Appendix F. Spectrum Plots From RB Size

Operation Band	Bandwidth	Modulation	RB Size/Offset	OBW99%(MHZ)
LTE Band 2	1.4MHz	QPSK	1RB / Offset 0	0.27
			1RB / Offset 5	0.28
			3RB / Offset 2	0.63
			6RB / Offset 0	1.10
		16QAM	1RB / Offset 0	0.28
			1RB / Offset 5	0.29
			3RB / Offset 2	0.60
			6RB / Offset 0	1.10
	3MHz	QPSK	1RB / Offset 0	0.41
			1RB / Offset 14	0.40
			8RB / Offset 4	1.58
			15RB / Offset 0	2.74
		16QAM	1RB / Offset 0	0.41
			1RB / Offset 14	0.41
			8RB / Offset 4	1.60
			15RB / Offset 0	2.74
	5MHz	QPSK	1RB / Offset 0	0.46
			1RB / Offset 24	0.48
			12RB / Offset 6	2.28
			25RB / Offset 0	4.50
		16QAM	1RB / Offset 0	0.46
			1RB / Offset 24	0.50
			12RB / Offset 6	2.28
			25RB / Offset 0	4.52
	10MHz	QPSK	1RB / Offset 0	0.96
			1RB / Offset 49	1.00
			25RB / Offset 13	4.80
			50RB / Offset 0	9.16
		16QAM	1RB / Offset 0	0.96
			1RB / Offset 49	0.96
			25RB / Offset 13	4.84
			50RB / Offset 0	9.12
	15MHz	QPSK	1RB / Offset 0	1.14
			1RB / Offset 74	1.08
			36RB / Offset 18	6.72
			75RB / Offset 0	13.50
		16QAM	1RB / Offset 0	1.14
			1RB / Offset 74	1.14
			36RB / Offset 18	6.84
			75RB / Offset 0	13.56
	20MHz	QPSK	1RB / Offset 0	1.12
			1RB / Offset 99	1.12
			50RB / Offset 25	9.20
			100RB / Offset 0	18.00
		16QAM	1RB / Offset 0	1.20
			1RB / Offset 99	1.20
			50RB / Offset 25	9.20
			100RB / Offset 0	18.00

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Operation Band	Bandwidth	Modulation	RB Size/Offset	OBW99%(MHZ)
LTE Band 4	1.4MHz	QPSK	1RB / Offset 0	0.27
			1RB / Offset 5	0.28
			3RB / Offset 2	0.63
			6RB / Offset 0	1.10
		16QAM	1RB / Offset 0	0.27
			1RB / Offset 5	0.27
			3RB / Offset 2	0.60
			6RB / Offset 0	1.10
	3MHz	QPSK	1RB / Offset 0	0.40
			1RB / Offset 14	0.40
			8RB / Offset 4	1.58
			15RB / Offset 0	2.74
		16QAM	1RB / Offset 0	0.38
			1RB / Offset 14	0.41
			8RB / Offset 4	1.60
			15RB / Offset 0	2.74
	5MHz	QPSK	1RB / Offset 0	0.46
			1RB / Offset 24	0.46
			12RB / Offset 6	2.28
			25RB / Offset 0	4.52
		16QAM	1RB / Offset 0	0.46
			1RB / Offset 24	0.44
			12RB / Offset 6	2.28
			25RB / Offset 0	4.50
	10MHz	QPSK	1RB / Offset 0	0.96
			1RB / Offset 49	0.96
			25RB / Offset 13	4.84
			50RB / Offset 0	9.16
		16QAM	1RB / Offset 0	0.96
			1RB / Offset 49	0.96
			25RB / Offset 13	4.88
			50RB / Offset 0	9.12
	15MHz	QPSK	1RB / Offset 0	1.08
			1RB / Offset 74	1.02
			36RB / Offset 18	6.72
			75RB / Offset 0	13.56
		16QAM	1RB / Offset 0	1.14
			1RB / Offset 74	1.02
			36RB / Offset 18	6.78
			75RB / Offset 0	13.56
	20MHz	QPSK	1RB / Offset 0	1.12
			1RB / Offset 99	1.12
			50RB / Offset 25	9.20
			100RB / Offset 0	18.00
		16QAM	1RB / Offset 0	1.12
			1RB / Offset 99	1.12
			50RB / Offset 25	9.20
			100RB / Offset 0	18.00

