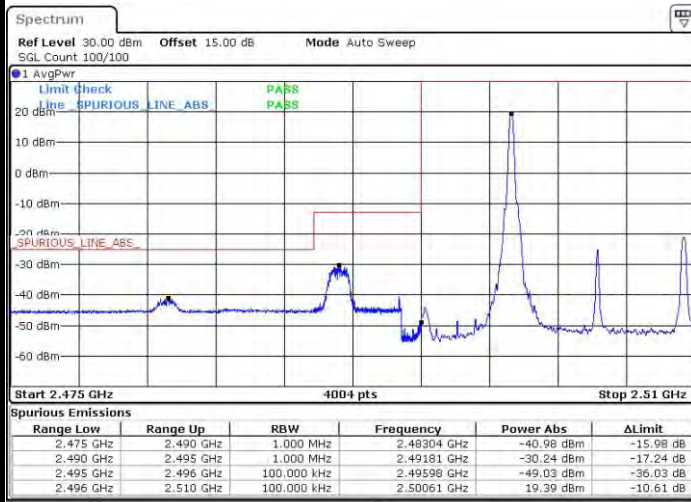
Highest Band Edge / Full RB



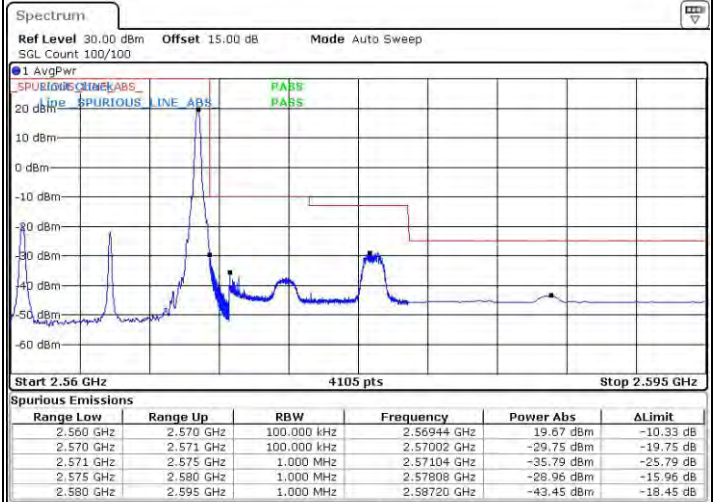


LTE Band 7 / 10MHz / QPSK

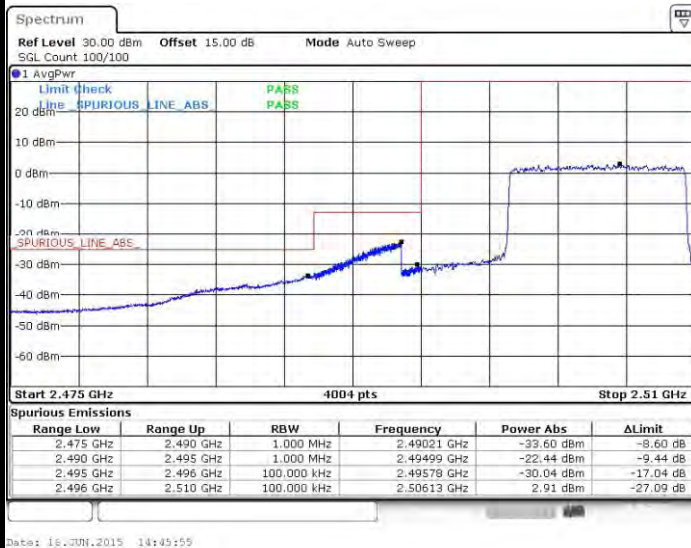
Lowest Band Edge / 1 RB



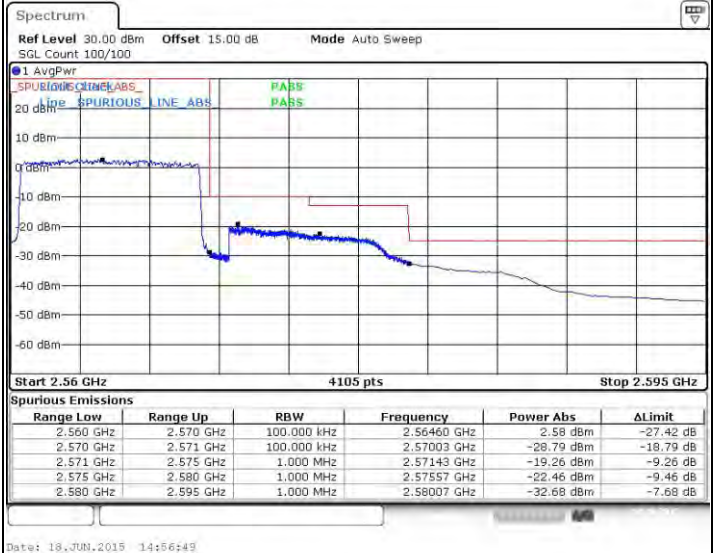
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



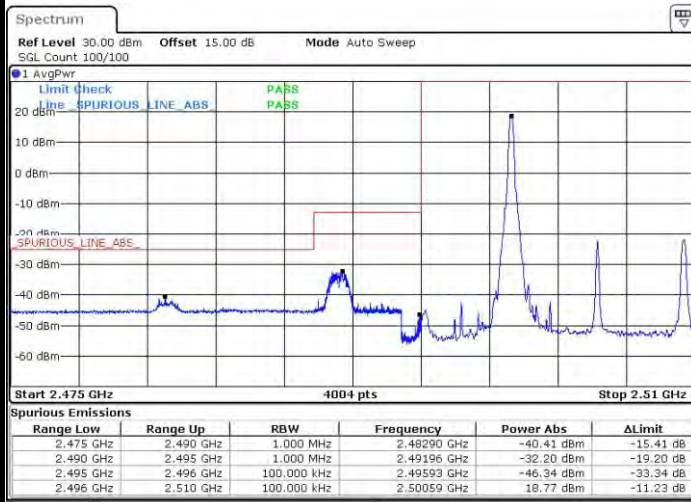
Highest Band Edge / Full RB





LTE Band 7 / 10MHz / 16QAM

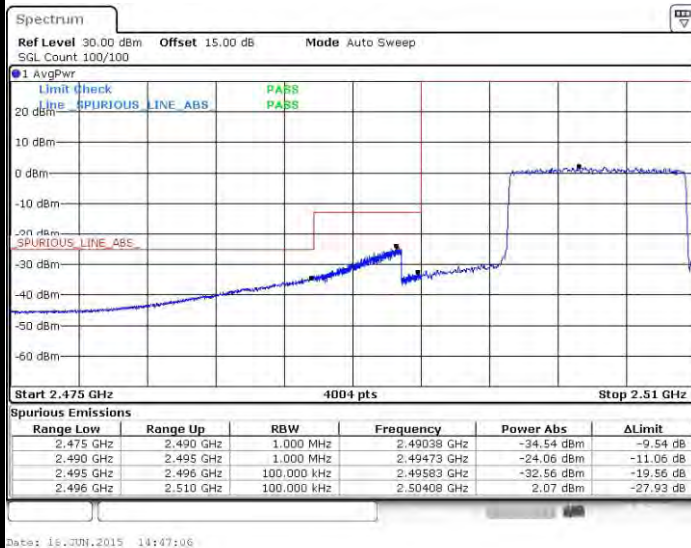
Lowest Band Edge / 1 RB



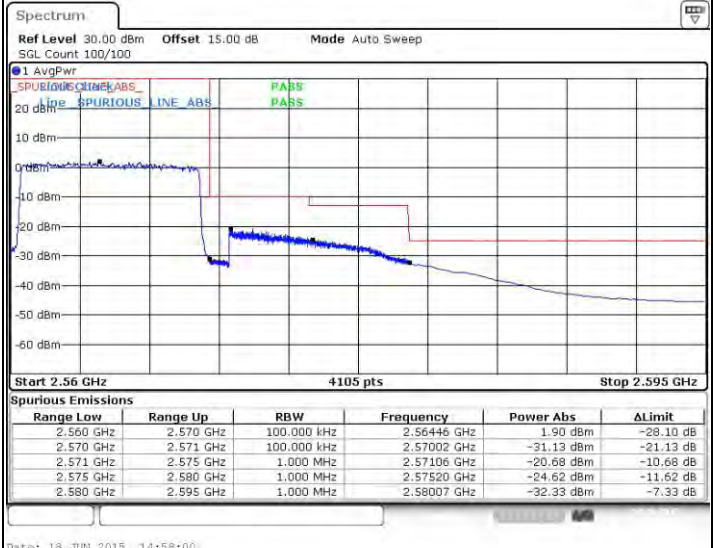
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



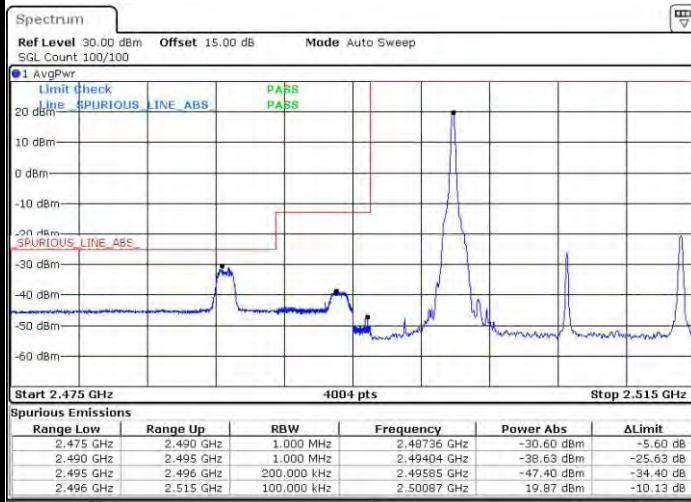
Highest Band Edge / Full RB



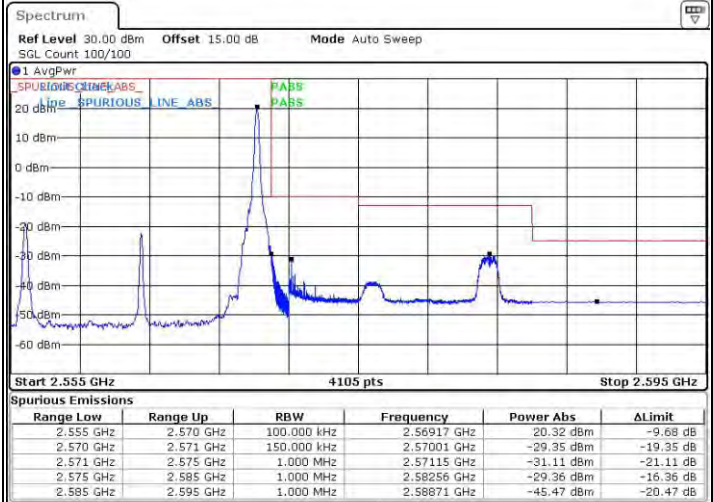


LTE Band 7 / 15MHz / QPSK

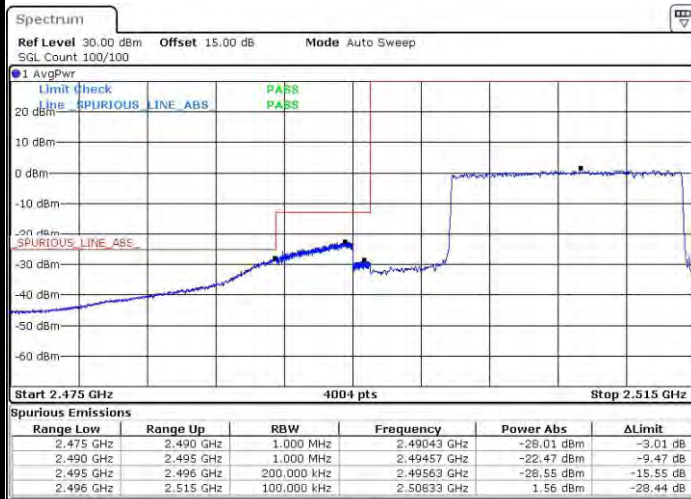
Lowest Band Edge / 1 RB



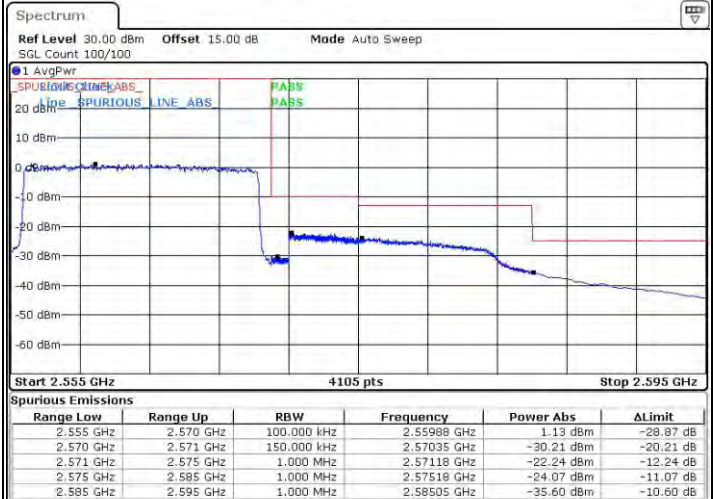
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



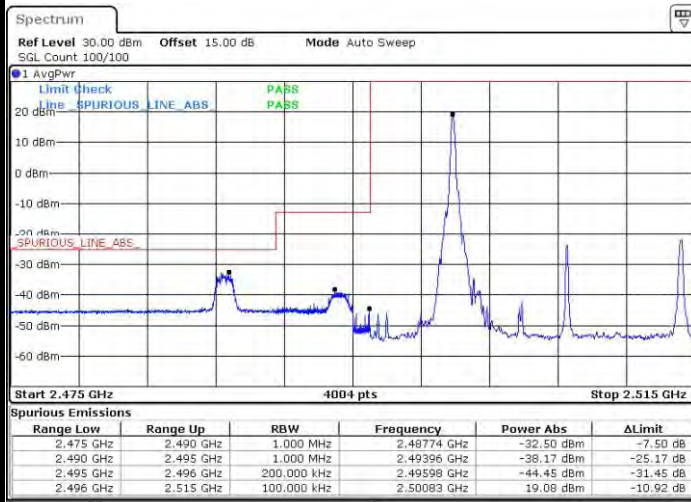
Highest Band Edge / Full RB



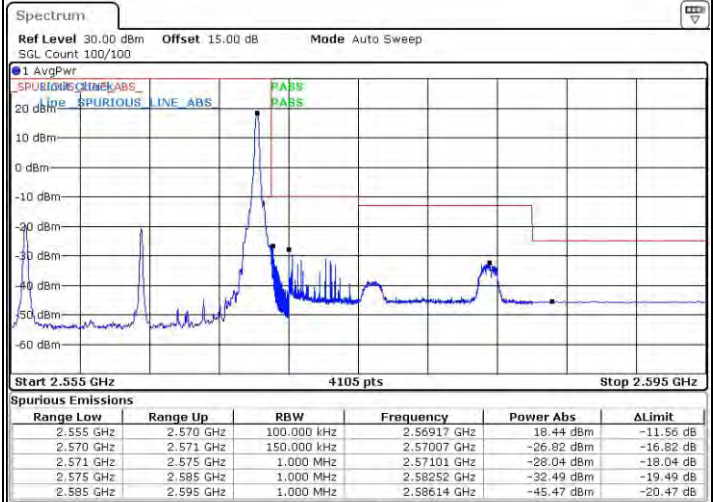


LTE Band 7 / 15MHz / 16QAM

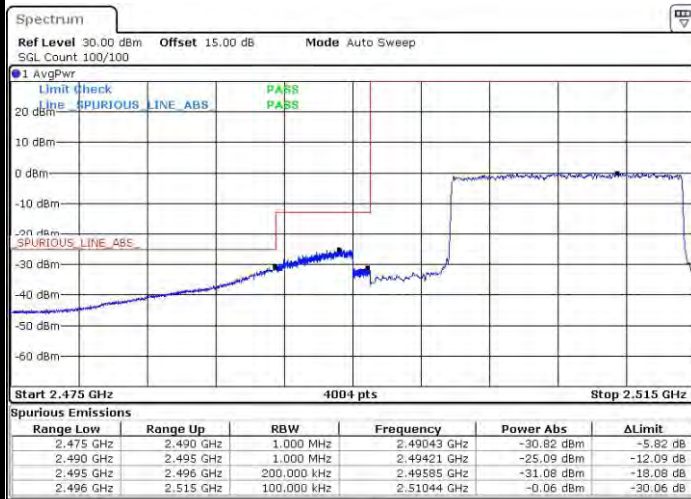
Lowest Band Edge / 1 RB



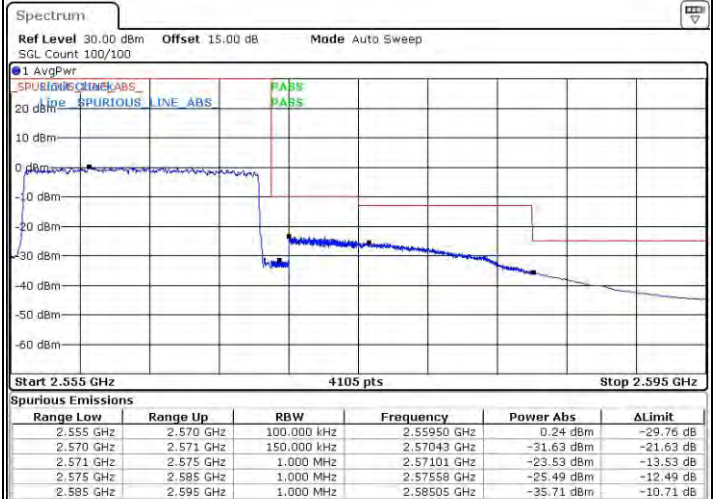
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



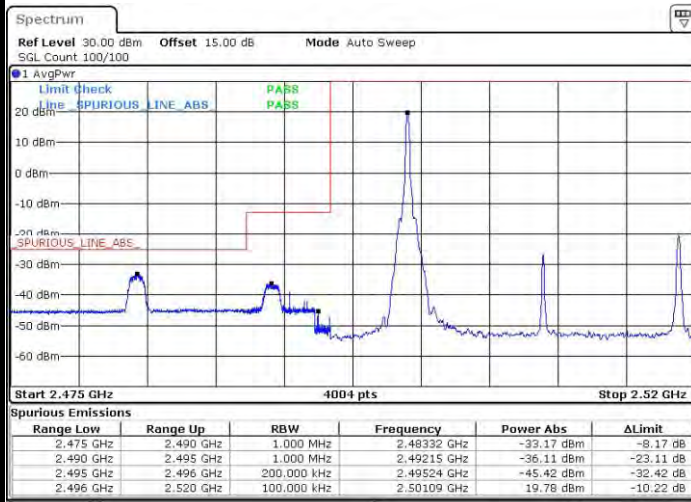
Highest Band Edge / Full RB





LTE Band 7 / 20MHz / QPSK

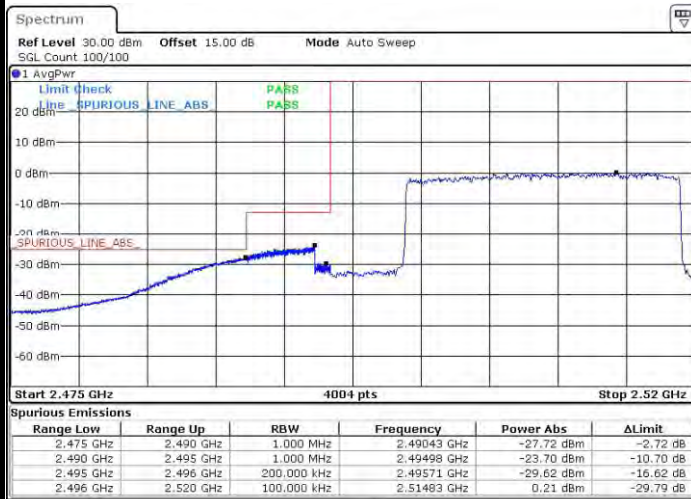
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