LTE Band 2
Bandwidth 1.4M

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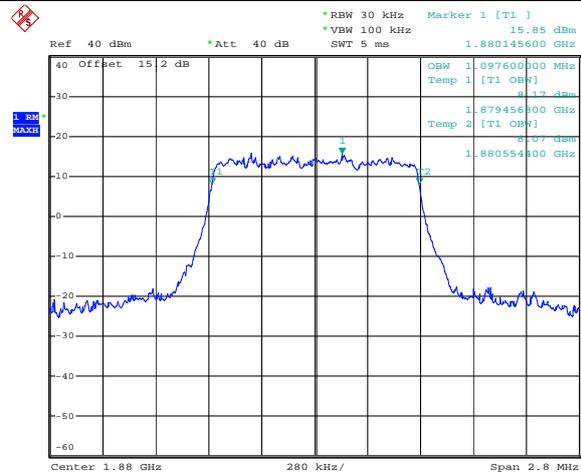
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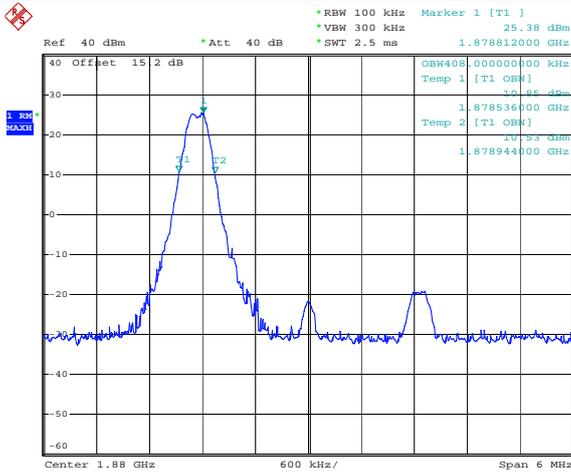
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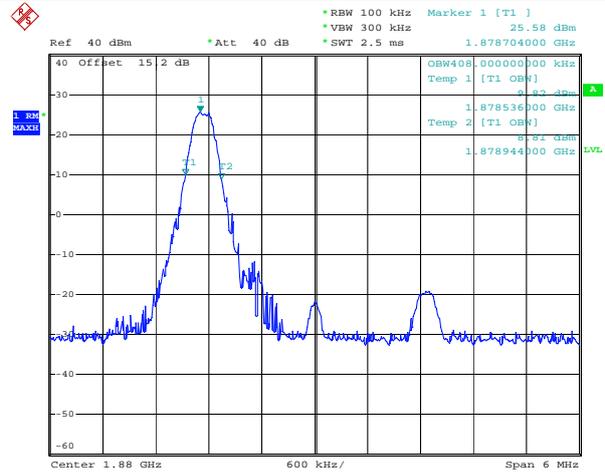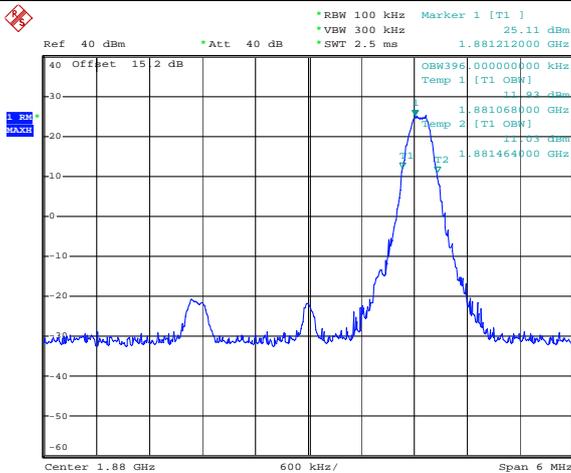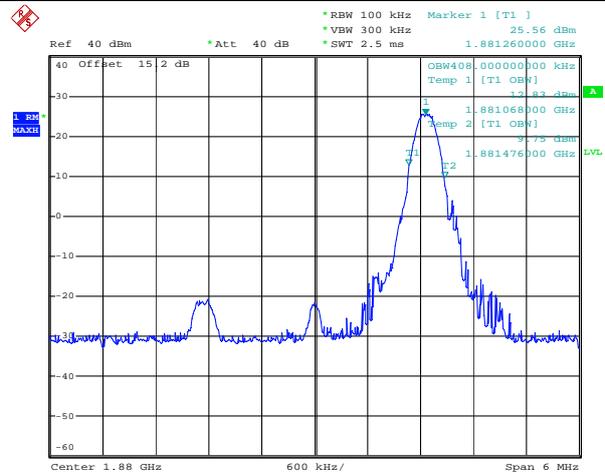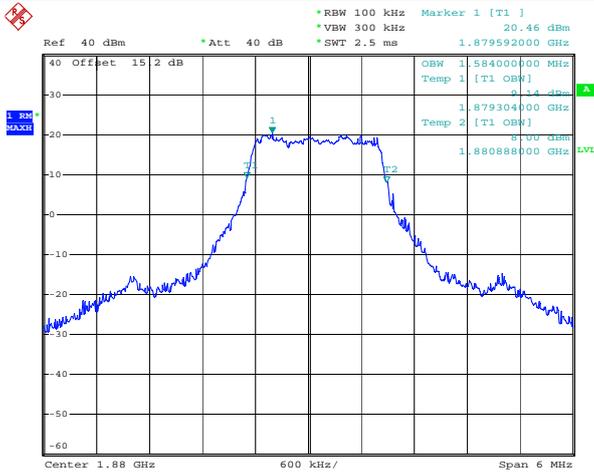
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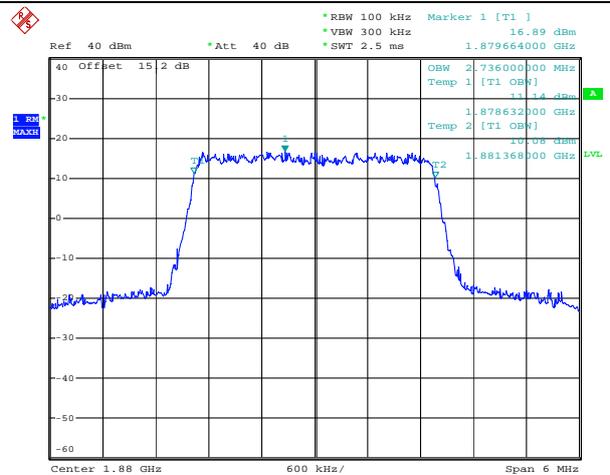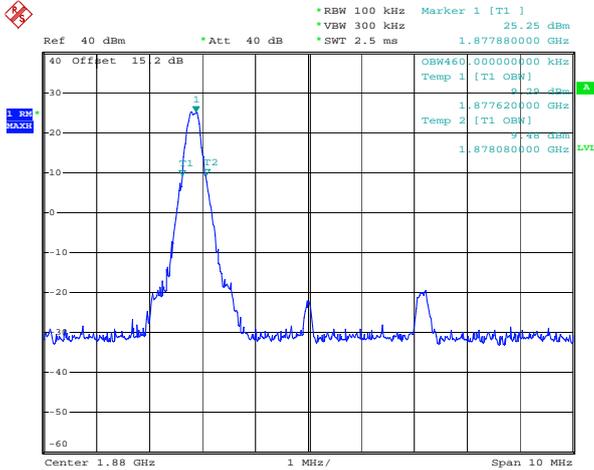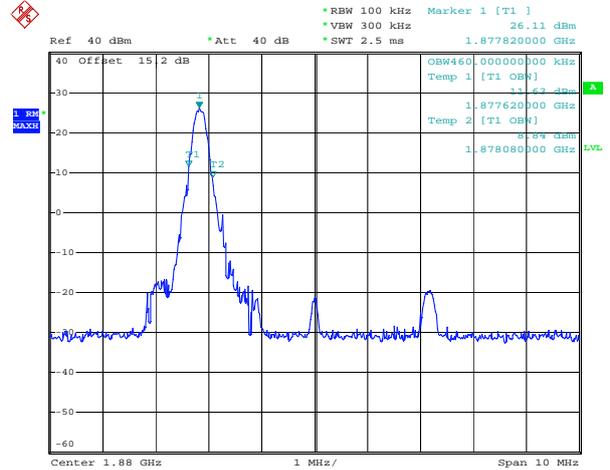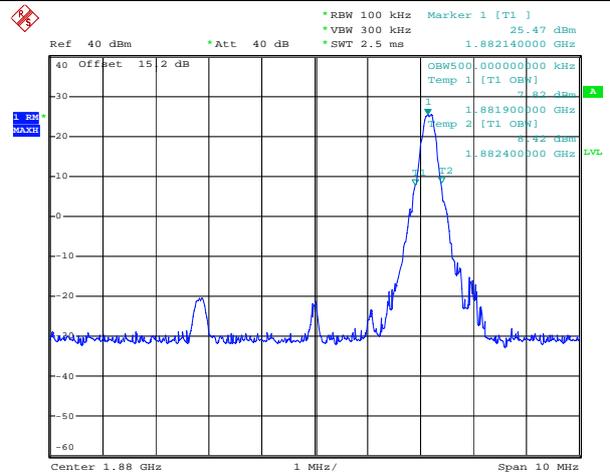
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LTE Band 2
Bandwidth 1.4M

Date: 28.JUL.2012 04:16:53

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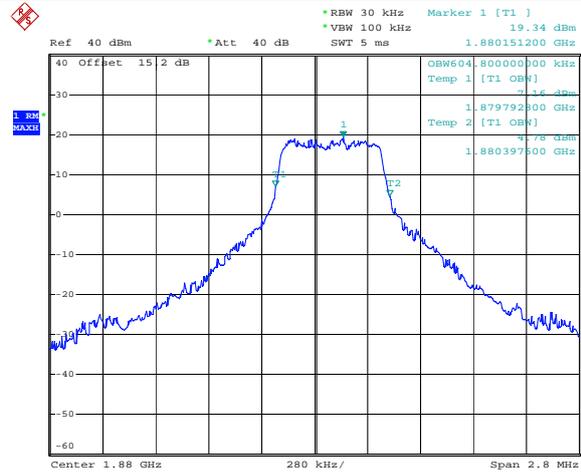
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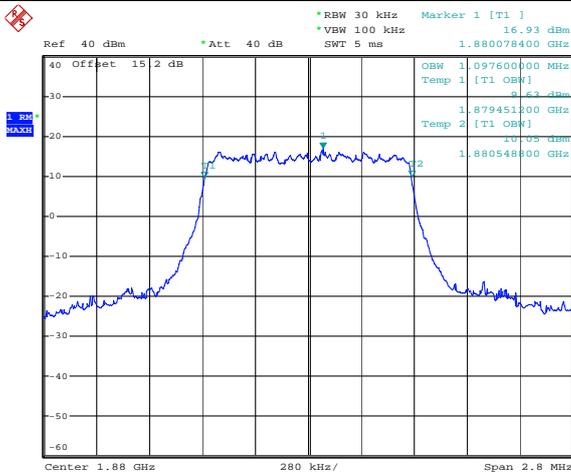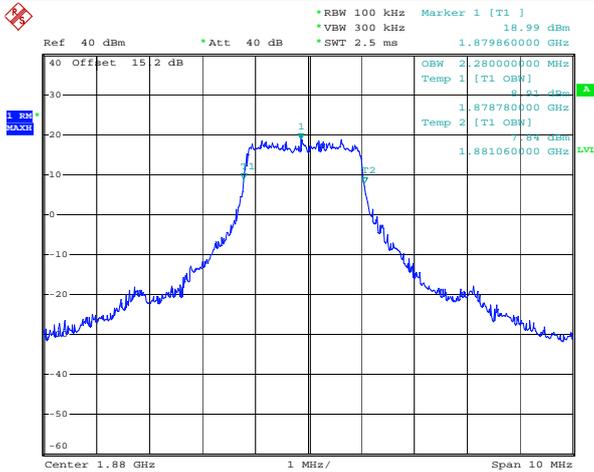

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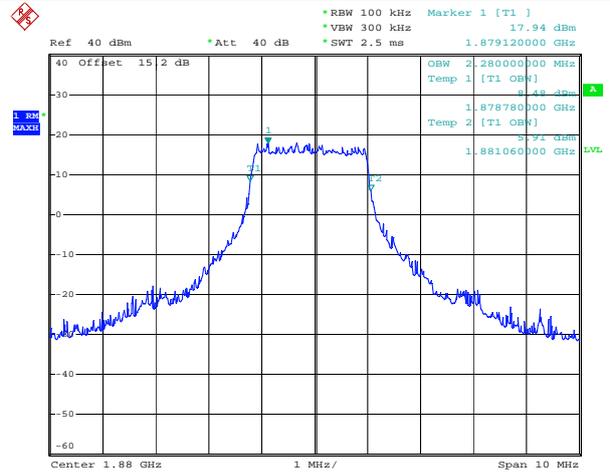

Date: 28.JUL.2012 04:17:59

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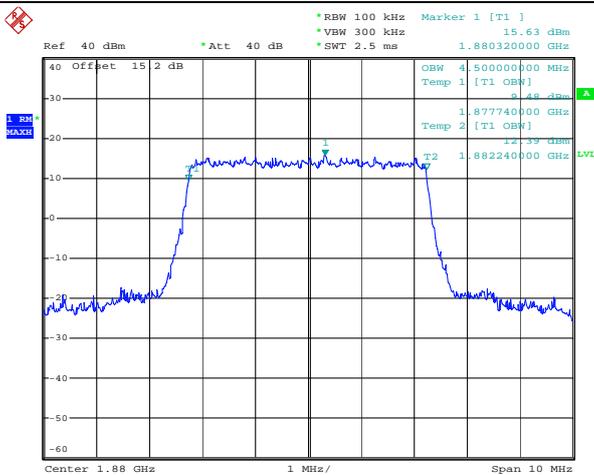
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Bandwidth 3M