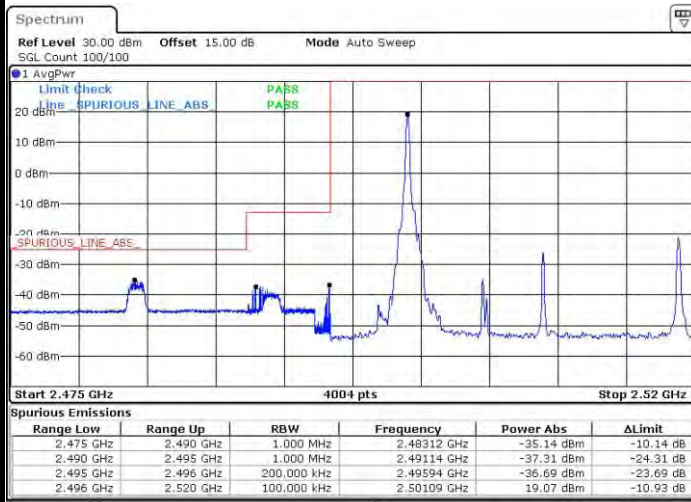
Highest Band Edge / Full RB



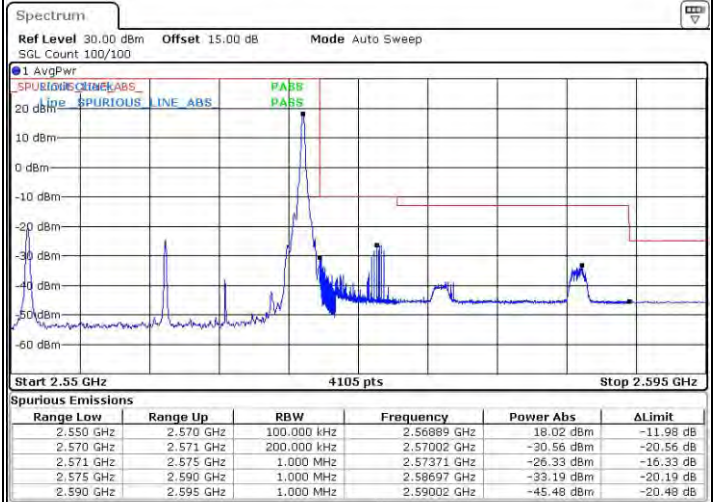


LTE Band 7 / 20MHz / 16QAM

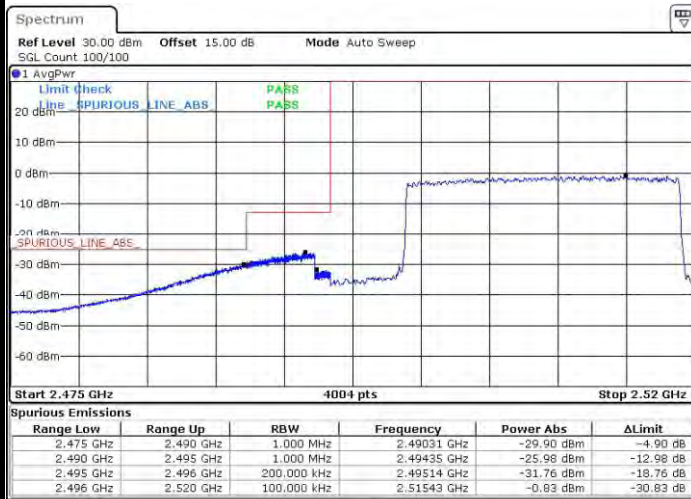
Lowest Band Edge / 1 RB



Highest Band Edge / 1RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



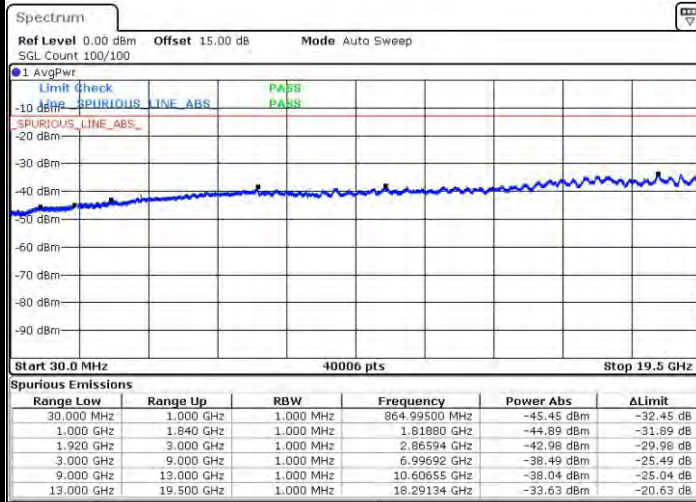


Conducted Spurious Emission



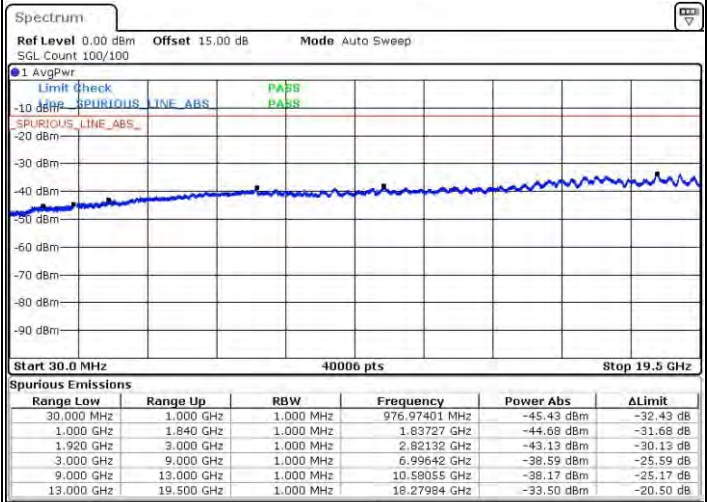
LTE Band 2 / 1.4MHz

Lowest Channel / QPSK



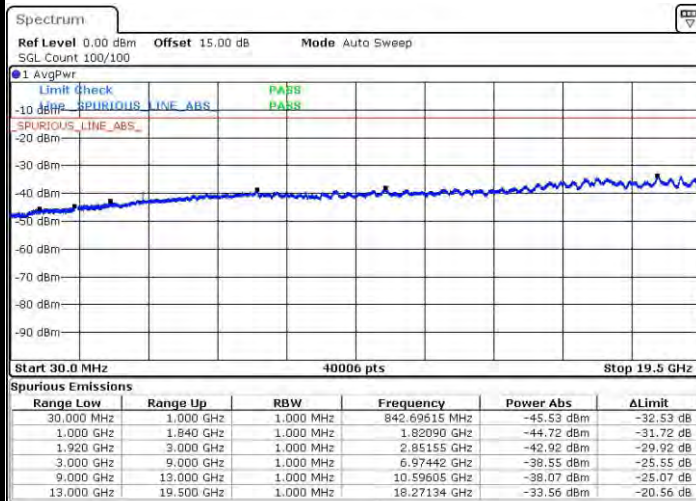
Date: 17.JUN.2015 16:20:27

Lowest Channel / 16QAM



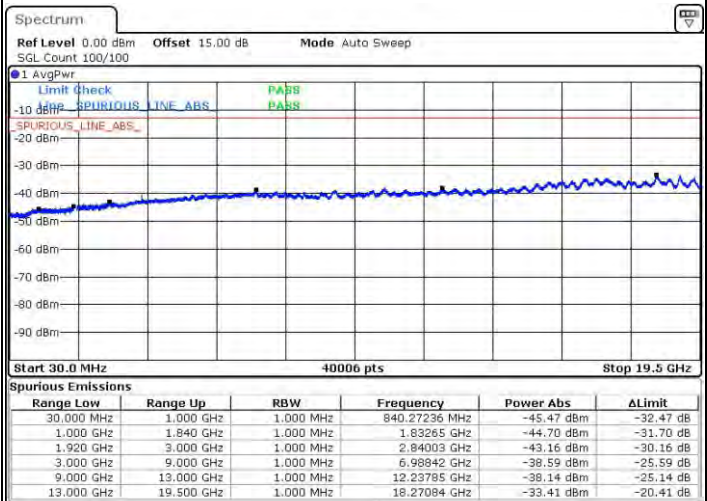
Date: 17.JUN.2015 16:21:29

Middle Channel / QPSK



Date: 17.JUN.2015 16:23:39

Middle Channel / 16QAM

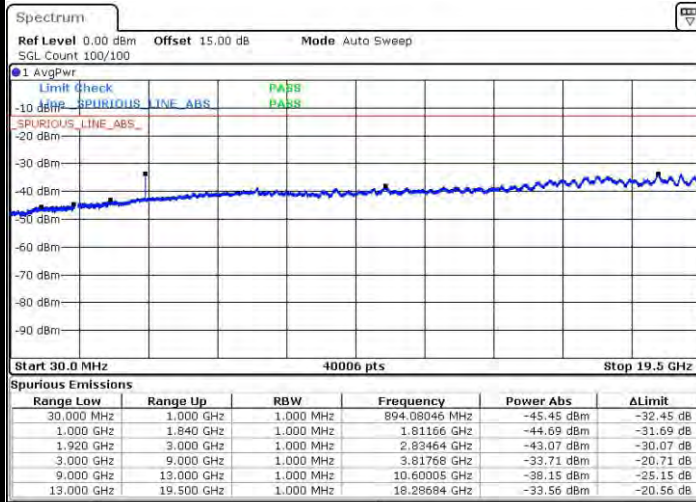


Date: 17.JUN.2015 16:24:31



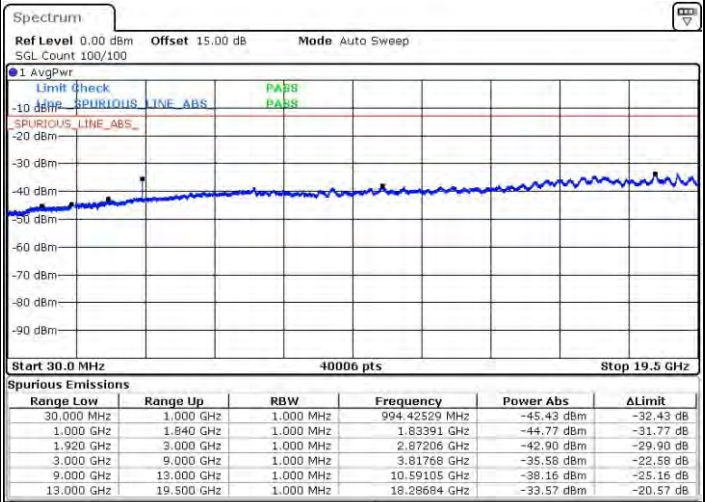
LTE Band 2 / 1.4MHz

Highest Channel / QPSK



Date: 17.JUN.2015 16:31:30

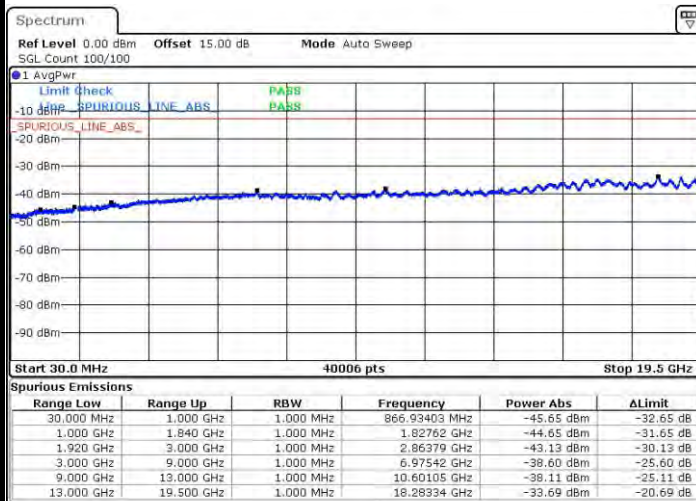
Highest Channel / 16QAM



Date: 17.JUN.2015 16:32:43

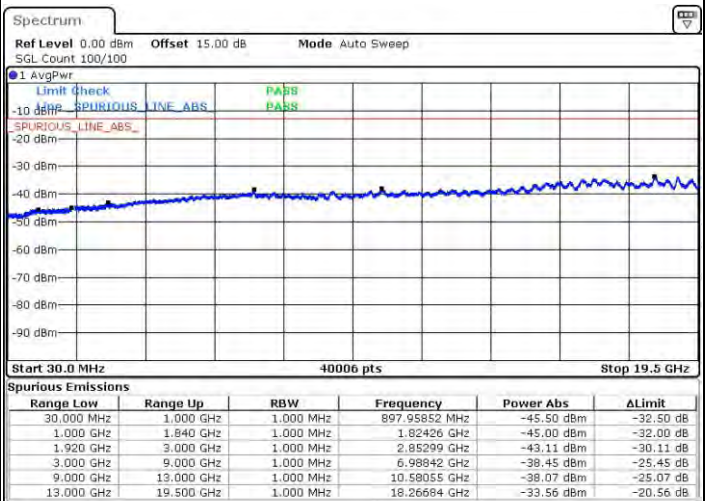
LTE Band 2 / 3MHz

Lowest Channel / QPSK



Date: 17.JUN.2015 16:39:24

Lowest Channel / 16QAM

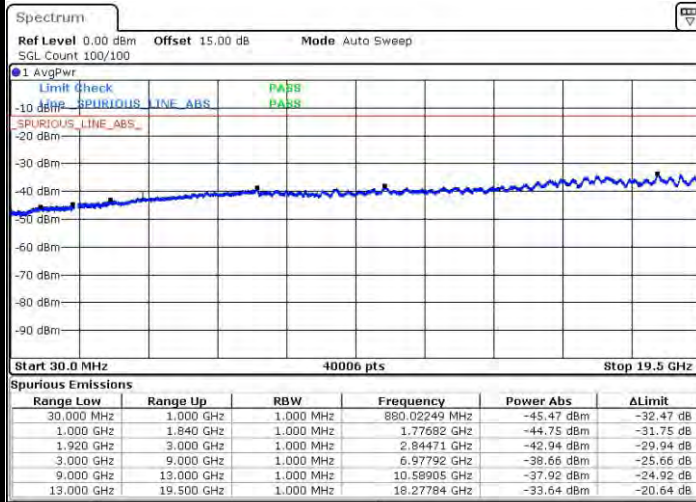


Date: 17.JUN.2015 16:40:40



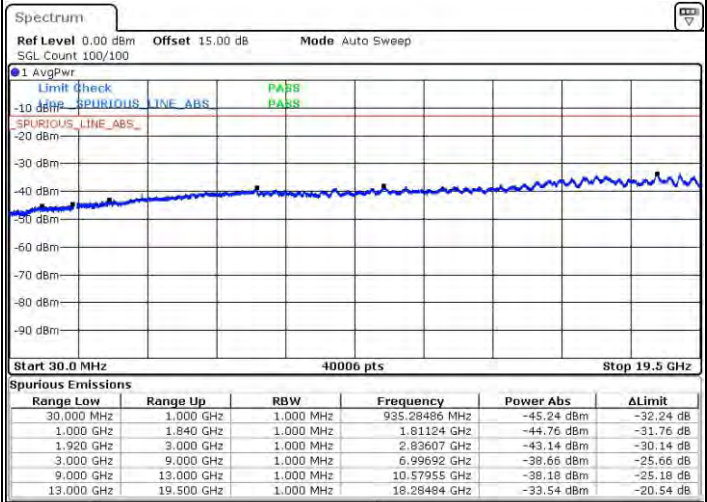
LTE Band 2 / 3MHz

Middle Channel / QPSK



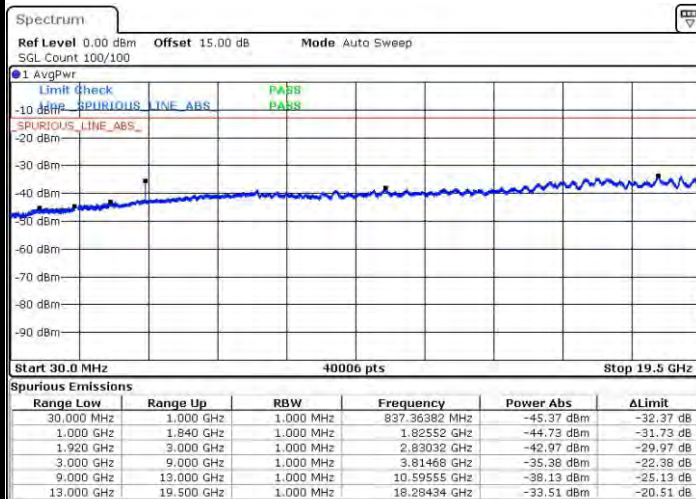
Date: 17.JUN.2015 16:49:16

Middle Channel / 16QAM



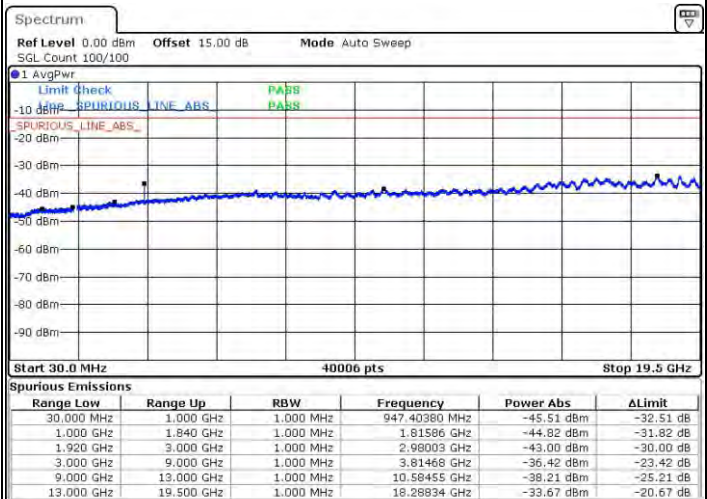
Date: 17.JUN.2015 16:50:28

Highest Channel / QPSK



Date: 17.JUN.2015 16:57:07

Highest Channel / 16QAM

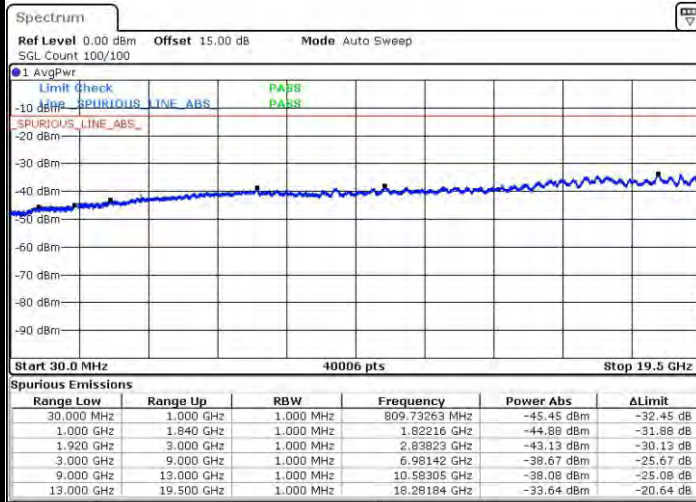


Date: 17.JUN.2015 16:58:19



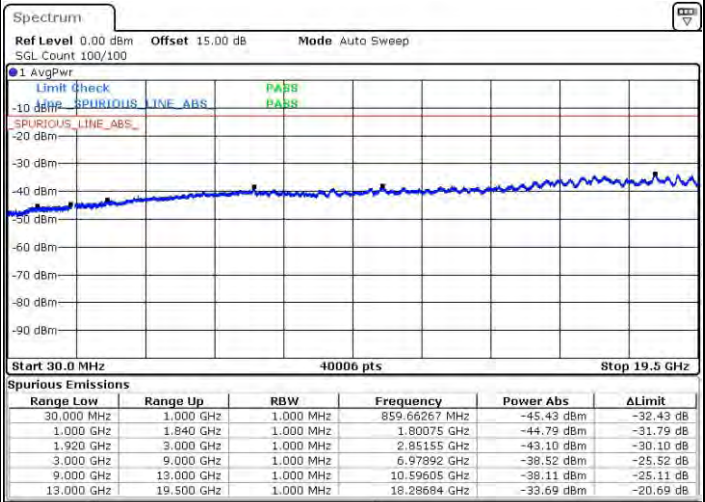
LTE Band 2 / 5MHz

Lowest Channel / QPSK



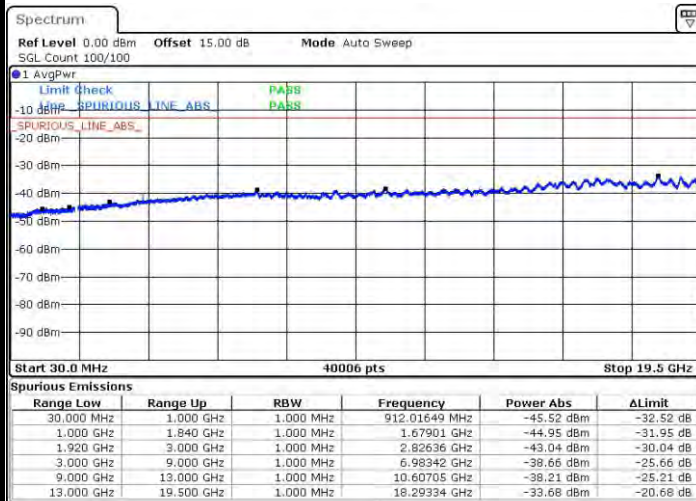
Date: 17.JUN.2015 17:04:59

Lowest Channel / 16QAM



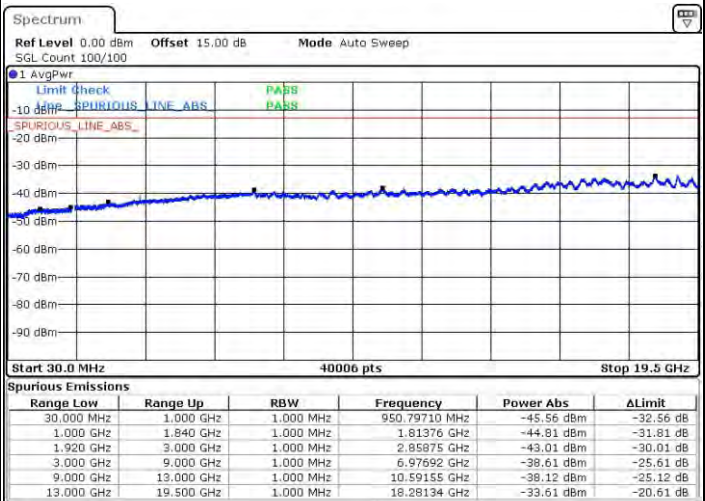
Date: 17.JUN.2015 17:06:11

Middle Channel / QPSK



Date: 17.JUN.2015 17:08:10

Middle Channel / 16QAM