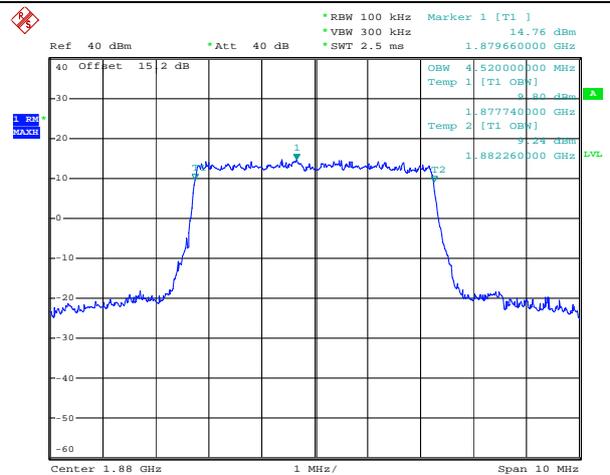Date: 28.JUL.2012 04:54:04

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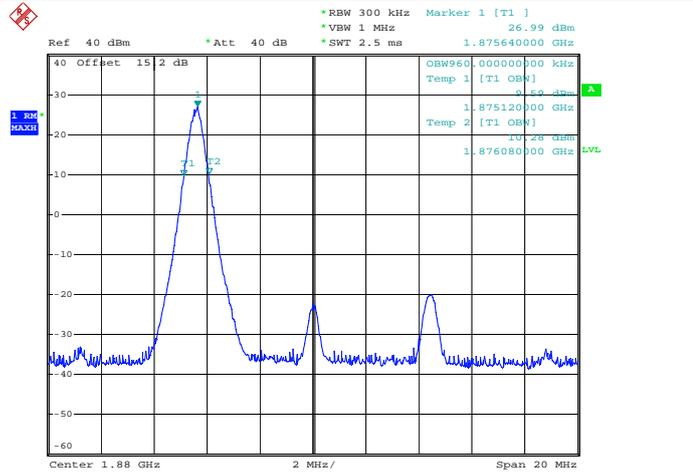

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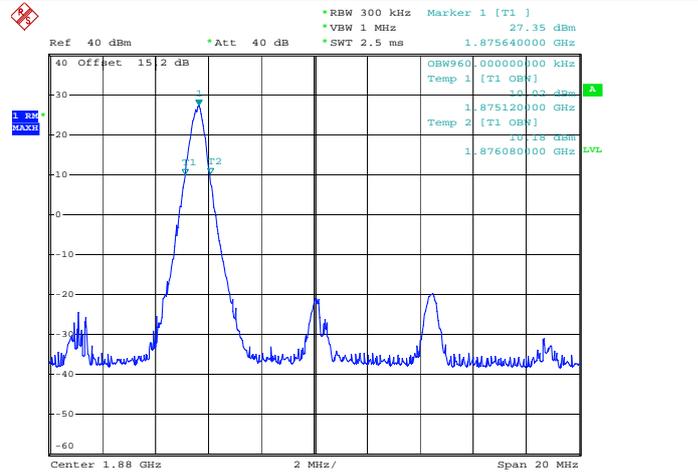1RB Size, RB Offset 14, 16QAM
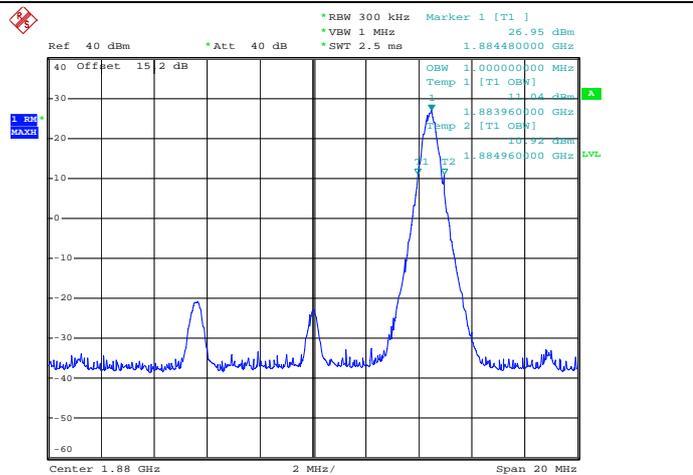
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Bandwidth 3M

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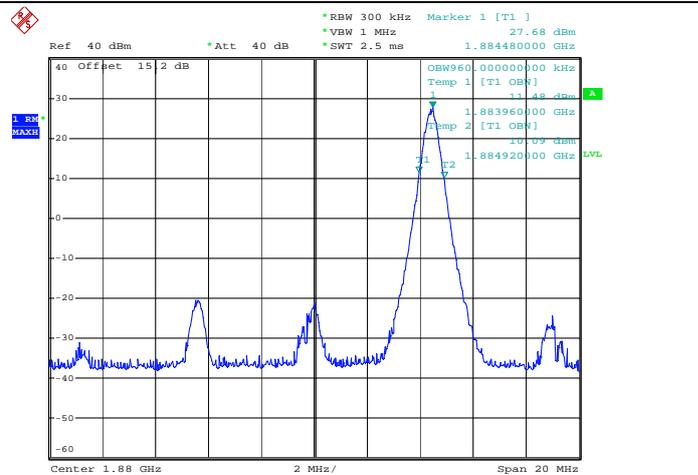
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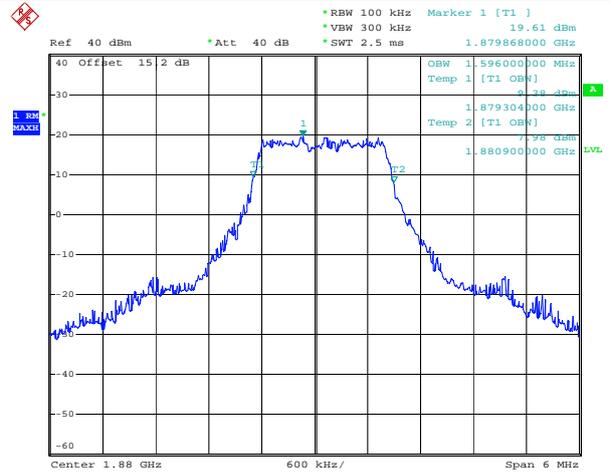
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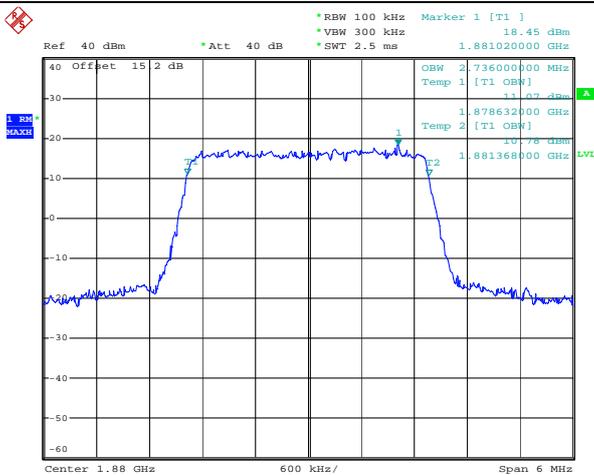
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Date: 28.JUL.2012 04:57:16

15RB Size, RB Offset 0, 16QAM

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LTE Band 2

Bandwidth 5M

Date: 28.JUL.2012 04:59:12

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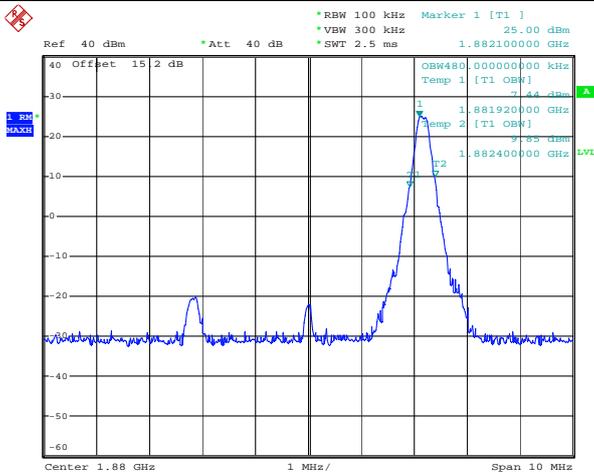
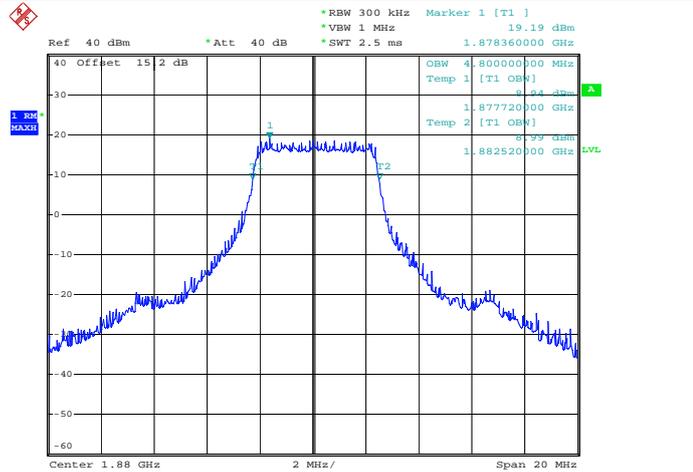Date: 28.JUL.2012 05:01:39