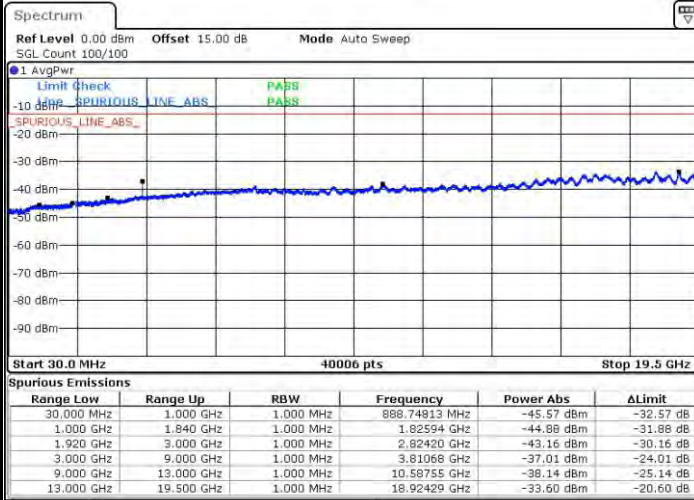


Date: 17.JUN.2015 17:09:22



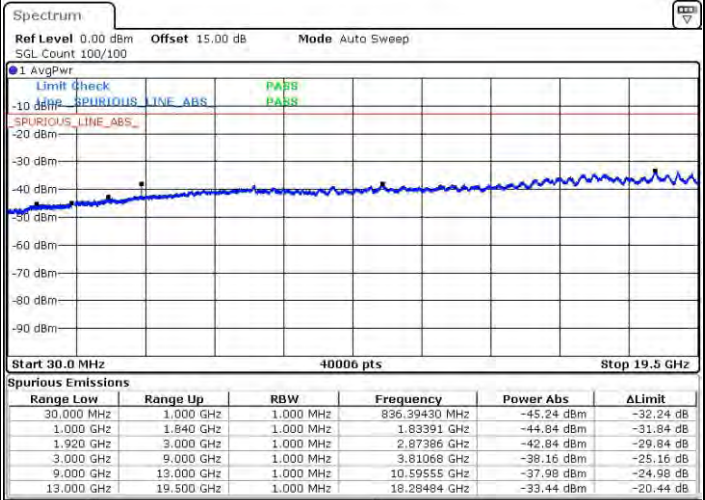
LTE Band 2 / 5MHz

Highest Channel / QPSK



Date: 17.JUN.2015 17:16:25

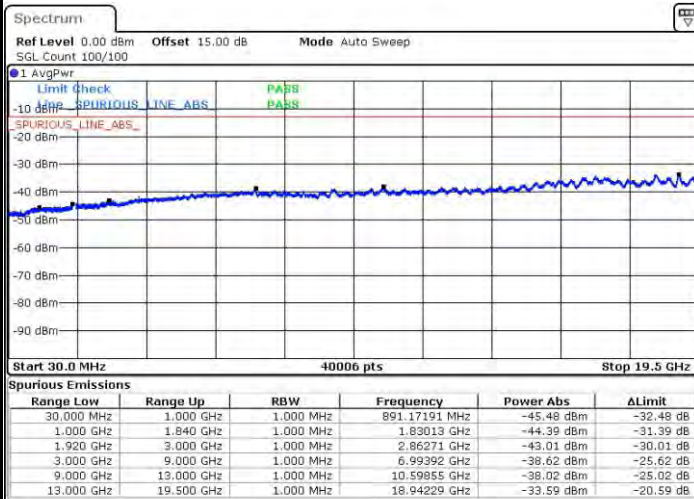
Highest Channel / 16QAM



Date: 17.JUN.2015 17:17:38

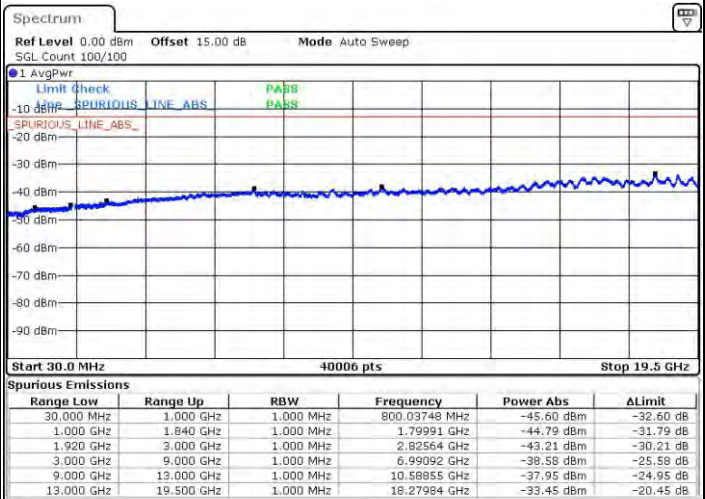
LTE Band 2 / 10MHz

Lowest Channel / QPSK



Date: 17.JUN.2015 17:24:18

Lowest Channel / 16QAM

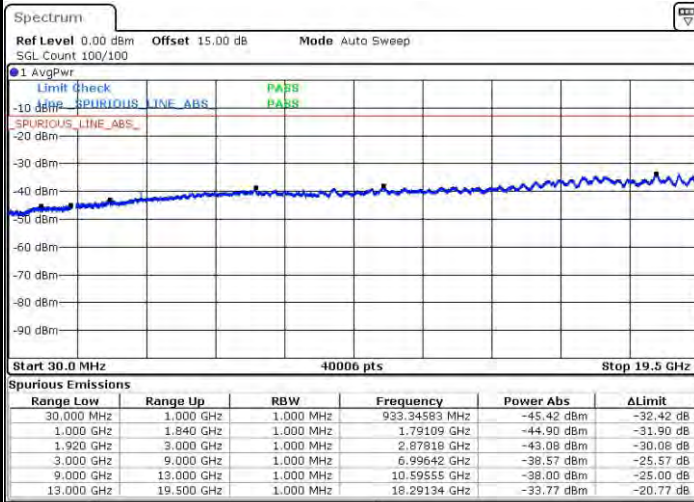


Date: 17.JUN.2015 17:25:29



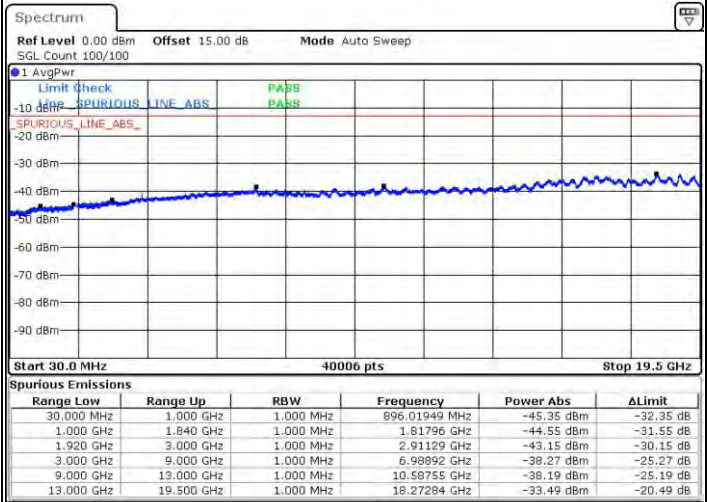
LTE Band 2 / 10MHz

Middle Channel / QPSK



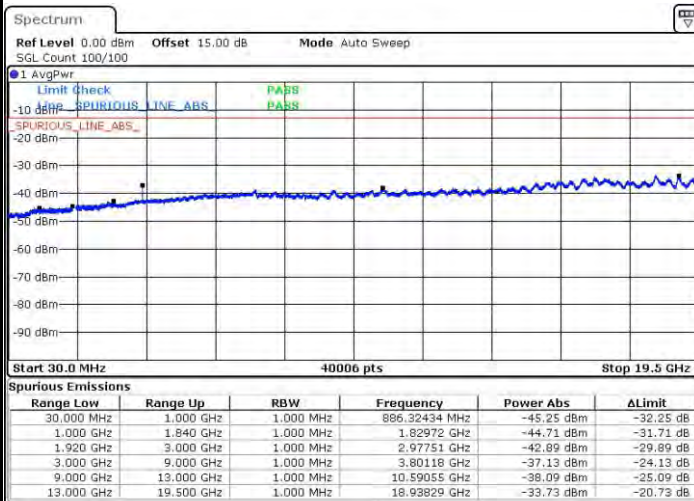
Date: 17.JUN.2015 17:27:28

Middle Channel / 16QAM



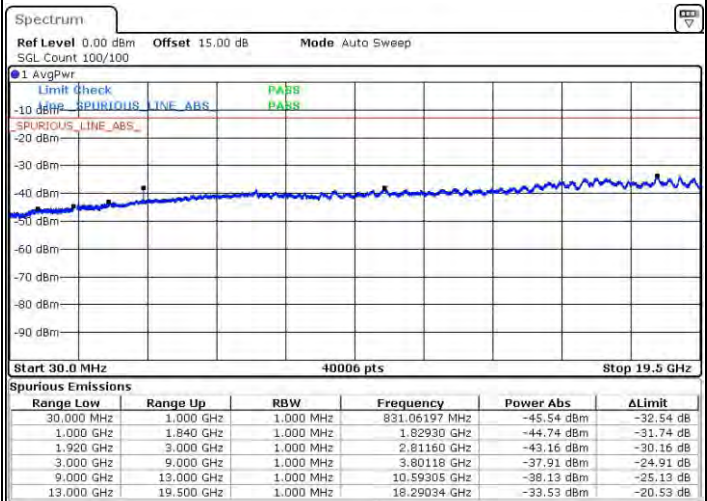
Date: 17.JUN.2015 17:28:40

Highest Channel / QPSK



Date: 17.JUN.2015 17:35:19

Highest Channel / 16QAM

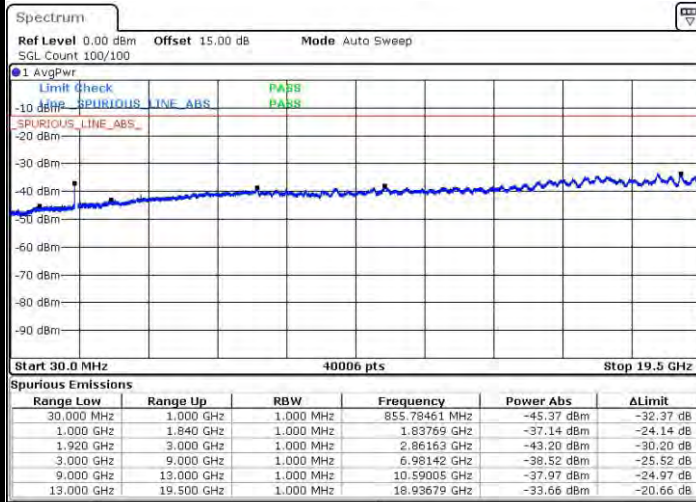


Date: 17.JUN.2015 17:36:33



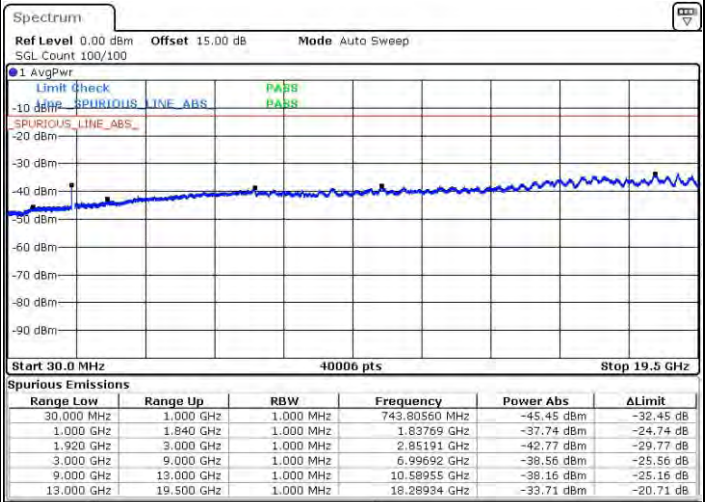
LTE Band 2 / 15MHz

Lowest Channel / QPSK



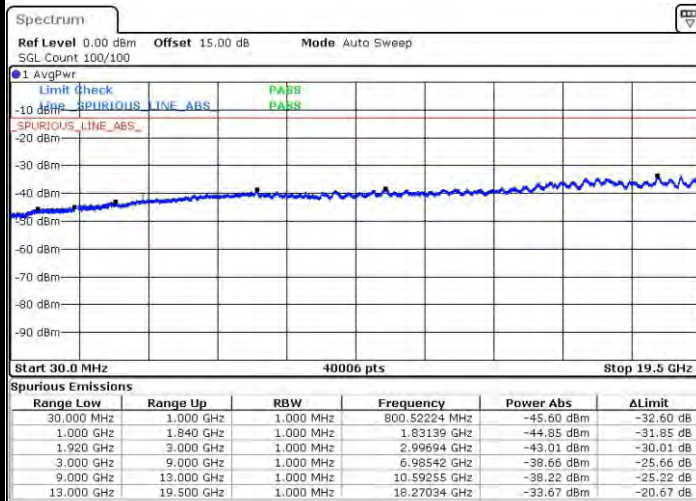
Date: 17.JUN.2015 17:43:10

Lowest Channel / 16QAM



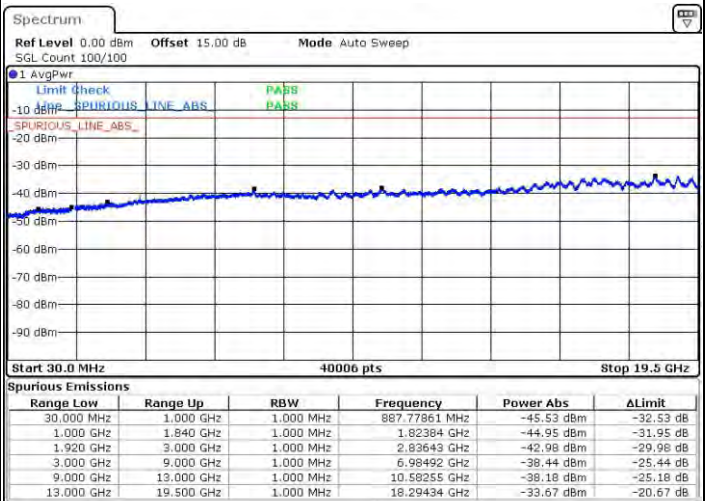
Date: 17.JUN.2015 17:44:22

Middle Channel / QPSK



Date: 17.JUN.2015 17:46:21

Middle Channel / 16QAM

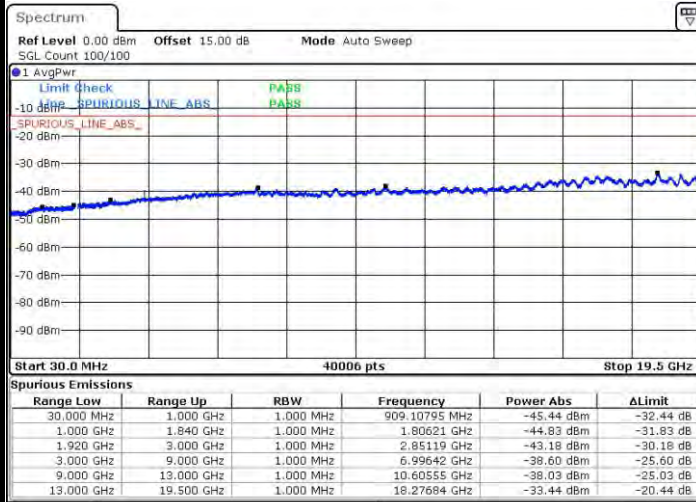


Date: 17.JUN.2015 17:47:32



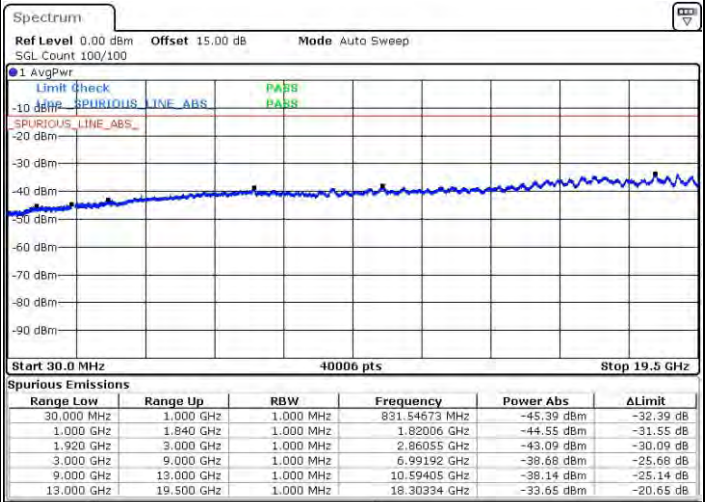
LTE Band 2 / 15MHz

Highest Channel / QPSK



Date: 17.JUN.2015 17:54:12

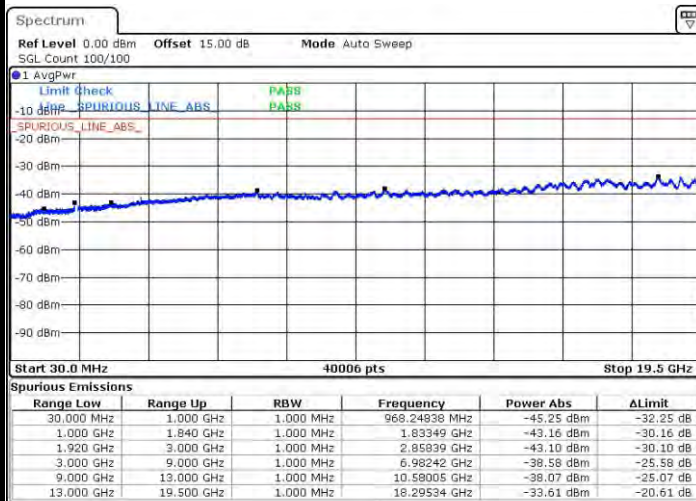
Highest Channel / 16QAM



Date: 17.JUN.2015 17:55:23

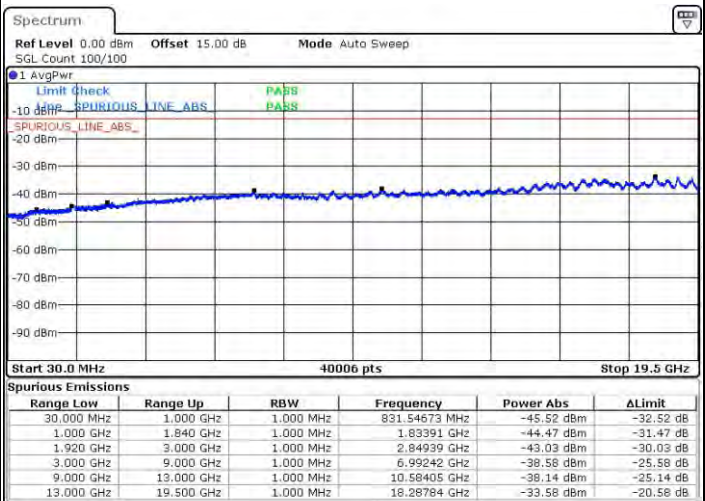
LTE Band 2 / 20MHz

Lowest Channel / QPSK



Date: 17.JUN.2015 18:02:02

Lowest Channel / 16QAM

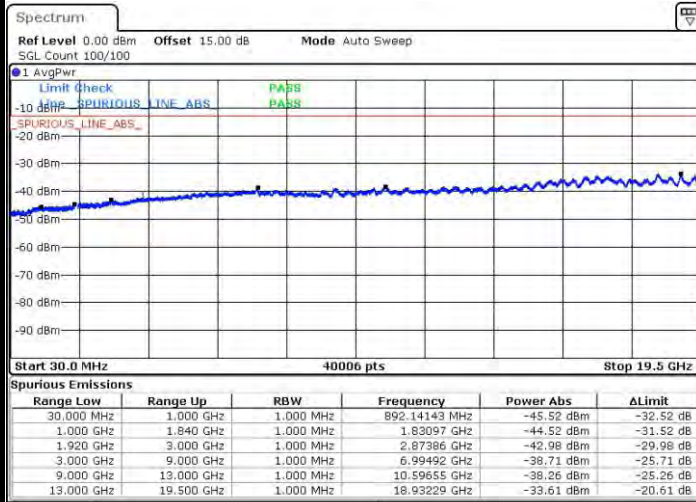


Date: 17.JUN.2015 18:03:13



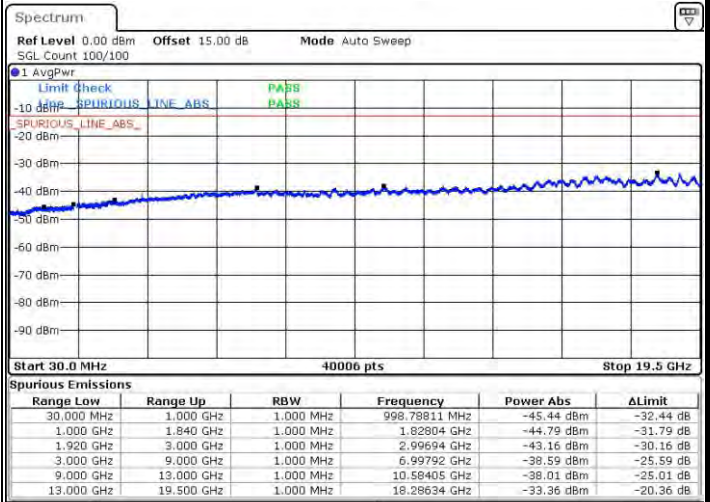
LTE Band 2 / 20MHz

Middle Channel / QPSK



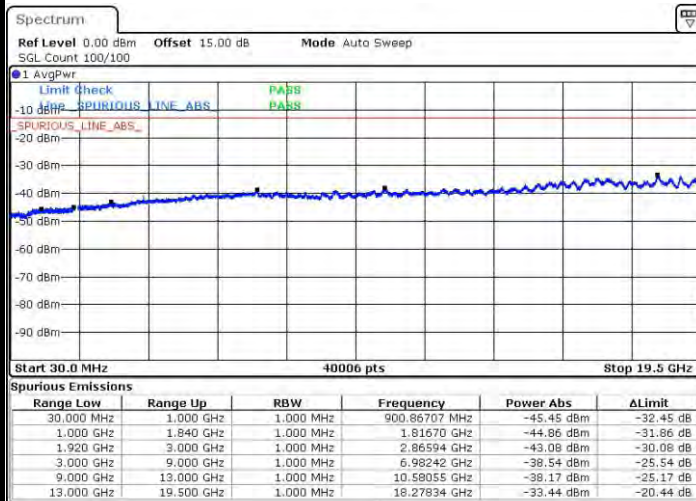
Date: 17.JUN.2015 3@:05:12

Middle Channel / 16QAM



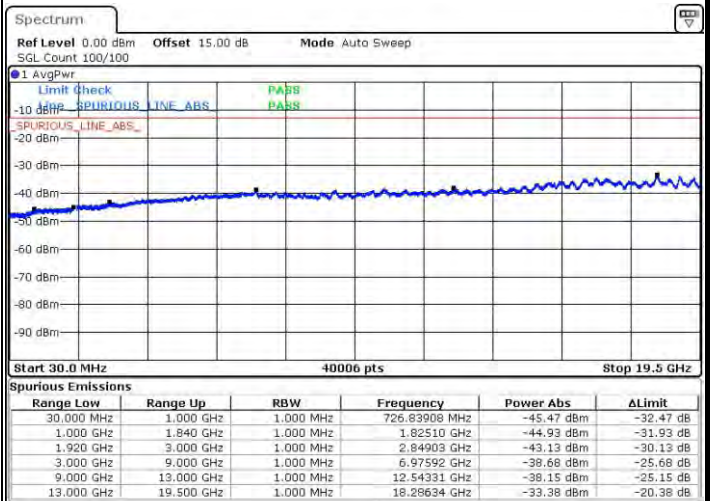