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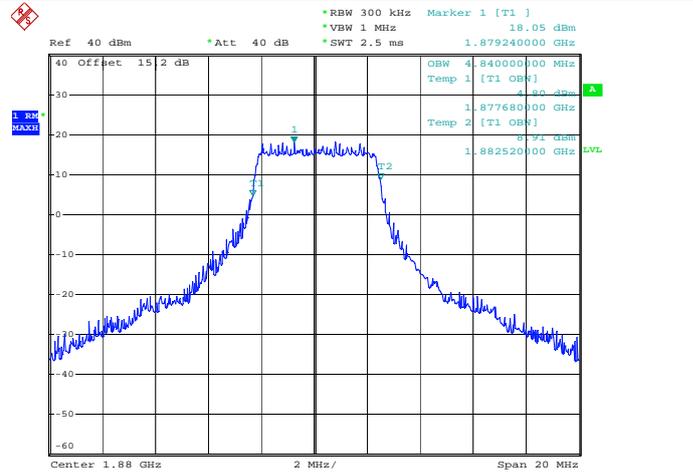
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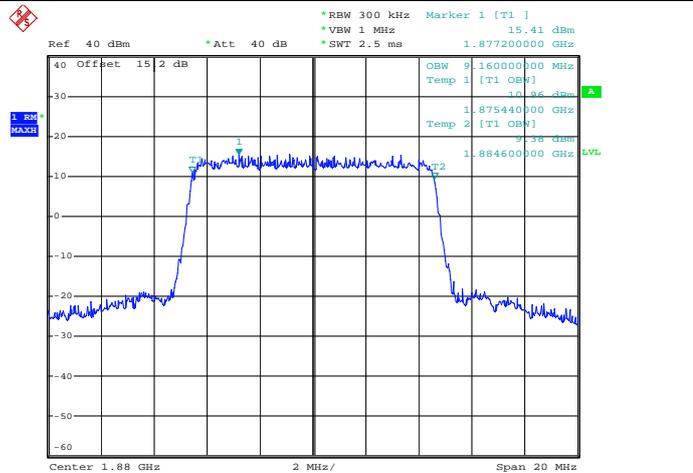
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Bandwidth 5M