Date: 17.JUN.2015 3@:06:23

Highest Channel / QPSK



Date: 17.JUN.2015 3@:13:03

Highest Channel / 16QAM

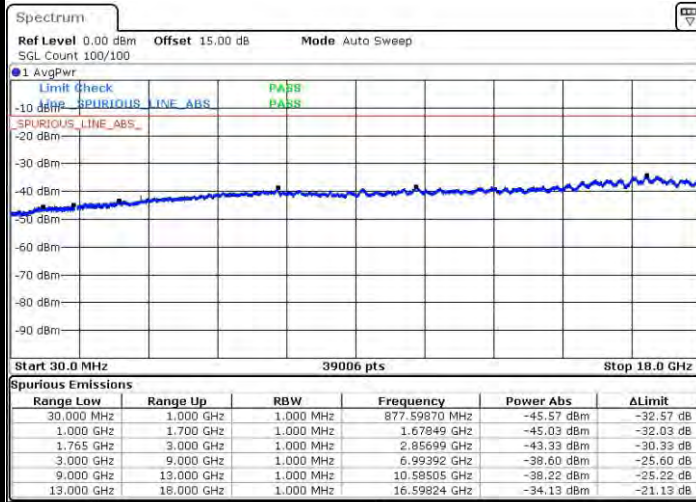


Date: 17.JUN.2015 3@:14:15



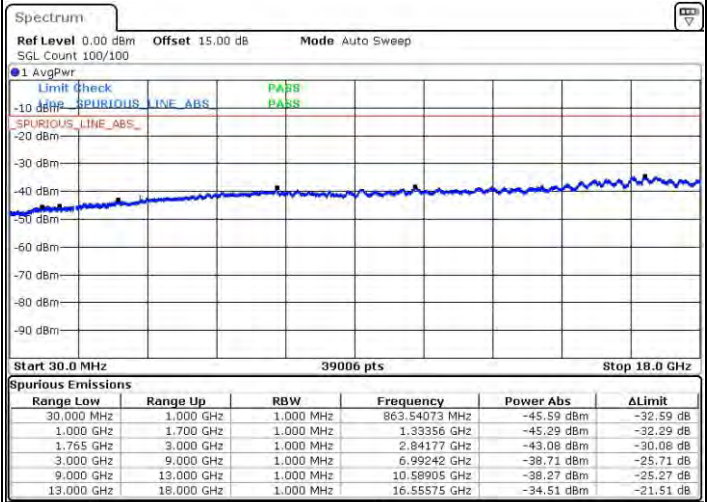
LTE Band 4 / 1.4MHz

Lowest Channel / QPSK



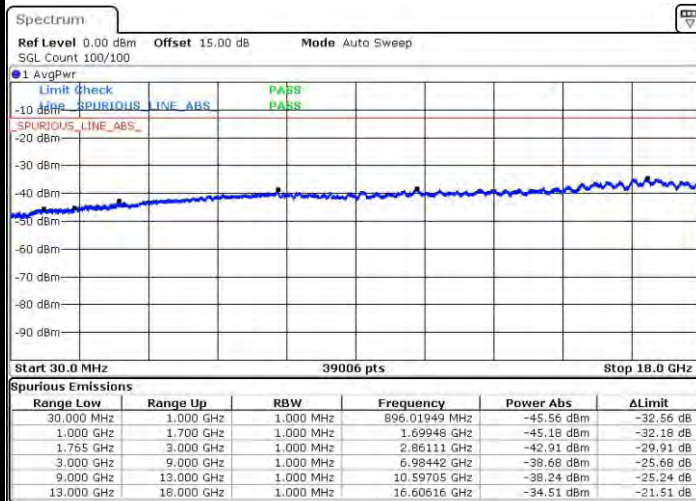
Date: 18.JUN.2015 11:16:27

Lowest Channel / 16QAM



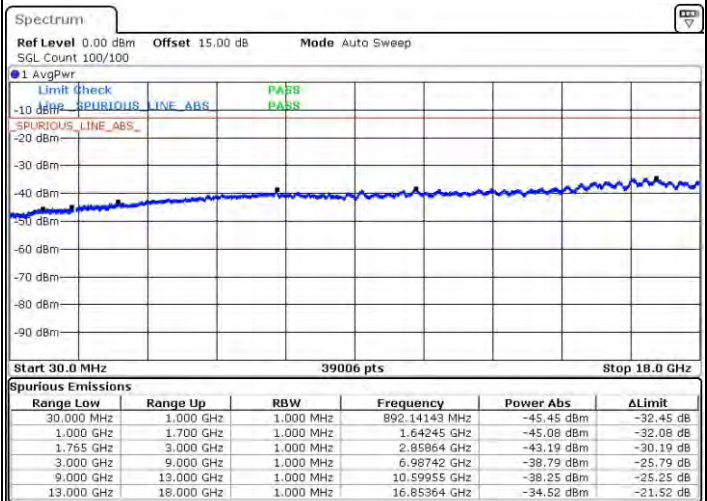
Date: 18.JUN.2015 11:17:40

Middle Channel / QPSK



Date: 18.JUN.2015 11:19:41

Middle Channel / 16QAM

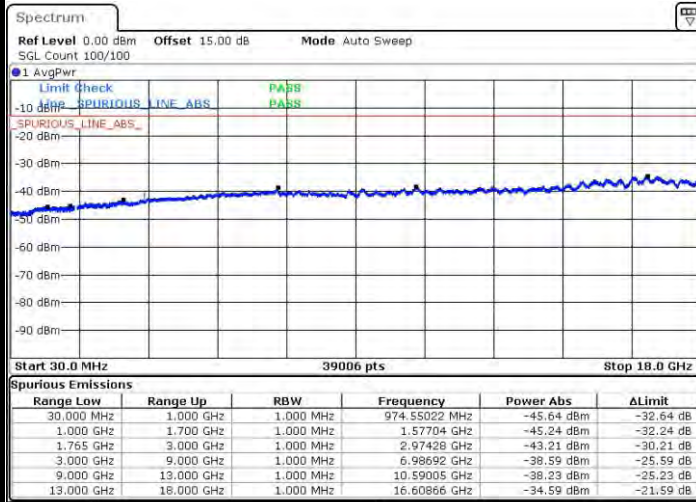


Date: 18.JUN.2015 11:20:33



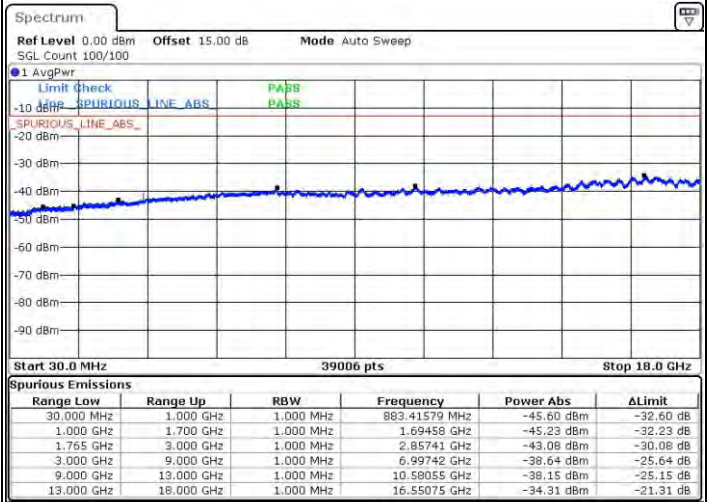
LTE Band 4 / 1.4MHz

Highest Channel / QPSK



Date: 18.JUN.2015 11:27:38

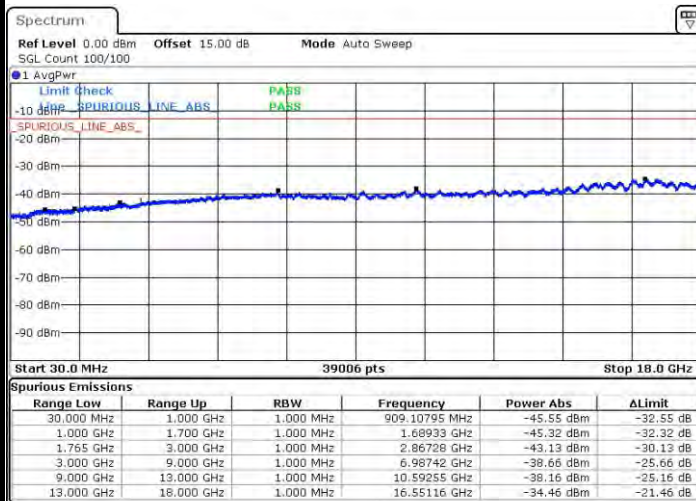
Highest Channel / 16QAM



Date: 18.JUN.2015 11:28:51

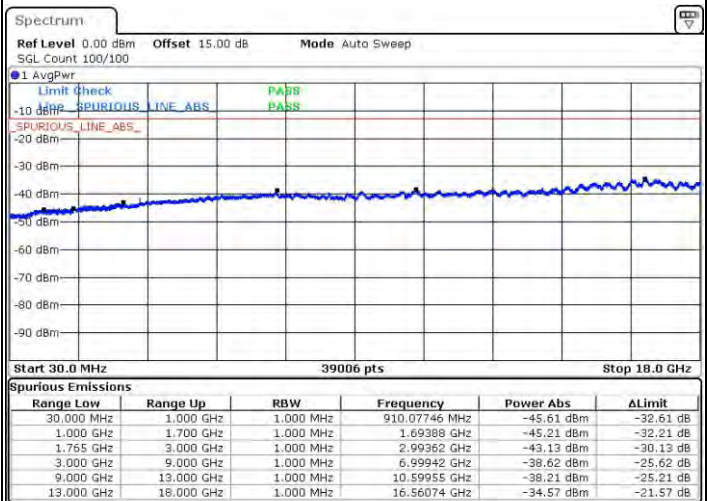
LTE Band 4 / 3MHz

Lowest Channel / QPSK



Date: 18.JUN.2015 11:35:41

Lowest Channel / 16QAM

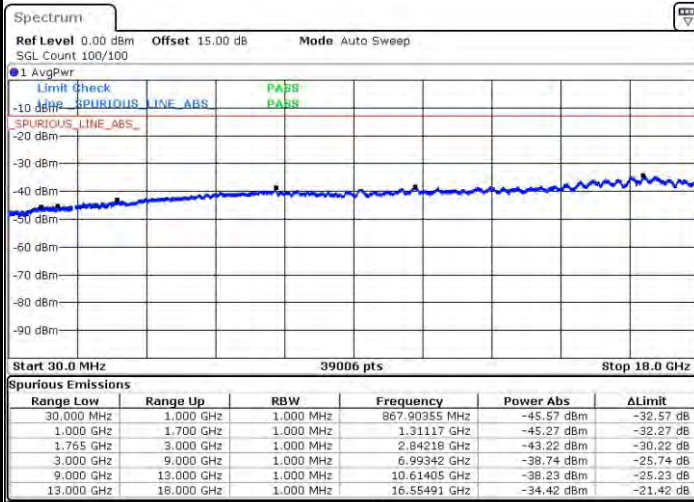


Date: 18.JUN.2015 11:36:54



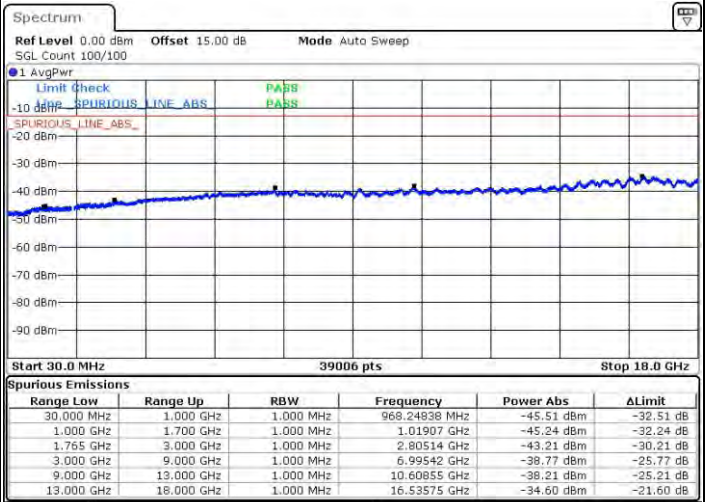
LTE Band 4 / 3MHz

Middle Channel / QPSK



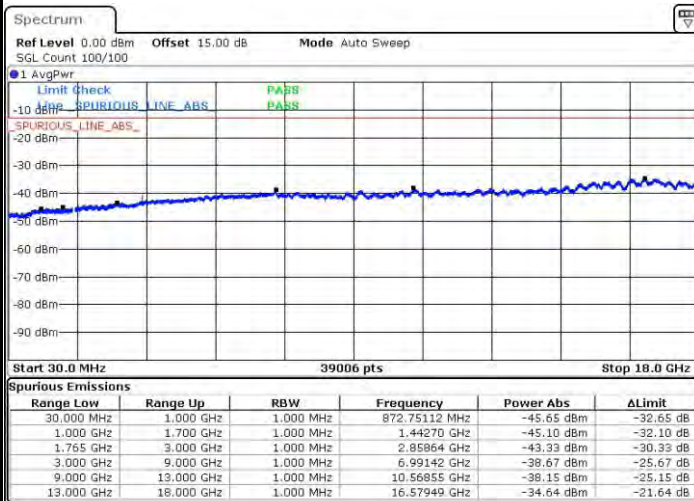
Date: 18.JUN.2015 11:38:54

Middle Channel / 16QAM



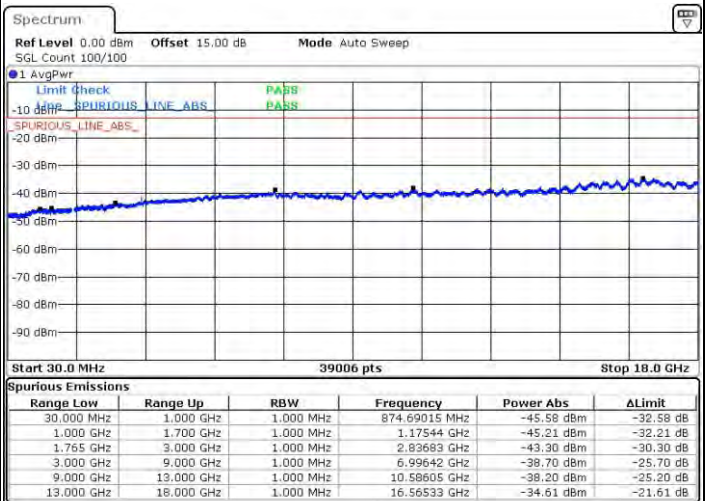
Date: 18.JUN.2015 11:40:07

Highest Channel / QPSK



Date: 18.JUN.2015 11:46:31

Highest Channel / 16QAM

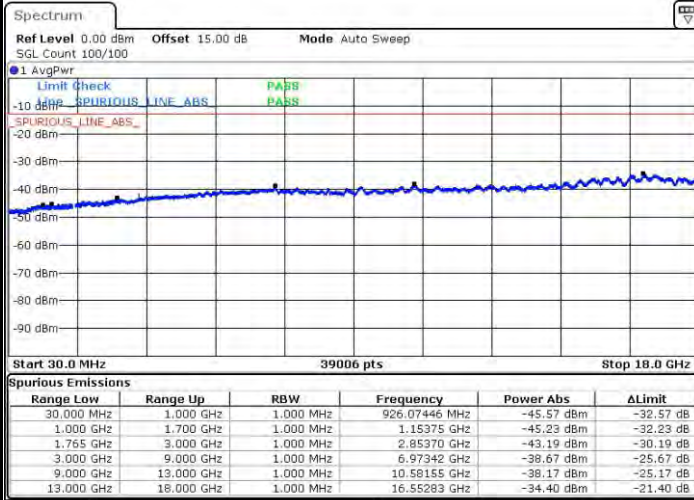


Date: 18.JUN.2015 11:48:03



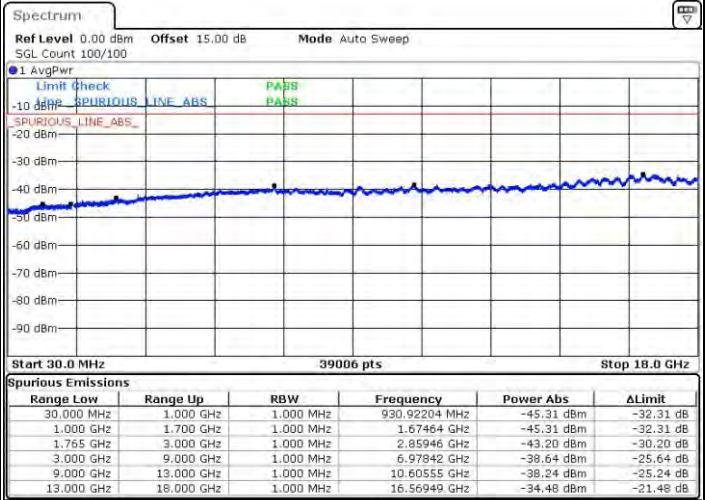
LTE Band 4 / 5MHz

Lowest Channel / QPSK



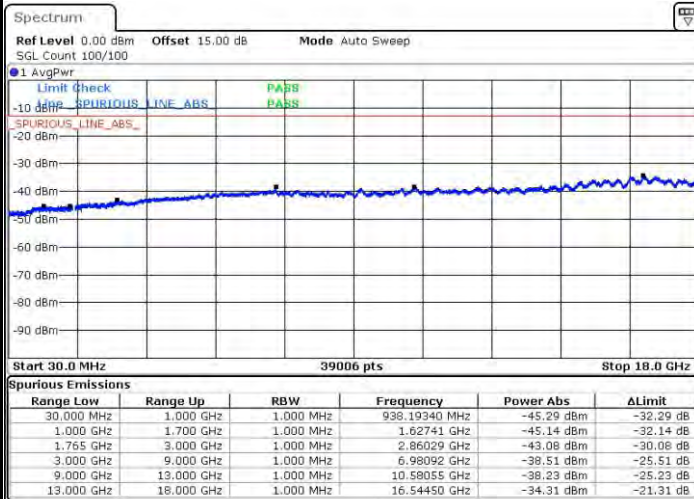
Date: 18.JUN.2015 11:54:47

Lowest Channel / 16QAM



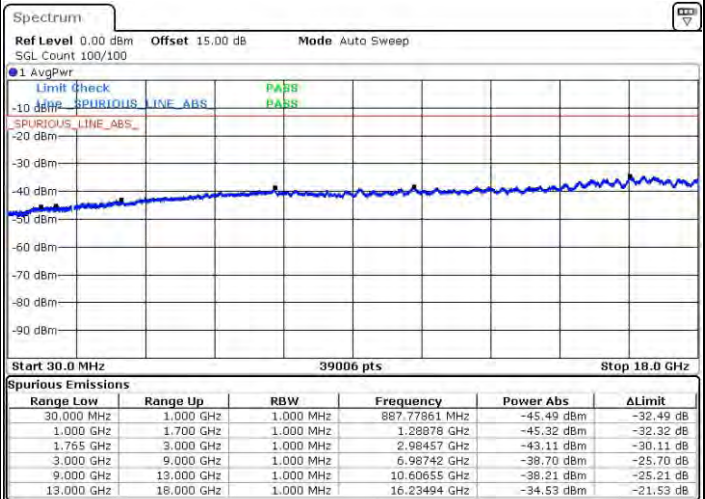
Date: 18.JUN.2015 11:56:00

Middle Channel / QPSK



Date: 18.JUN.2015 11:58:00

Middle Channel / 16QAM

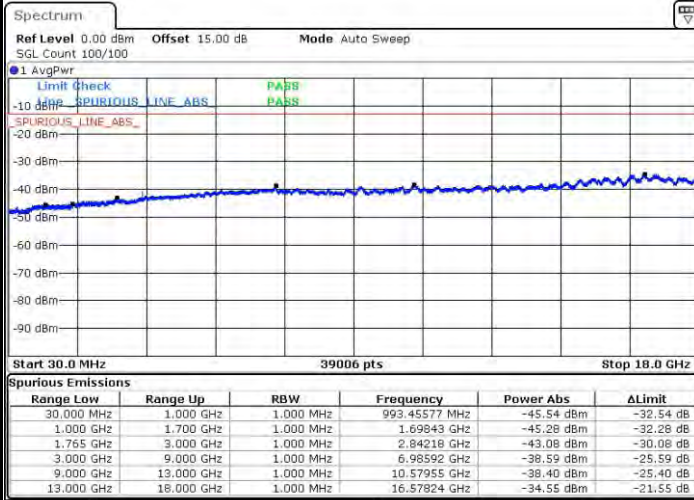


Date: 18.JUN.2015 11:59:13



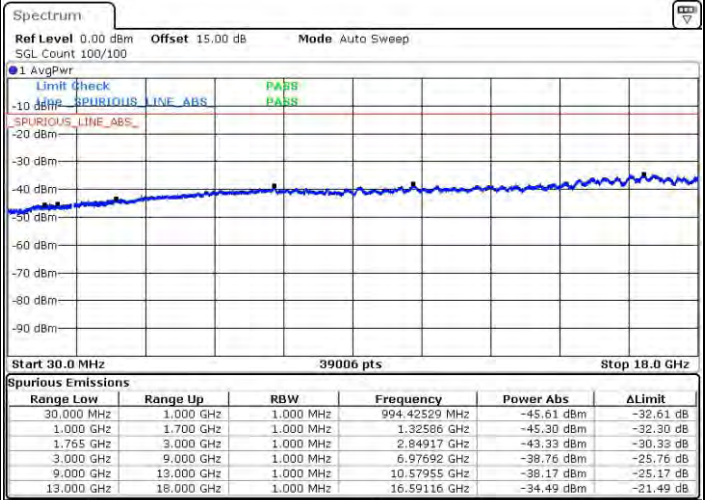
LTE Band 4 / 5MHz

Highest Channel / QPSK



Date: 18.JUN.2015 12:08:56