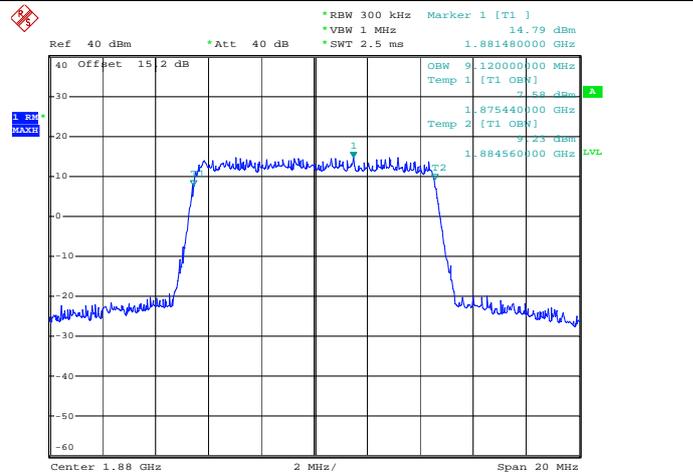Date: 28.JUL.2012 05:02:35

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Date: 28.JUL.2012 05:03:13

12RB Size, RB Offset 6, 16QAM

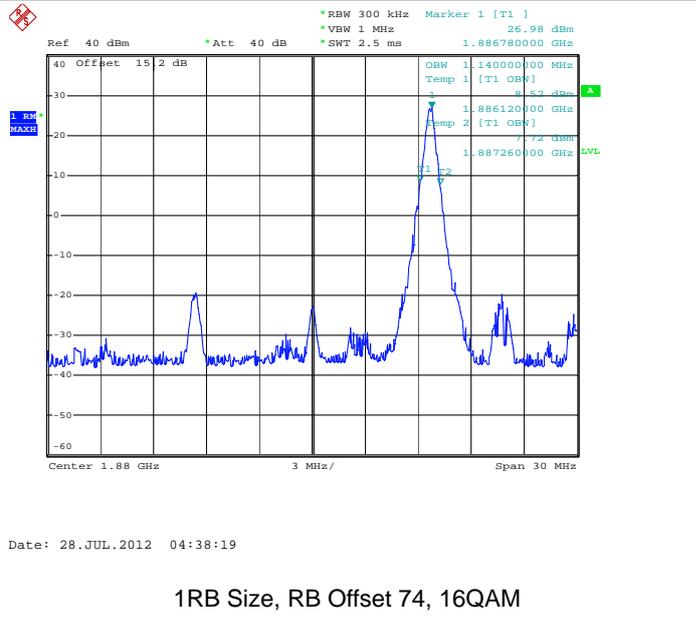

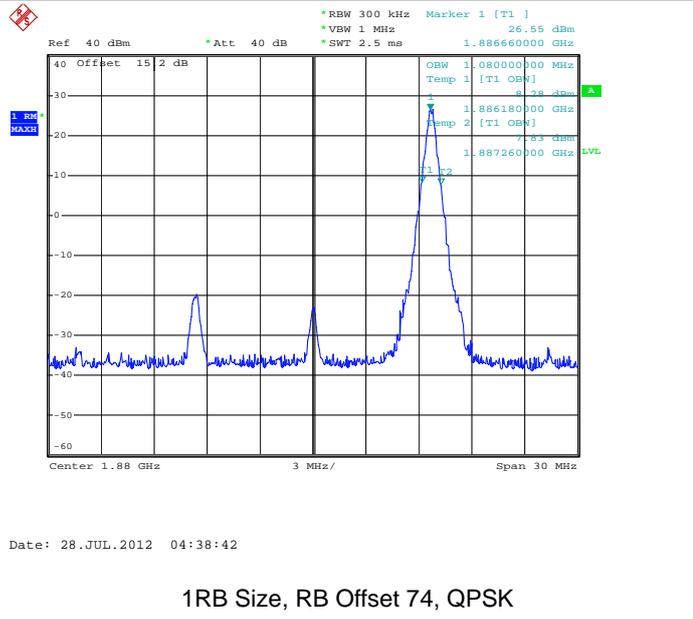Date: 28.JUL.2012 05:05:07

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Date: 28.JUL.2012 05:04:29

25RB Size, RB Offset 0, 16QAM

LTE Band 2
Bandwidth 10M

Date: 28.JUL.2012 04:31:38

1RB Size, RB Offset 0, QPSK

Date: 28.JUL.2012 04:32:11

1RB Size, RB Offset 0, 16QAM

Date: 28.JUL.2012 04:33:19

1RB Size, RB Offset 49, QPSK

Date: 28.JUL.2012 04:32:56

1RB Size, RB Offset 49, 16QAM

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LTE Band 2

Bandwidth 10M

Date: 28.JUL.2012 04:34:08

25RB Size, RB Offset 13, QPSK

Date: 28.JUL.2012 04:34:30

25RB Size, RB Offset 13, 16QAM

Date: 28.JUL.2012 04:36:05

50RB Size, RB Offset 0, QPSK

Date: 28.JUL.2012 04:34:47
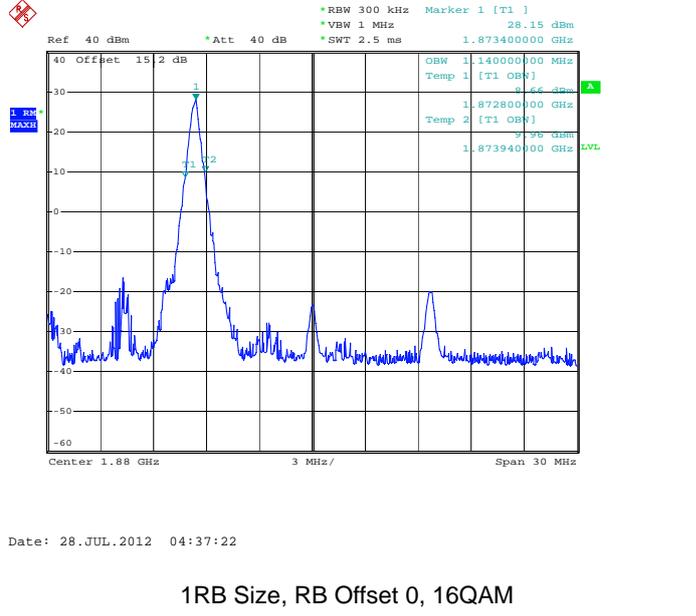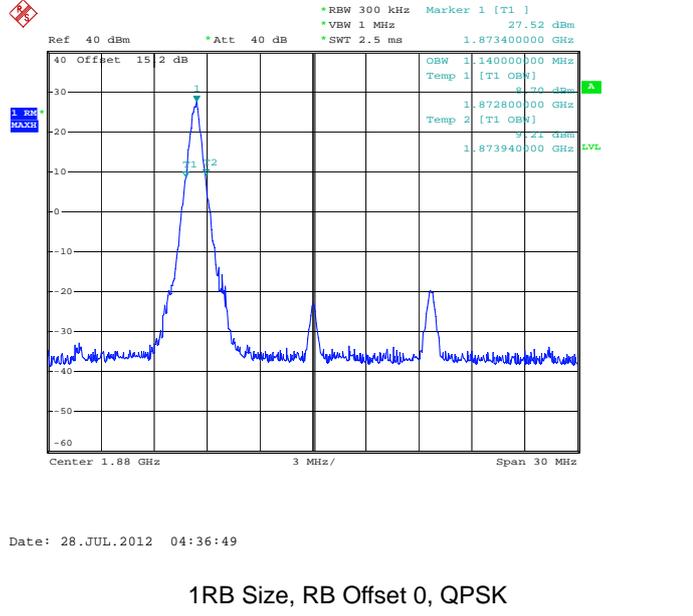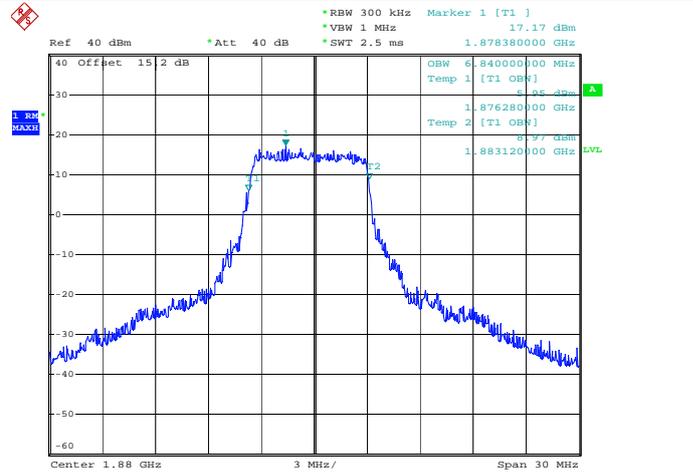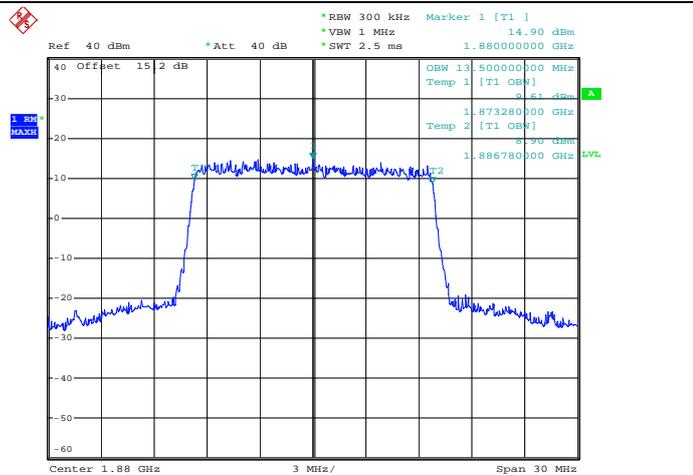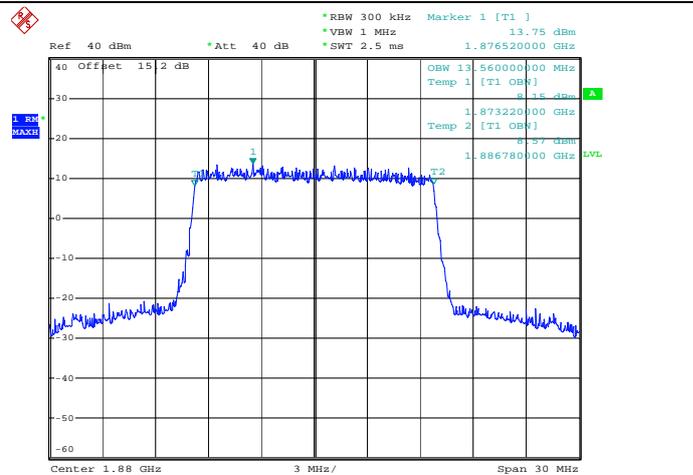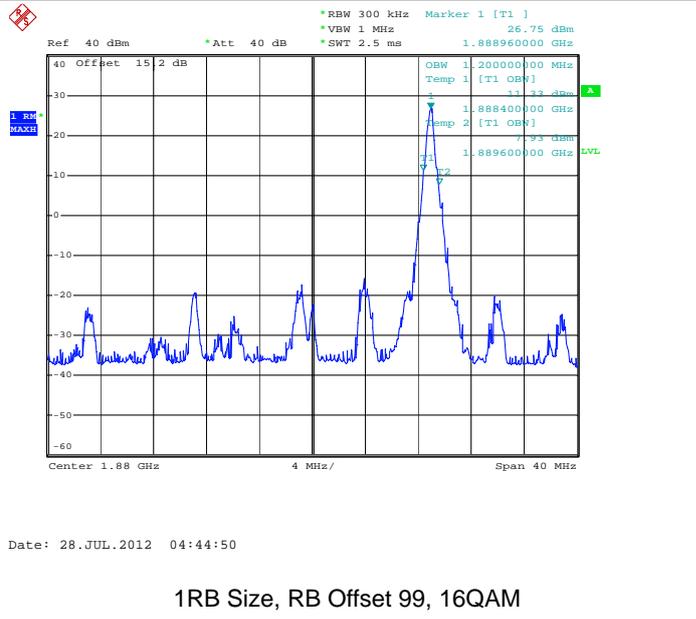
50RB Size, RB Offset 0, 16QAM

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LTE Band 2

Bandwidth 15M

Date: 28.JUL.2012 04:36:49

1RB Size, RB Offset 0, QPSK

Date: 28.JUL.2012 04:37:22

1RB Size, RB Offset 0, 16QAM

Date: 28.JUL.2012 04:38:42

1RB Size, RB Offset 74, QPSK

Date: 28.JUL.2012 04:38:19

1RB Size, RB Offset 74, 16QAM

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LTE Band 2
Bandwidth 15M

Date: 28.JUL.2012 04:39:19

36RB Size, RB Offset 18, QPSK

Date: 28.JUL.2012 04:39:55

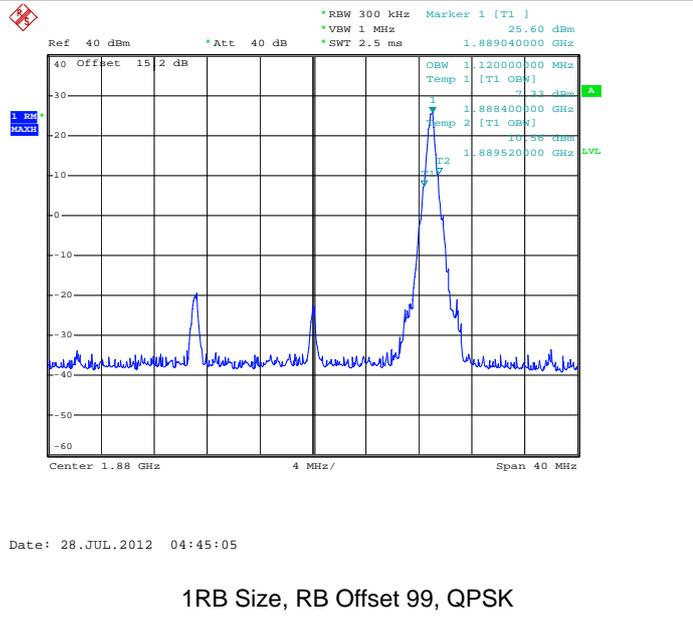36RB Size, RB Offset 18, 16QAM

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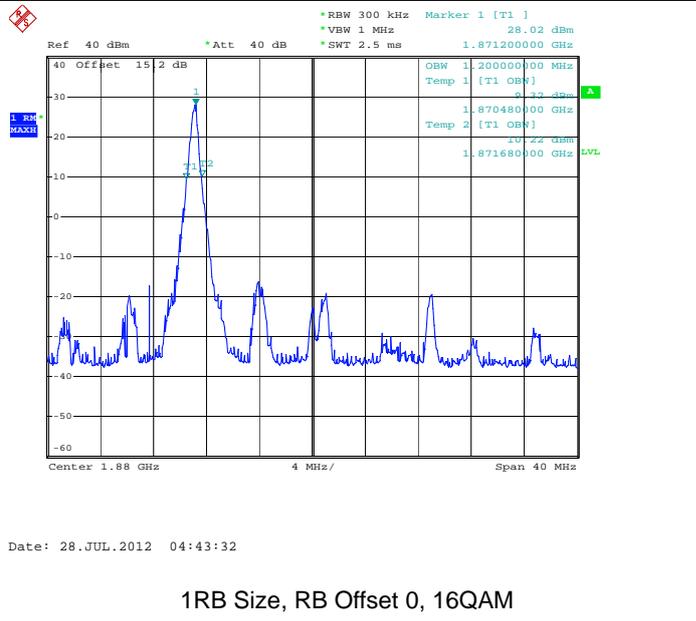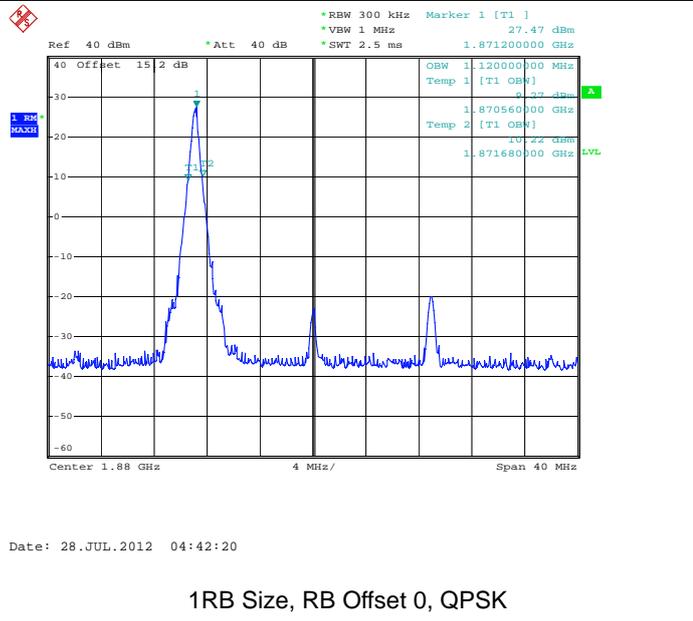
75RB Size, RB Offset 0, 16QAM

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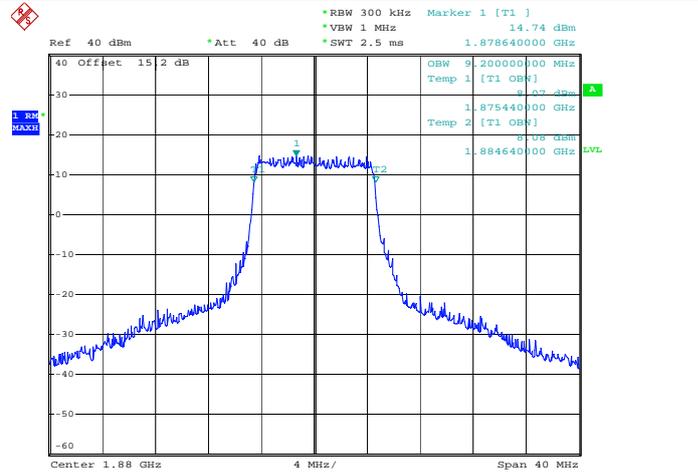Report Version   : Rev. 01

LTE Band 2

Bandwidth 20M
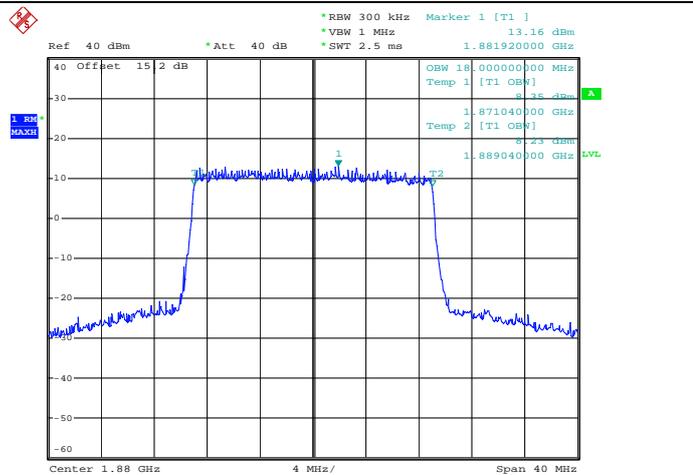

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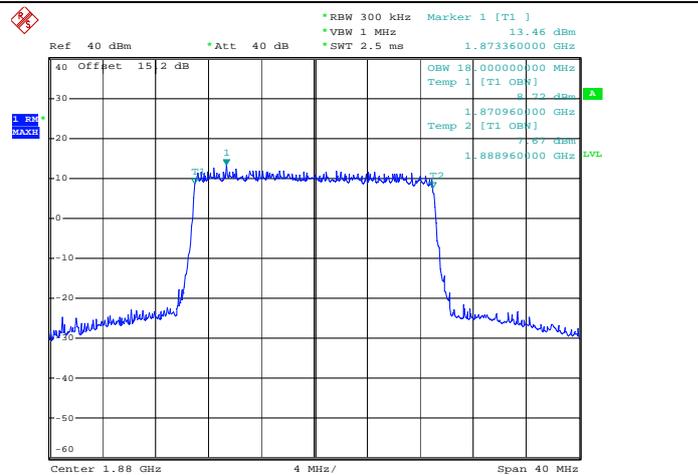

Date: 28.JUL.2012 04:43:32

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Date: 28.JUL.2012 04:45:05

1RB Size, RB Offset 99, QPSK

Date: 28.JUL.2012 04:44:50

1RB Size, RB Offset 99, 16QAM

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LTE Band 2

Bandwidth 20M

Date: 28.JUL.2012 04:45:55

50RB Size, RB Offset 25, QPSK

Date: 28.JUL.2012 04:46:21

50RB Size, RB Offset 25, 16QAM

Date: 28.JUL.2012 04:47:47
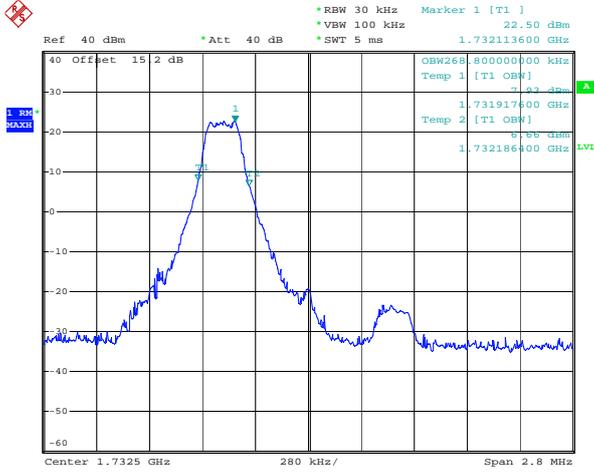
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Date: 28.JUL.2012 04:47:00
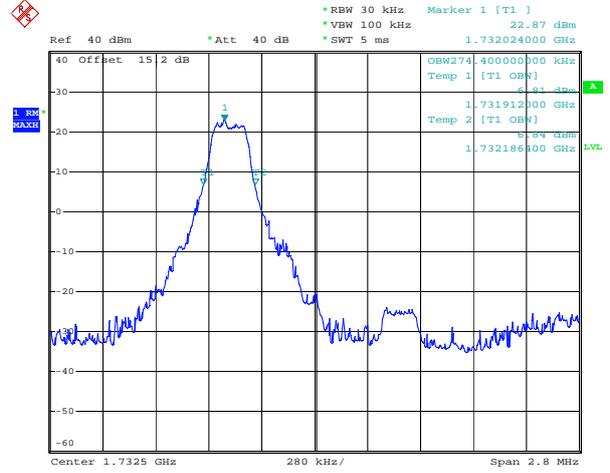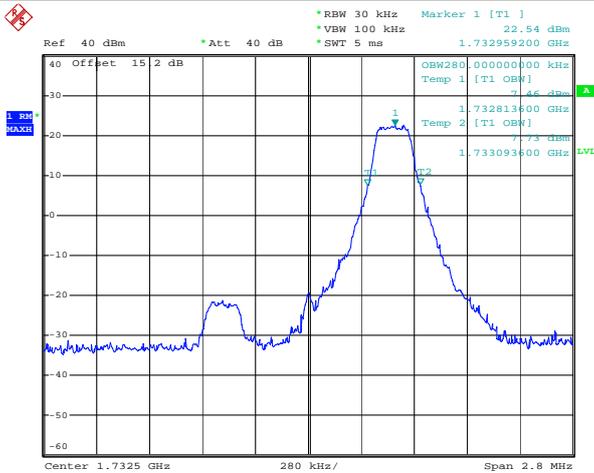
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LTE Band 4