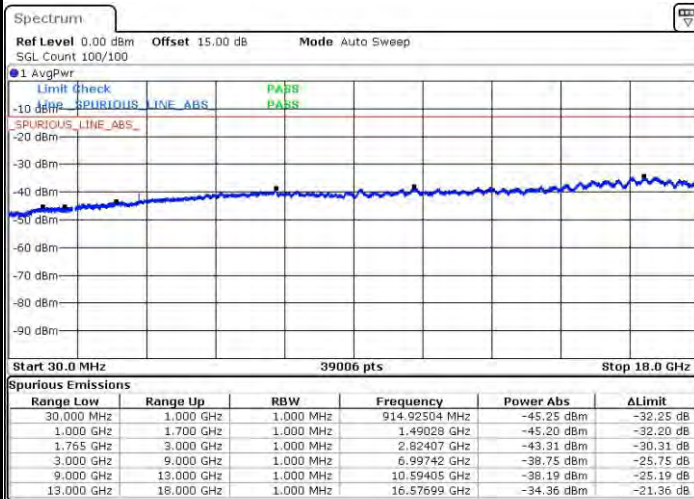
Highest Channel / 16QAM



Date: 18.JUN.2015 12:07:09

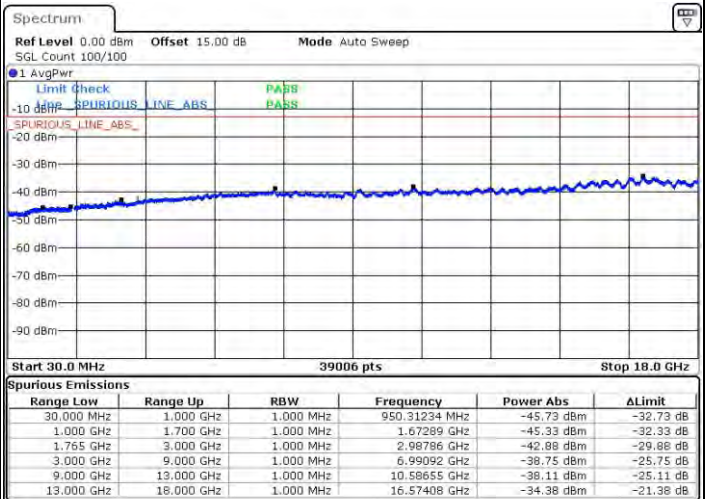
LTE Band 4 / 10MHz

Lowest Channel / QPSK



Date: 18.JUN.2015 12:13:52

Lowest Channel / 16QAM

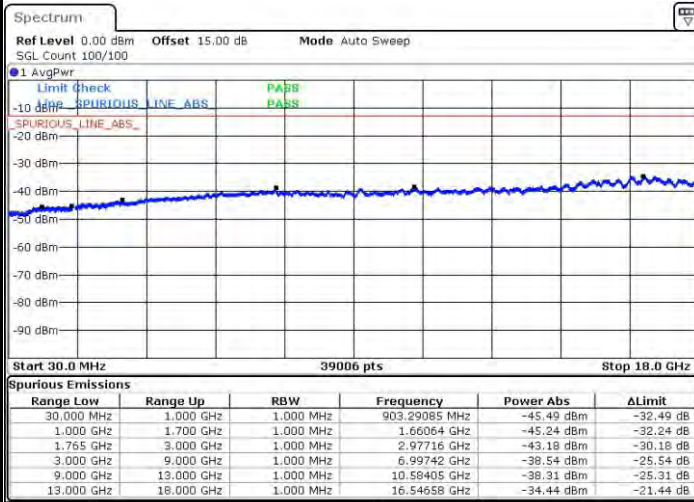


Date: 18.JUN.2015 12:15:04



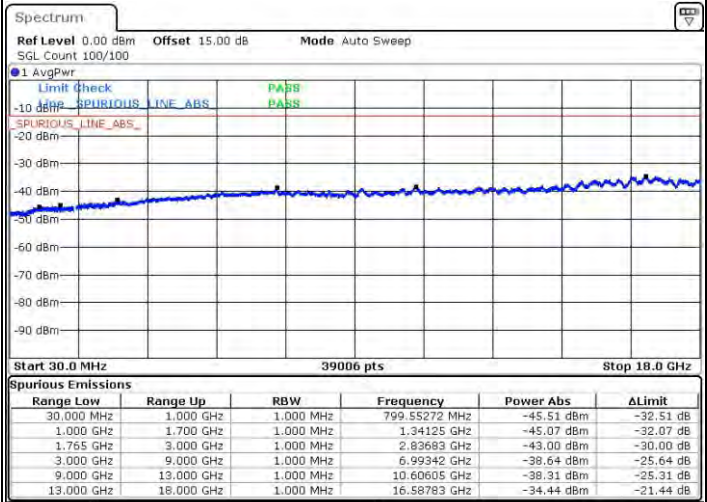
LTE Band 4 / 10MHz

Middle Channel / QPSK



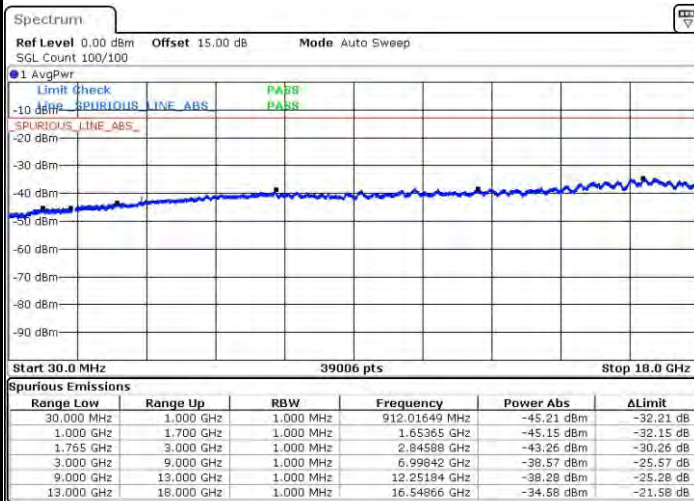
Date: 18.JUN.2015 12:17:05

Middle Channel / 16QAM



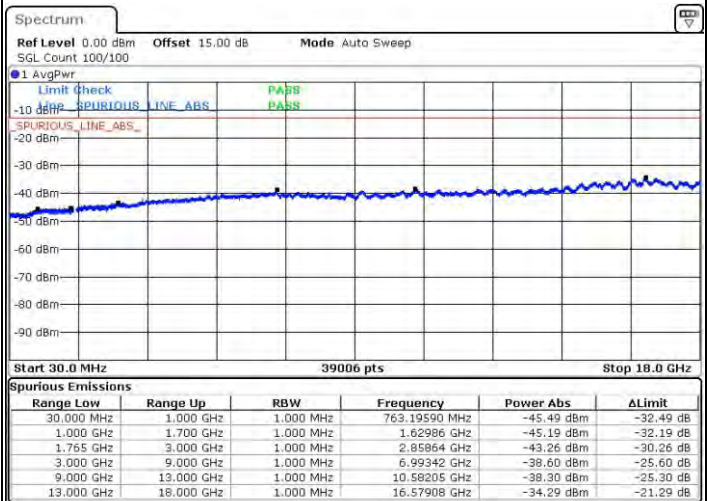
Date: 18.JUN.2015 12:18:18

Highest Channel / QPSK



Date: 18.JUN.2015 12:25:01

Highest Channel / 16QAM

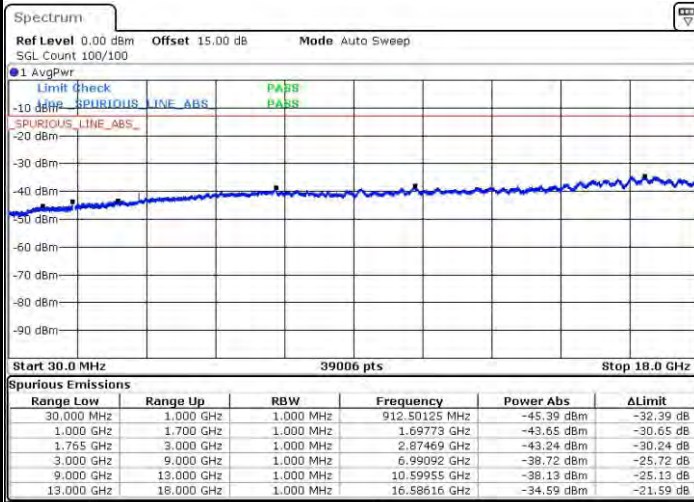


Date: 18.JUN.2015 12:26:14



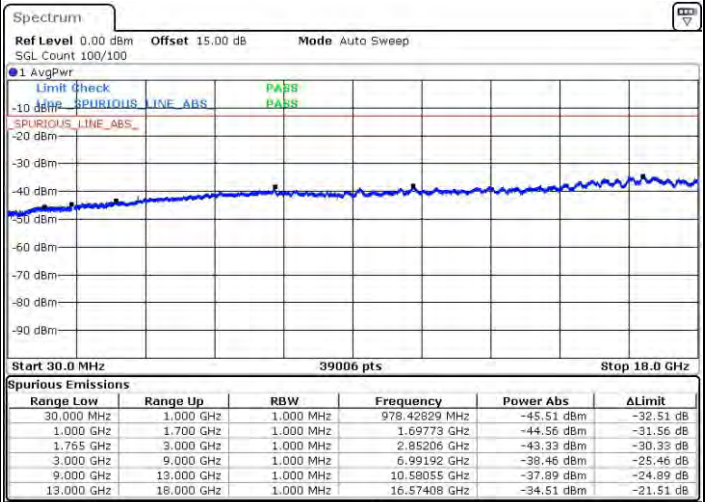
LTE Band 4 / 15MHz

Lowest Channel / QPSK



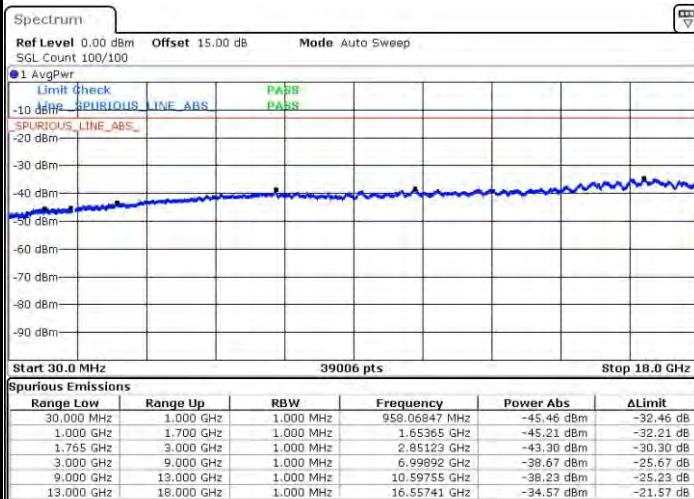
Date: 18.JUN.2015 12:33:02

Lowest Channel / 16QAM



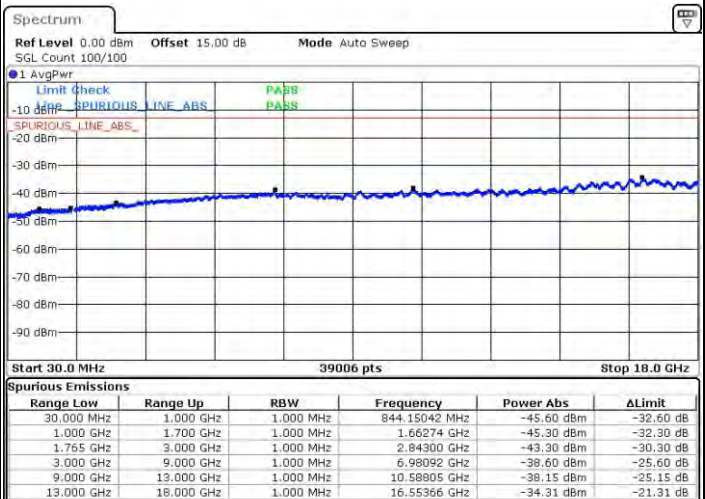
Date: 18.JUN.2015 12:34:16

Middle Channel / QPSK



Date: 18.JUN.2015 12:36:25

Middle Channel / 16QAM

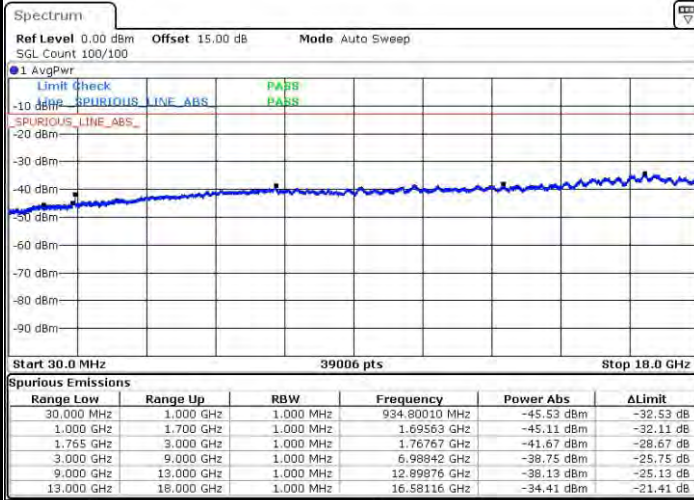


Date: 18.JUN.2015 12:37:39



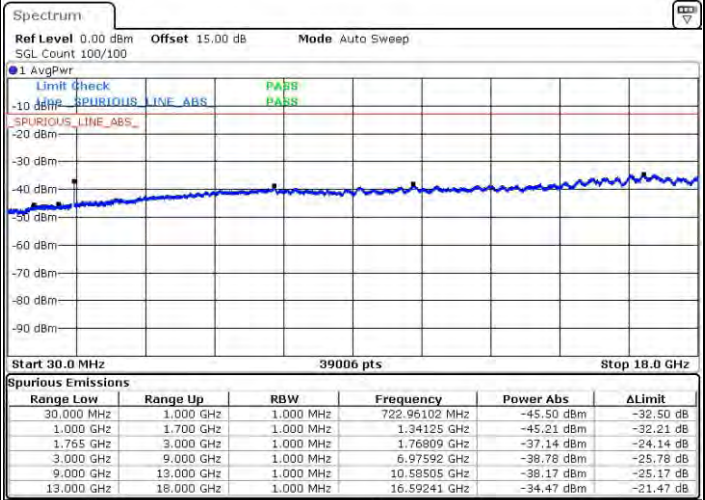
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 18.JUN.2015 12:44:34

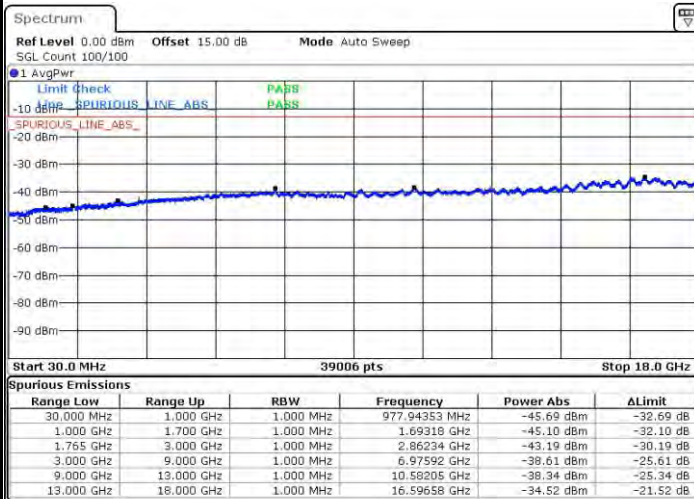
Highest Channel / 16QAM



Date: 18.JUN.2015 12:45:48

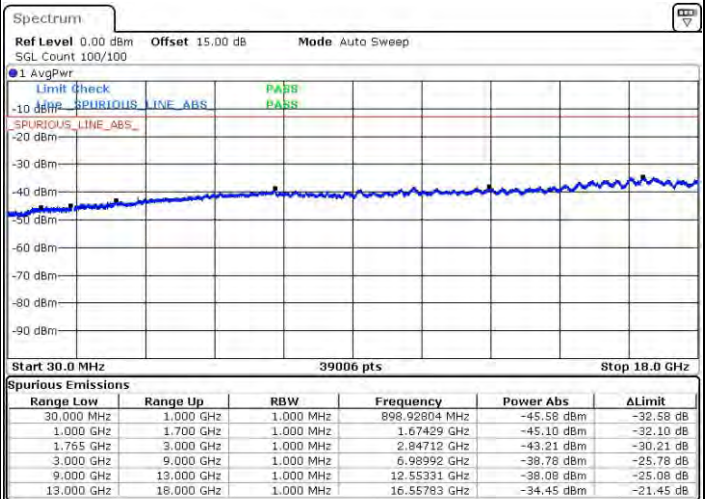
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 18.JUN.2015 12:52:53

Lowest Channel / 16QAM

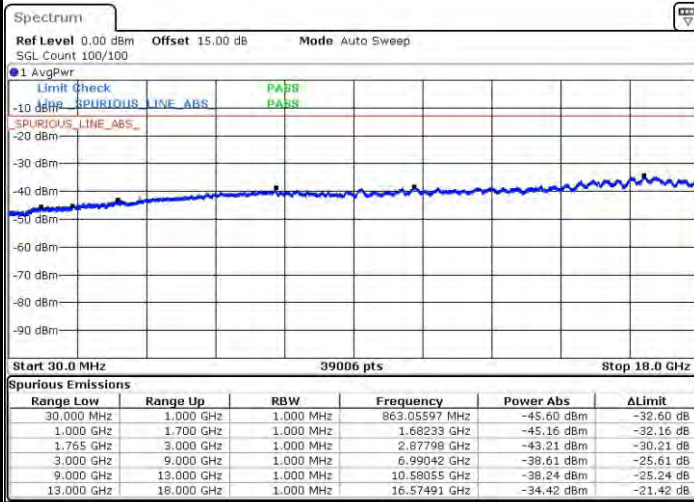


Date: 18.JUN.2015 12:54:07



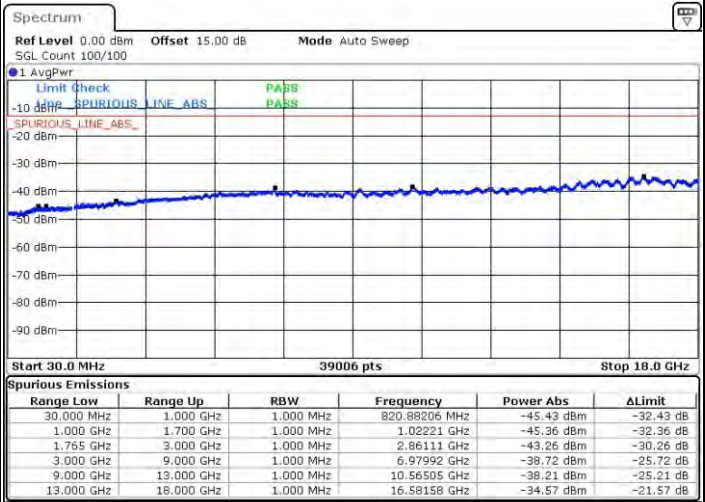
LTE Band 4 / 20MHz

Middle Channel / QPSK



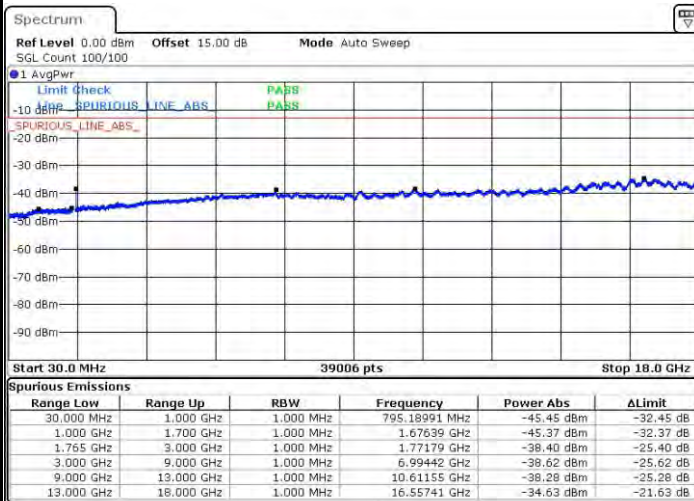
Date: 18.JUN.2015 12:56:18

Middle Channel / 16QAM



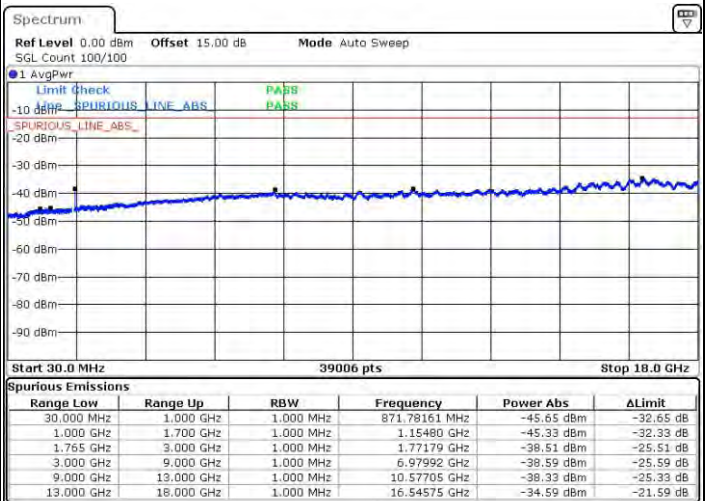
Date: 18.JUN.2015 12:57:33

Highest Channel / QPSK



Date: 18.JUN.2015 13:04:29

Highest Channel / 16QAM



Date: 18.JUN.2015 13:05:43

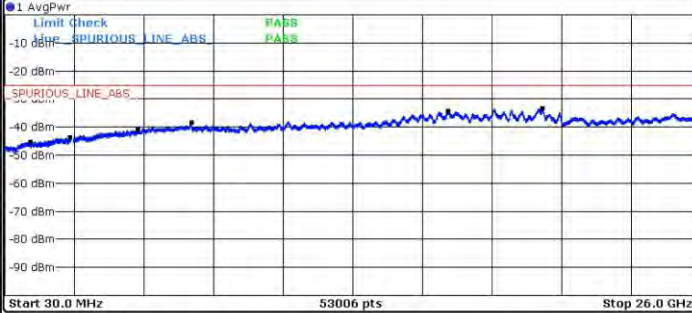


LTE Band 7 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

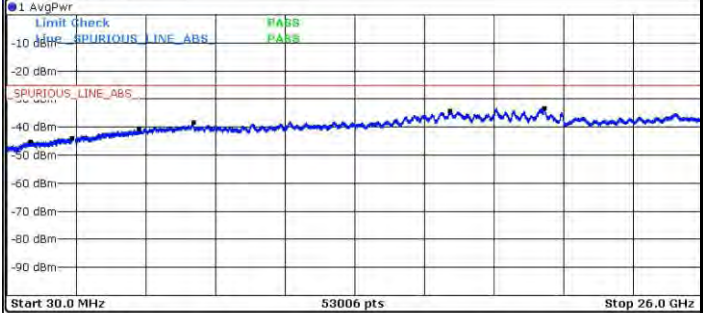
Spectrum

Ref Level 0.00 dBm Offset 15.00 dB Mode Auto Sweep
SQL Count 100/100

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	984.73013 MHz	-45.31 dBm	-20.31 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.46300 GHz	-43.79 dBm	-18.79 dB
2.500 GHz	5.000 GHz	1.000 MHz	4.99347 GHz	-40.98 dBm	-15.98 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99755 GHz	-38.41 dBm	-13.41 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.55084 GHz	-34.23 dBm	-9.23 dB
18.000 GHz	26.000 GHz	1.000 MHz	20.07012 GHz	-33.22 dBm	-8.22 dB

Date: 10.JUL.2015 10:16:46

Spectrum

Ref Level 0.00 dBm Offset 15.00 dB Mode Auto Sweep
SQL Count 100/100

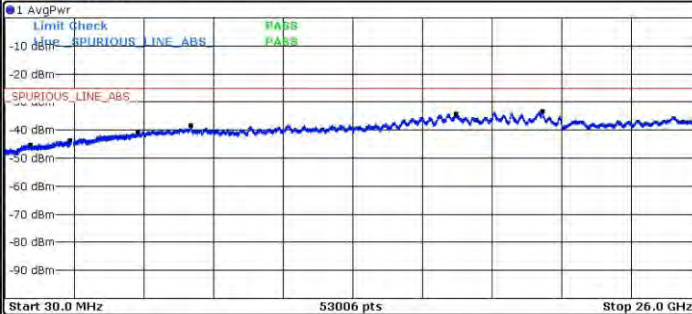
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	915.40980 MHz	-45.31 dBm	-20.31 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47864 GHz	-43.96 dBm	-18.96 dB
2.500 GHz	5.000 GHz	1.000 MHz	4.96976 GHz	-40.91 dBm	-15.91 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99255 GHz	-38.40 dBm	-13.40 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.57034 GHz	-34.39 dBm	-9.39 dB
18.000 GHz	26.000 GHz	1.000 MHz	20.08412 GHz	-33.33 dBm	-8.33 dB

Date: 10.JUL.2015 10:17:56

Middle Channel / QPSK

Middle Channel / 16QAM

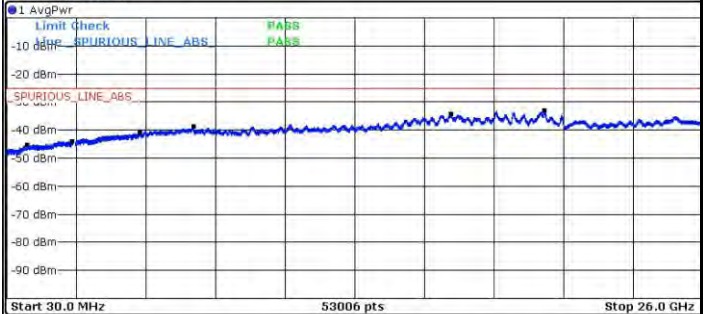
Spectrum

Ref Level 0.00 dBm Offset 15.00 dB Mode Auto Sweep
SQL Count 100/100

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	987.53868 MHz	-45.41 dBm	-20.41 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.45667 GHz	-43.79 dBm	-18.79 dB
2.500 GHz	5.000 GHz	1.000 MHz	4.99879 GHz	-40.91 dBm	-15.91 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.97605 GHz	-38.33 dBm	-13.33 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.84832 GHz	-34.29 dBm	-9.29 dB
18.000 GHz	26.000 GHz	1.000 MHz	20.08362 GHz	-33.24 dBm	-8.24 dB