Bandwidth 1.4M

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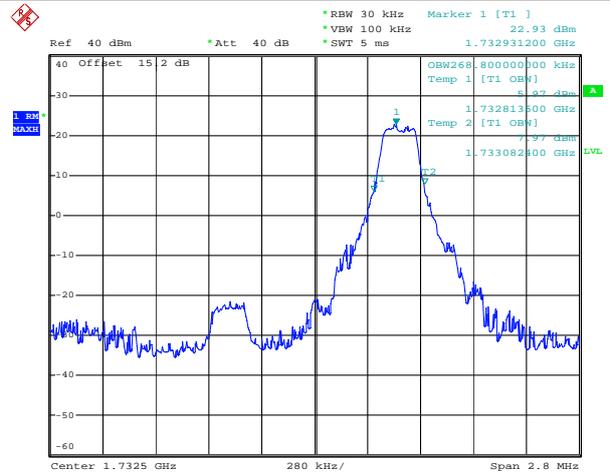1RB Size, RB Offset 0, QPSK

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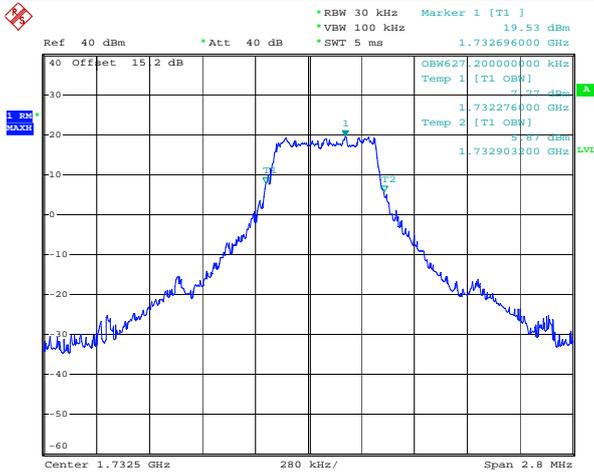Date: 28.JUL.2012 05:14:02

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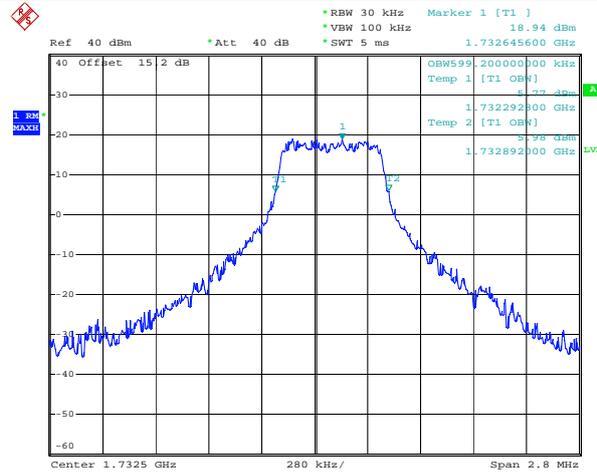Date: 28.JUL.2012 05:13:18

1RB Size, RB Offset 5, 16QAM

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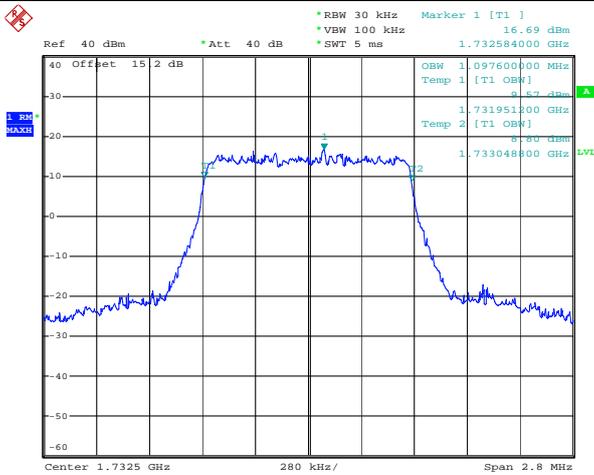## LTE Band 4

Bandwidth 1.4M

Date: 28.JUL.2012 05:15:08
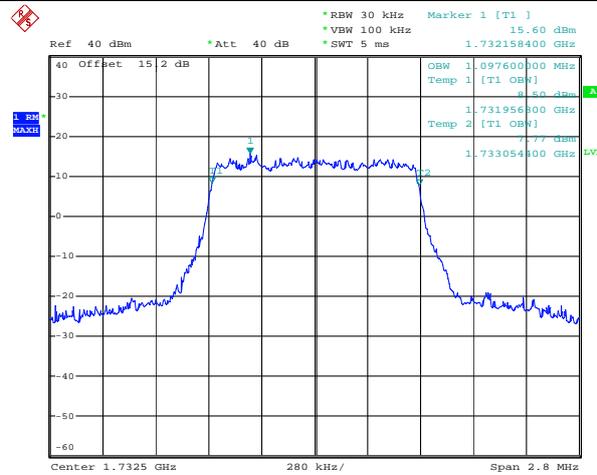
3RB Size, RB Offset 2, QPSK

Date: 28.JUL.2012 05:16:04

3RB Size, RB Offset 2, 16QAM
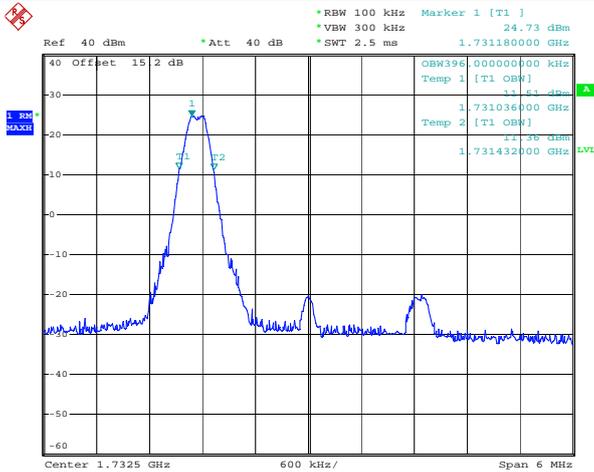

Date: 28.JUL.2012 05:16:50

6RB Size, RB Offset 0, QPSK

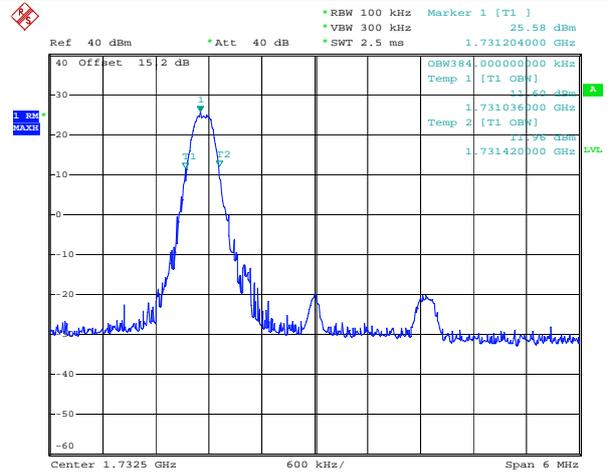Date: 28.JUL.2012 05:16:27

6RB Size, RB Offset 0, 16QAM

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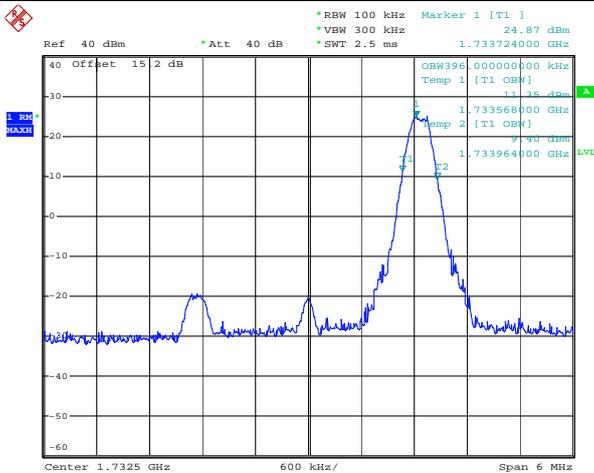## LTE Band 4