Date: 10.JUL.2015 10:19:06

Spectrum

Ref Level 0.00 dBm Offset 15.00 dB Mode Auto Sweep
SQL Count 100/100

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	796.15942 MHz	-45.34 dBm	-20.34 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47529 GHz	-43.93 dBm	-18.93 dB
2.500 GHz	5.000 GHz	1.000 MHz	4.99589 GHz	-40.97 dBm	-15.97 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.98705 GHz	-38.53 dBm	-13.53 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.58984 GHz	-34.34 dBm	-9.34 dB
18.000 GHz	26.000 GHz	1.000 MHz	20.08362 GHz	-33.11 dBm	-8.11 dB

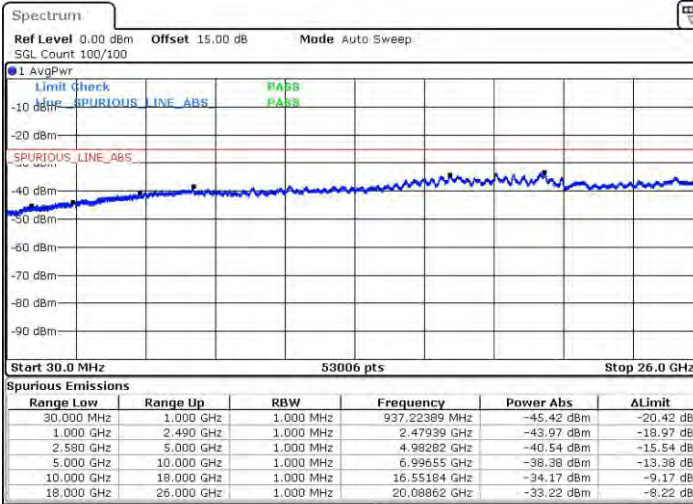
Date: 10.JUL.2015 10:20:16



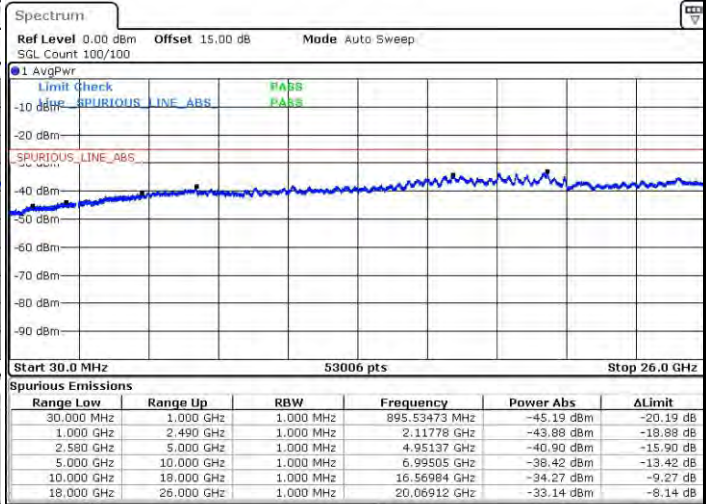
LTE Band 7 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 10.JUL.2015 10:21:26

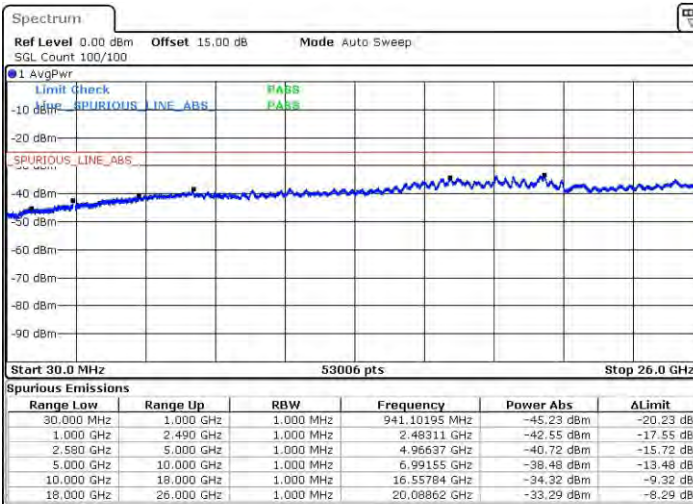


Date: 10.JUL.2015 10:22:36

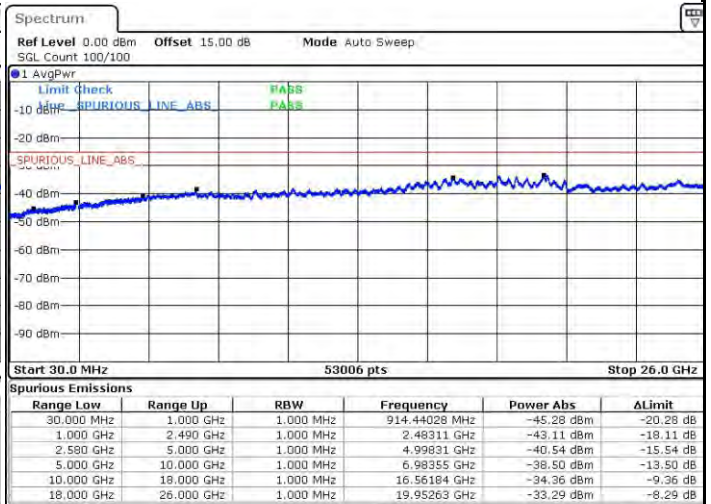
LTE Band 7 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 10.JUL.2015 10:23:47



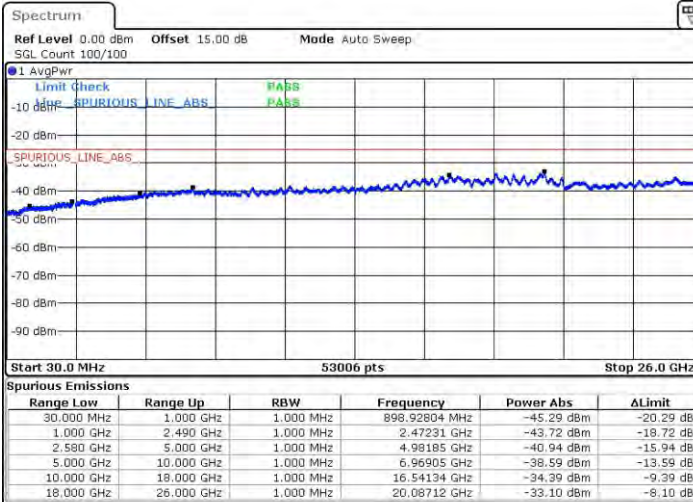
Date: 10.JUL.2015 10:24:57



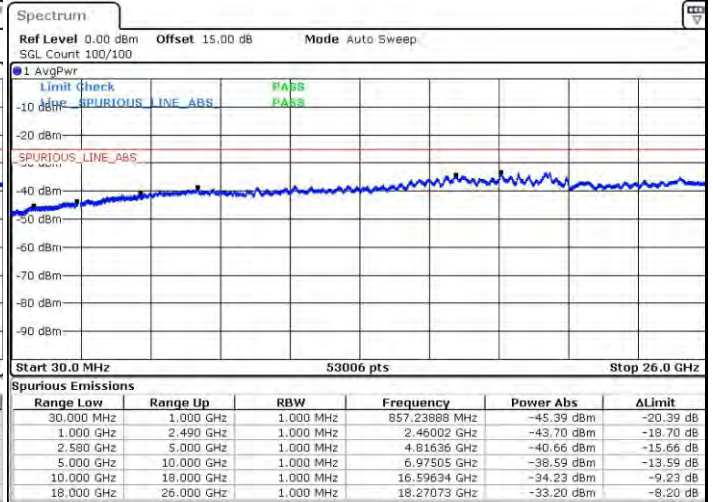
LTE Band 7 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



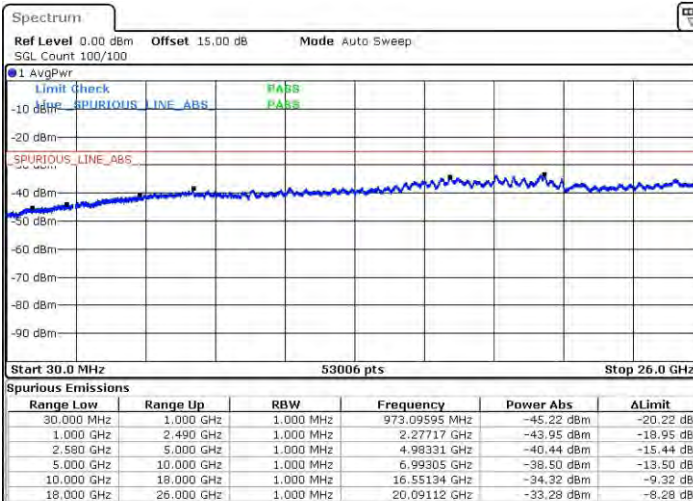
Date: 10.JUL.2015 10:26:07



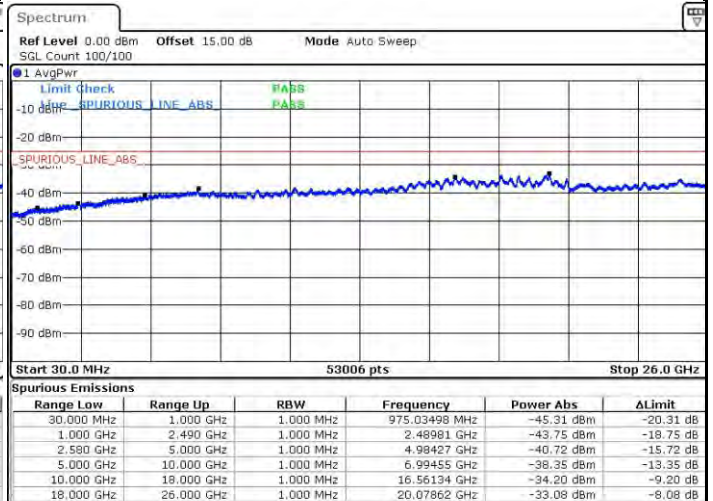
Date: 10.JUL.2015 10:27:17

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 10.JUL.2015 10:28:27



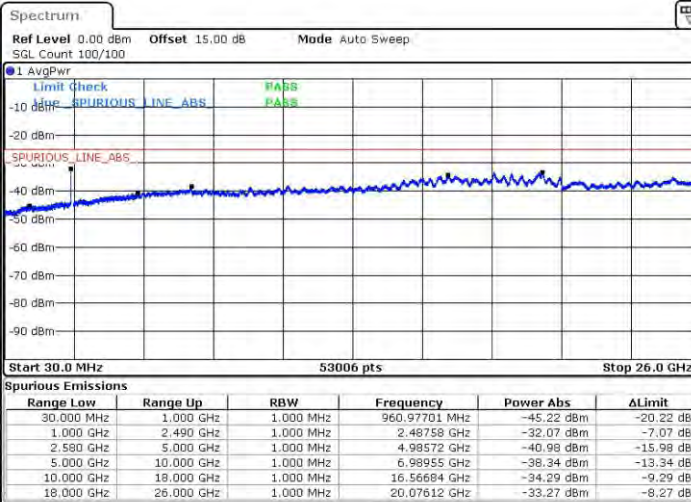
Date: 10.JUL.2015 10:29:37



LTE Band 7 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



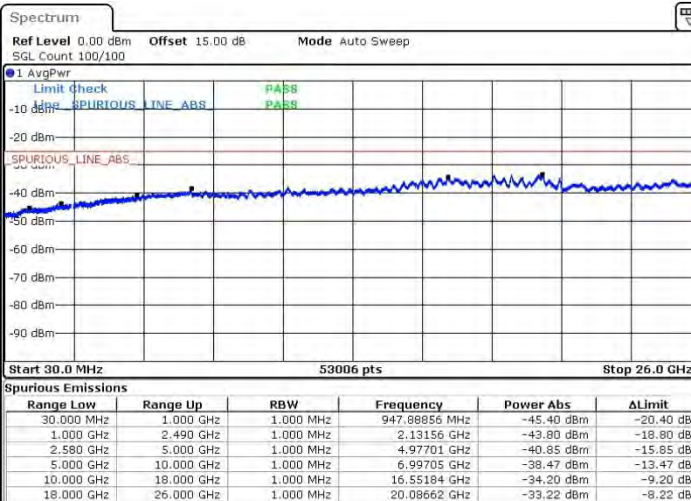
Date: 10.JUL.2015 10:30:47



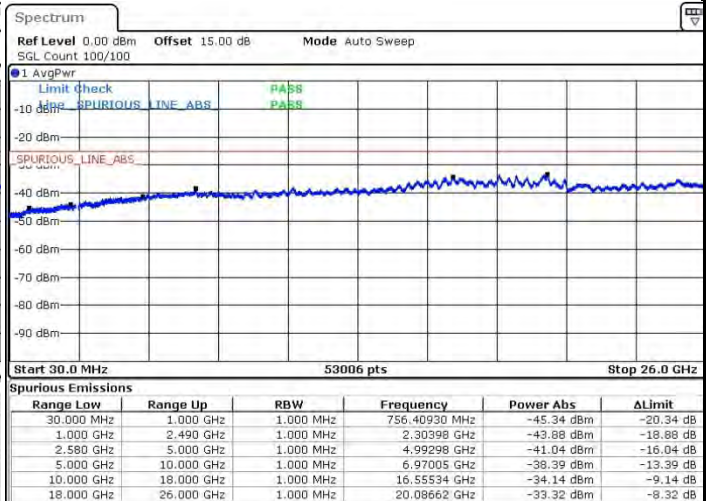
Date: 10.JUL.2015 10:31:57

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 10.JUL.2015 10:33:07



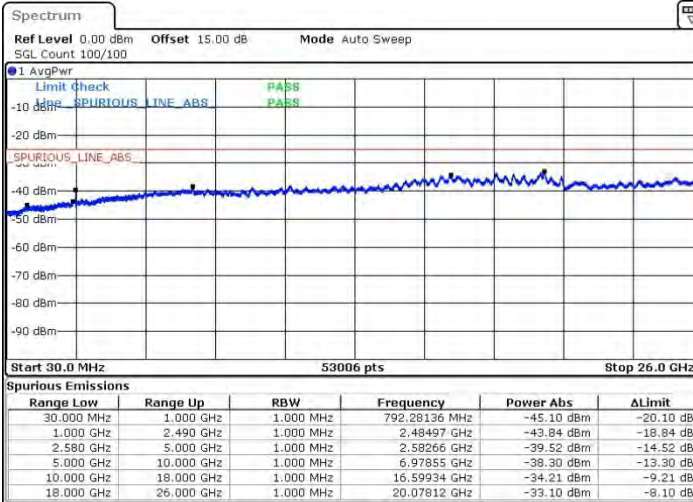
Date: 10.JUL.2015 10:34:17



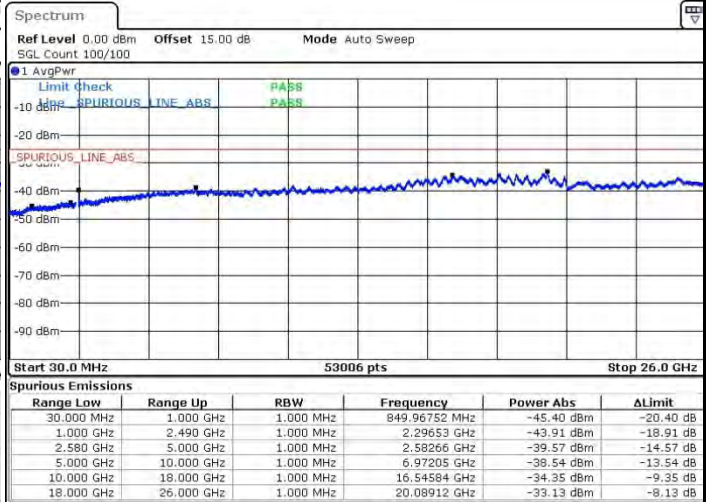
LTE Band7 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 10.JUL.2015 10:35:27

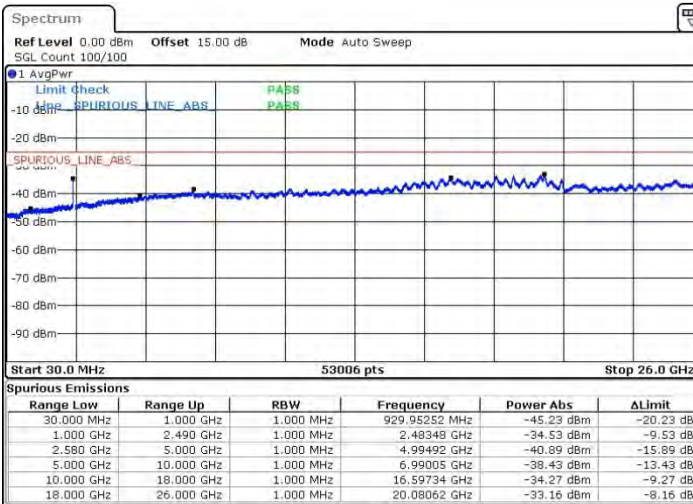


Date: 10.JUL.2015 10:36:37

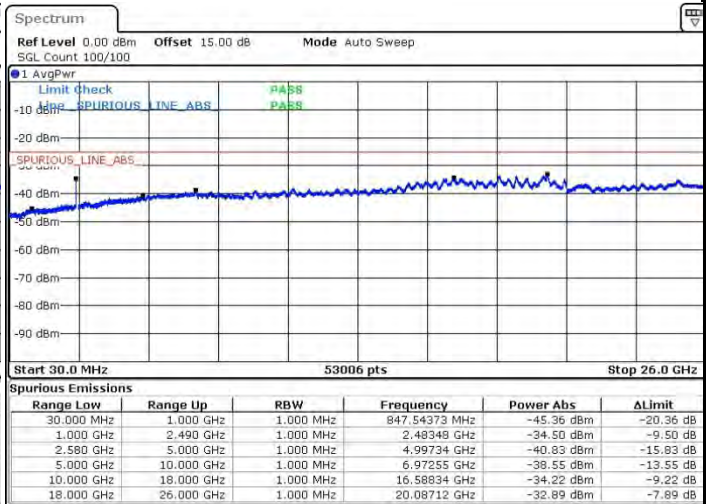
LTE Band 7 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 10.JUL.2015 10:37:46



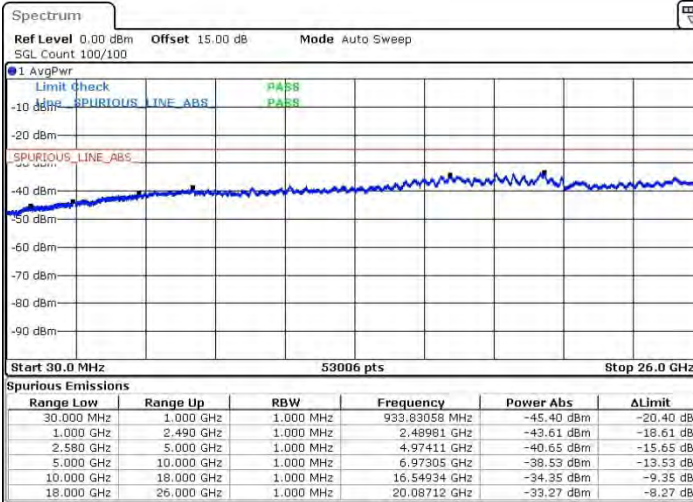
Date: 10.JUL.2015 10:38:56



LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM



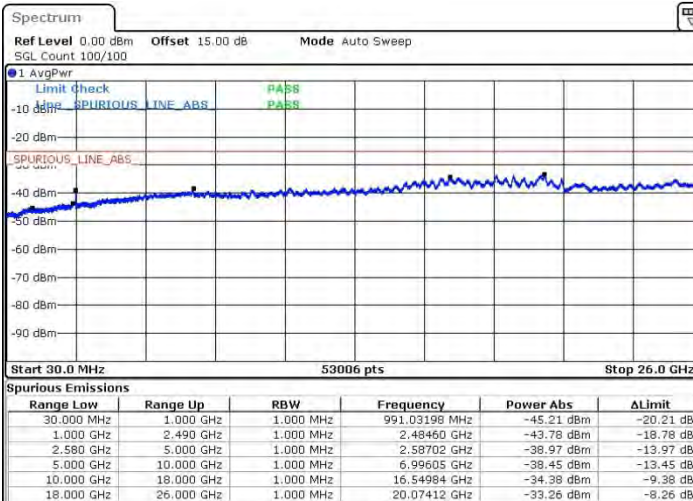
Date: 10.JUL.2015 10:40:06



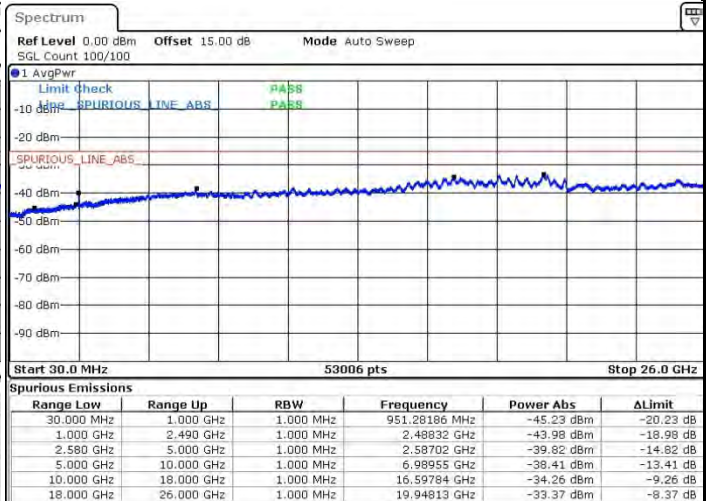
Date: 10.JUL.2015 10:41:16

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 10.JUL.2015 10:42:26



Date: 10.JUL.2015 10:43:36

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	0.0074	PASS
40	Normal Voltage	0.0048	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0000	
-20	Normal Voltage	0.0021	
-30	Normal Voltage	0.0037	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0016	
20	Battery End Point	0.0000	

Note:

1. Normal Voltage = 3.8 V. ; Battery End Point (BEP) = 3.5 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	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage = 3.8 V. ; Battery End Point (BEP) = 3.5 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 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0039	PASS
40	Normal Voltage	0.0024	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0024	
20	Maximum Voltage	0.0000	
20	Normal Voltage	0.0004	
20	Battery End Point	0.0000	

Note:

1. Normal Voltage = 3.8 V. ; Battery End Point (BEP) = 3.5 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

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	5	24.23	0.2649	24.56	0.2858
Middle		1	2	23.58	0.2280	23.76	0.2377
Highest		1	5	22.82	0.1914	22.95	0.1972
Lowest	16QAM	1	2	23.12	0.2051	23.57	0.2275
Middle		1	5	22.61	0.1824	22.84	0.1923
Highest		3	2	22.03	0.1596	22.02	0.1592
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	24.30	0.2692	24.69	0.2944
Middle		1	0	23.77	0.2382	23.94	0.2477
Highest		1	7	22.87	0.1936	22.91	0.1954
Lowest	16QAM	1	7	23.18	0.2080	23.58	0.2280
Middle		1	0	22.78	0.1897	22.98	0.1986
Highest		1	7	21.86	0.1535	21.87	0.1538
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	24.01	0.2518	24.39	0.2748
Middle		1	0	23.60	0.2291	23.77	0.2382
Highest		1	0	22.67	0.1849	22.71	0.1866
Lowest	16QAM	1	24	23.08	0.2032	23.45	0.2213
Middle		1	12	22.57	0.1807	22.83	0.1919
Highest		1	24	21.77	0.1503	21.81	0.1517
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	24	23.93	0.2472	24.44	0.2780
Middle		1	0	23.65	0.2317	23.92	0.2466
Highest		1	0	23.01	0.2000	23.13	0.2056
Lowest	16QAM	1	24	23.01	0.2000	23.40	0.2188
Middle		1	49	22.46	0.1762	22.69	0.1858
Highest		1	24	21.67	0.1469	21.81	0.1517
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	24.21	0.2636	24.45	0.2786
Middle		1	0	23.71	0.2350	23.95	0.2483
Highest		1	0	23.12	0.2051	23.30	0.2138
Lowest	16QAM	1	74	23.01	0.2000	23.29	0.2133
Middle		1	37	22.57	0.1807	22.80	0.1905
Highest		1	0	22.13	0.1633	22.27	0.1687
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	0	24.01	0.2518	24.37	0.2735
Middle		1	0	23.64	0.2312	23.99	0.2506
Highest		1	0	23.11	0.2046	23.29	0.2133
Lowest	16QAM	1	49	23.11	0.2046	23.34	0.2158
Middle		1	49	22.60	0.1820	22.71	0.1866
Highest		1	0	22.14	0.1637	22.43	0.1750
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.51	0.2825	24.61	0.2891
Middle		1	2	24.56	0.2858	24.85	0.3055
Highest		1	0	25.08	0.3221	25.12	0.3251
Lowest	16QAM	1	2	23.45	0.2213	23.59	0.2286
Middle		3	0	23.60	0.2291	23.76	0.2377
Highest		3	2	23.90	0.2455	24.03	0.2529
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	24.50	0.2818	24.66	0.2924
Middle		1	14	24.67	0.2931	24.92	0.3105
Highest		1	14	24.99	0.3155	25.09	0.3228
Lowest	16QAM	1	0	23.38	0.2178	23.53	0.2254
Middle		1	0	23.54	0.2259	23.69	0.2339
Highest		1	0	23.88	0.2443	23.91	0.2460
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	24	24.54	0.2844	24.55	0.2851
Middle		1	0	24.59	0.2877	24.92	0.3105
Highest		1	0	25.04	0.3192	25.03	0.3184
Lowest	16QAM	1	0	23.54	0.2259	23.73	0.2360
Middle		1	24	23.77	0.2382	24.04	0.2535
Highest		1	0	24.06	0.2547	24.18	0.2618
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	24	24.51	0.2825	24.57	0.2864
Middle		1	24	24.55	0.2851	24.85	0.3055
Highest		1	0	24.72	0.2965	25.01	0.3170
Lowest	16QAM	1	49	23.53	0.2254	23.71	0.2350
Middle		1	0	23.47	0.2223	23.71	0.2350
Highest		1	0	23.77	0.2382	23.96	0.2489
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	74	24.13	0.2588	24.39	0.2748
Middle		1	74	24.37	0.2735	24.71	0.2958
Highest		1	0	24.43	0.2773	24.75	0.2985
Lowest	16QAM	1	0	23.12	0.2051	23.41	0.2193
Middle		1	0	23.27	0.2123	23.41	0.2193
Highest		1	0	23.43	0.2203	23.72	0.2355
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.14	0.2594	24.38	0.2742
Middle		1	0	24.20	0.2630	24.42	0.2767
Highest		1	0	24.47	0.2799	24.80	0.3020
Lowest	16QAM	1	0	23.15	0.2065	23.38	0.2178
Middle		1	0	23.14	0.2061	23.44	0.2208
Highest		1	0	23.48	0.2228	23.83	0.2415
Limit	EIRP < 1W			Result		PASS	



LTE Band 7 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	21.45	0.1396	21.34	0.1361
Middle		1	12	21.25	0.1334	21.02	0.1265
Highest		1	12	20.28	0.1067	19.94	0.0986
Lowest	16QAM	1	24	20.57	0.1140	20.48	0.1117
Middle		1	12	20.35	0.1084	20.01	0.1002
Highest		1	24	19.35	0.0861	18.91	0.0778
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	21.11	0.1291	21.12	0.1294
Middle		1	49	21.07	0.1279	20.84	0.1213
Highest		1	24	20.11	0.1026	20.03	0.1007
Lowest	16QAM	1	49	20.35	0.1084	20.38	0.1091
Middle		1	0	20.28	0.1067	20.21	0.1050
Highest		1	24	19.25	0.0841	19.19	0.0830
Limit	EIRP < 2W			Result		PASS	



LTE Band 7 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	21.10	0.1288	21.09	0.1285
Middle		1	74	20.96	0.1247	20.83	0.1211
Highest		1	0	20.53	0.1130	20.21	0.1050
Lowest	16QAM	1	0	20.58	0.1143	20.59	0.1146
Middle		1	74	20.04	0.1009	19.90	0.0977
Highest		1	0	19.54	0.0899	19.37	0.0865
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	99	21.37	0.1371	21.17	0.1309
Middle		1	99	21.07	0.1279	20.17	0.1040
Highest		1	99	20.28	0.1067	19.86	0.0968
Lowest	16QAM	1	99	20.47	0.1114	20.19	0.1045
Middle		1	99	20.17	0.1040	19.76	0.0946
Highest		1	99	19.36	0.0863	18.91	0.0778
Limit	EIRP < 2W			Result		PASS	



Radiated Spurious Emission



LTE Band 2 / 1.4MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3758.92	-44.87	-13	-31.87	-73.51	-56.60	0.87	12.60	H
	5638.38	-42.42	-13	-29.42	-72.74	-54.45	1.07	13.10	H
	7517.84	-42.91	-13	-29.91	-74.57	-52.34	1.87	11.30	H
	3758.92	-44.54	-13	-31.54	-72.99	-56.27	0.87	12.6	V
	5638.38	-42.05	-13	-29.05	-73.18	-54.08	1.07	13.1	V
	7517.84	-43.00	-13	-30.00	-74.89	-52.43	1.87	11.3	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	-44.11	-13	-31.11	-72.75	-55.84	0.87	12.60	H
	5636.22	-41.28	-13	-28.28	-71.60	-53.31	1.07	13.10	H
	7514.96	-43.17	-13	-30.17	-74.83	-52.60	1.87	11.30	H
	3757.48	-44.80	-13	-31.80	-73.25	-56.53	0.87	12.6	V
	5636.22	-41.67	-13	-28.67	-72.8	-53.70	1.07	13.1	V
	7514.96	-42.24	-13	-29.24	-74.13	-51.67	1.87	11.3	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	-44.53	-13	-31.53	-73.17	-56.26	0.87	12.60	H
	5633.52	-42.82	-13	-29.82	-73.14	-54.85	1.07	13.10	H
	7511.36	-43.53	-13	-30.53	-75.19	-52.96	1.87	11.30	H
	3755.68	-44.32	-13	-31.32	-72.77	-56.05	0.87	12.6	V
	5633.52	-42.06	-13	-29.06	-73.19	-54.09	1.07	13.1	V
	7511.36	-42.08	-13	-29.08	-73.97	-51.51	1.87	11.3	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	-44.22	-13	-31.22	-72.86	-55.95	0.87	12.60	H
	5626.77	-41.77	-13	-28.77	-72.09	-53.80	1.07	13.10	H
	7502.36	-42.87	-13	-29.87	-74.53	-52.30	1.87	11.30	H
	3751.18	-44.60	-13	-31.60	-73.05	-56.33	0.87	12.6	V
	5626.77	-41.44	-13	-28.44	-72.57	-53.47	1.07	13.1	V
	7502.36	-42.60	-13	-29.60	-74.49	-52.03	1.87	11.3	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	-43.20	-13	-30.20	-71.84	-54.93	0.87	12.60	H
	5620.02	-40.82	-13	-27.82	-71.14	-52.85	1.07	13.10	H
	7493.36	-41.71	-13	-28.71	-73.37	-51.14	1.87	11.30	H
	3746.68	-44.17	-13	-31.17	-72.62	-55.90	0.87	12.6	V
	5620.02	-38.23	-13	-25.23	-70.28	-50.26	1.07	13.1	V
	7493.36	-41.91	-13	-28.91	-73.8	-51.34	1.87	11.3	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	-44.11	-13	-31.11	-72.75	-55.84	0.87	12.60	H
	5613.27	-42.41	-13	-29.41	-72.73	-54.44	1.07	13.10	H
	7484.36	-43.56	-13	-30.56	-75.22	-52.99	1.87	11.30	H
	3742.18	-44.22	-13	-31.22	-72.67	-55.95	0.87	12.6	V
	5613.27	-37.28	-13	-24.28	-69.12	-49.31	1.07	13.1	V
	7484.36	-41.45	-13	-28.45	-73.34	-50.88	1.87	11.3	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	-45.49	-13	-32.49	-57.29	-57.28	0.81	12.60	H
	5195.61	-39.25	-13	-26.25	-55.12	-51.00	0.95	12.70	H
	6927.48	-31.78	-13	-18.78	-51.04	-42.35	1.13	11.70	H
	3463.74	-54.30	-13	-41.30	-64.53	-66.09	0.81	12.6	V
	5195.61	-42.11	-13	-29.11	-57.23	-53.86	0.95	12.7	V
	6927.48	-31.02	-13	-18.02	-50.88	-41.59	1.13	11.7	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	3462.3	-46.18	-13	-33.18	-57.98	-57.97	0.81	12.60	H
	5193.45	-40.09	-13	-27.09	-55.96	-51.84	0.95	12.70	H
	6924.6	-33.51	-13	-20.51	-52.43	-44.08	1.13	11.70	H
	3462.3	-52.80	-13	-39.80	-63.03	-64.59	0.81	12.6	V
	5193.45	-43.37	-13	-30.37	-57.96	-55.12	0.95	12.7	V
	6924.6	-33.50	-13	-20.50	-53.15	-44.07	1.13	11.7	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	-44.78	-13	-31.78	-56.58	-56.57	0.81	12.60	H
	5191.02	-40.26	-13	-27.26	-56.13	-52.01	0.95	12.70	H
	6921.36	-34.26	-13	-21.26	-53.05	-44.83	1.13	11.70	H
	3460.68	-52.19	-13	-39.19	-62.42	-63.98	0.81	12.6	V
	5191.02	-43.56	-13	-30.56	-58.08	-55.31	0.95	12.7	V
	6921.36	-33.25	-13	-20.25	-52.88	-43.82	1.13	11.7	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	-45.98	-13	-32.98	-57.78	-57.77	0.81	12.60	H
	5184.27	-41.09	-13	-28.09	-56.96	-52.84	0.95	12.70	H
	6912.36	-34.19	-13	-21.19	-53.01	-44.76	1.13	11.70	H
	3456.18	-54.33	-13	-41.33	-64.56	-66.12	0.81	12.6	V
	5184.27	-43.34	-13	-30.34	-57.94	-55.09	0.95	12.7	V
	6912.36	-33.48	-13	-20.48	-53.12	-44.05	1.13	11.7	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	-46.08	-13	-33.08	-57.88	-57.87	0.81	12.60	H
	5177.52	-40.08	-13	-27.08	-55.95	-51.83	0.95	12.70	H
	6903.36	-33.85	-13	-20.85	-52.76	-44.42	1.13	11.70	H
	3451.68	-53.63	-13	-40.63	-63.86	-65.42	0.81	12.6	V
	5177.52	-40.98	-13	-27.98	-56.35	-52.73	0.95	12.7	V
	6903.36	-32.49	-13	-19.49	-52.25	-43.06	1.13	11.7	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	-46.45	-13	-33.45	-58.25	-58.24	0.81	12.60	H
	5170.77	-40.26	-13	-27.26	-56.13	-52.01	0.95	12.70	H
	6894.36	-33.96	-13	-20.96	-52.87	-44.53	1.13	11.70	H
	3447.18	-53.97	-13	-40.97	-64.2	-65.76	0.81	12.6	V
	5170.77	-42.13	-13	-29.13	-57.24	-53.88	0.95	12.7	V
	6894.36	-33.25	-13	-20.25	-52.88	-43.82	1.13	11.7	V

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



LTE Band 7 / 5MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	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	5065.68	-39.48	-25	-14.48	-72.15	-51.23	0.95	12.70	H
	7598.52	-38.69	-25	-13.69	-75.58	-48.93	1.46	11.70	H
	10131.36	-38.32	-25	-13.32	-76.79	-49.11	1.31	12.10	H
	5065.68	-39.78	-25	-14.78	-72.97	-51.53	0.95	12.70	V
	7598.52	-38.43	-25	-13.43	-75.31	-48.67	1.46	11.70	V
	10131.36	-40.14	-25	-15.14	-77.04	-50.93	1.31	12.10	V

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

LTE Band 7 / 10MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5061.18	-39.58	-25	-14.58	-72.18	-51.33	0.95	12.70	H
	7591.77	-38.62	-25	-13.62	-75.51	-48.86	1.46	11.70	H
	10122.36	-37.36	-25	-12.36	-75.83	-48.15	1.31	12.10	H
	5061.18	-39.42	-25	-14.42	-72.68	-51.17	0.95	12.70	V
	7591.77	-39.14	-25	-14.14	-76.02	-49.38	1.46	11.70	V
	10122.36	-40.19	-25	-15.19	-77.09	-50.98	1.31	12.10	V

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



LTE Band 7 / 15MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5056.68	-35.76	-25	-10.76	-69.94	-47.51	0.95	12.70	H
	7585.02	-37.80	-25	-12.80	-74.69	-48.04	1.46	11.70	H
	10131.36	-38.39	-25	-13.39	-76.86	-49.18	1.31	12.10	H
	5056.68	-36.34	-25	-11.34	-70.50	-48.09	0.95	12.70	V
	7585.02	-75.67	-25	-50.67	-75.67	-85.91	1.46	11.70	V
	10131.36	-40.08	-25	-15.08	-76.98	-50.87	1.31	12.10	V

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

LTE Band 7 / 20MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5052.18	-40.44	-25	-15.44	-72.60	-52.19	0.95	12.70	H
	7578.27	-38.75	-25	-13.75	-75.64	-48.99	1.46	11.70	H
	10104.36	-38.06	-25	-13.06	-76.53	-48.85	1.31	12.10	H
	5052.18	-39.02	-25	-14.02	-72.35	-50.7706	0.95	12.70	V
	7578.27	-38.02	-25	-13.02	-74.9	-48.2556	1.46	11.70	V
	10104.36	-39.87	-25	-14.87	-76.77	-50.6556	1.31	12.10	V

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