Bandwidth 3M

Date: 28.JUL.2012 05:21:15
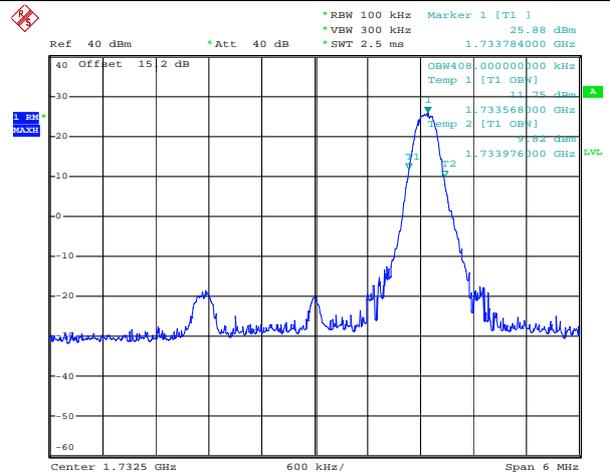
1RB Size, RB Offset 0, QPSK

Date: 28.JUL.2012 05:21:34

1RB Size, RB Offset 0, 16QAM

Date: 28.JUL.2012 05:23:06
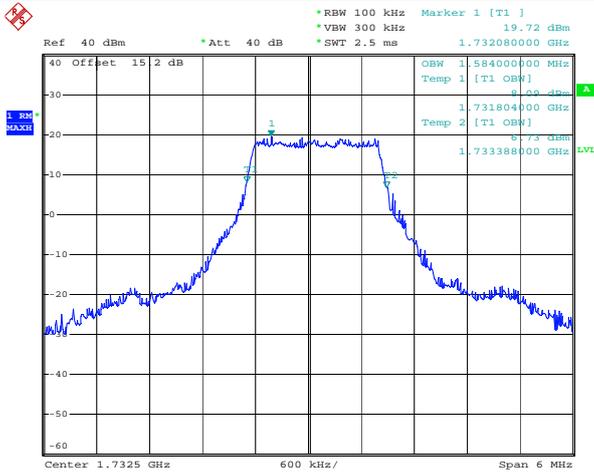
1RB Size, RB Offset 14, QPSK

Date: 28.JUL.2012 05:22:35
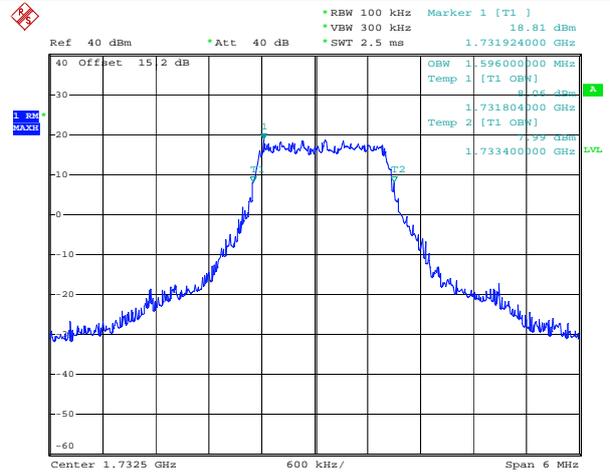
1RB Size, RB Offset 14, 16QAM

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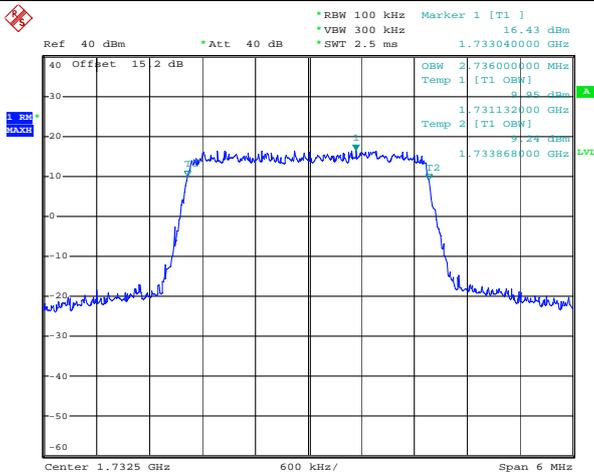
LTE Band 4

Bandwidth 3M

Date: 28.JUL.2012 05:24:34
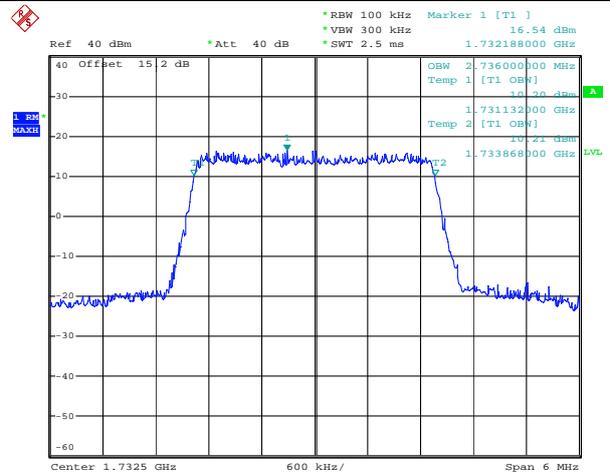
8RB Size, RB Offset 4, QPSK

Date: 28.JUL.2012 05:24:53

8RB Size, RB Offset 4, 16QAM

Date: 28.JUL.2012 05:25:37
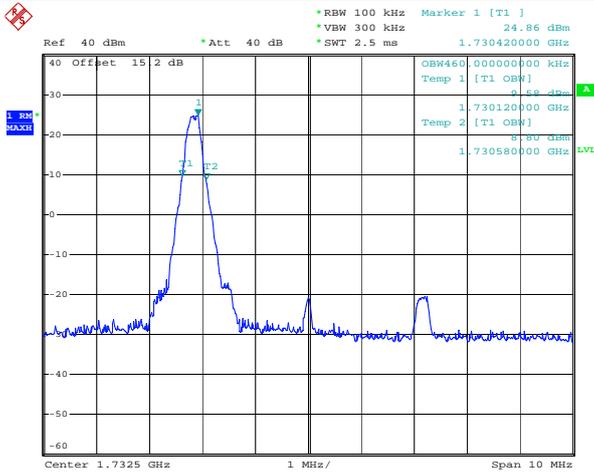
15RB Size, RB Offset 0, QPSK

Date: 28.JUL.2012 05:25:22
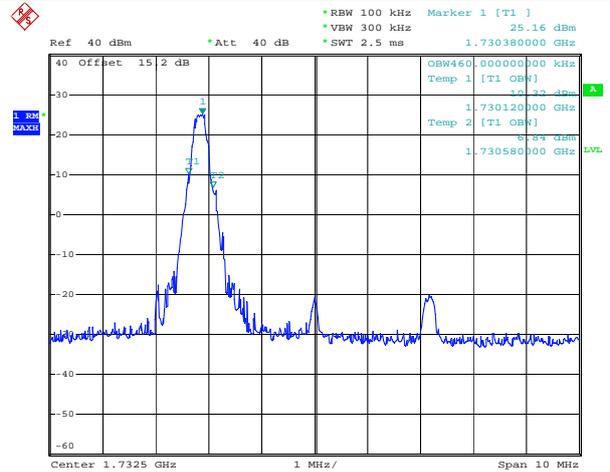
15RB Size, RB Offset 0, 16QAM

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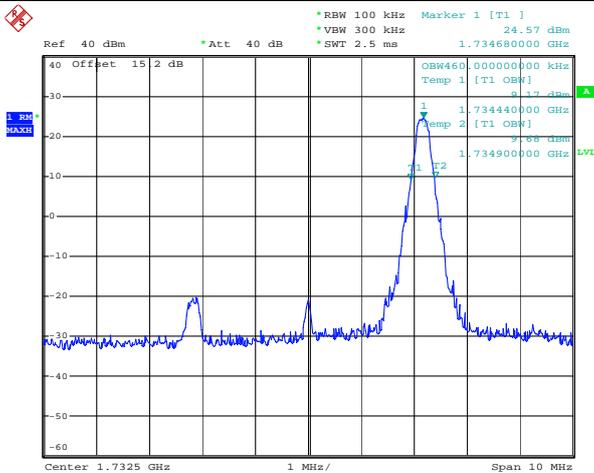
LTE Band 4

Bandwidth 5M

Date: 28.JUL.2012 05:26:47
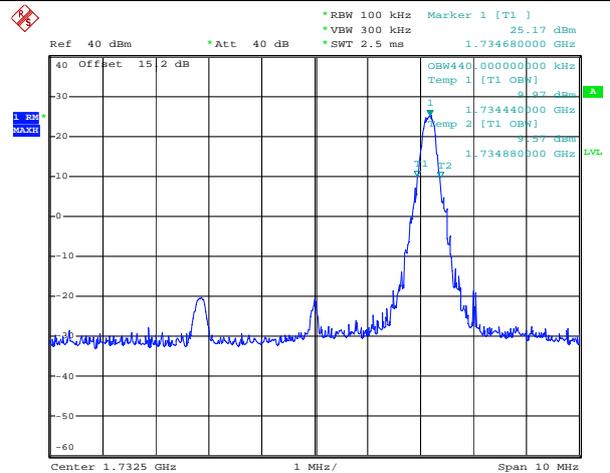
1RB Size, RB Offset 0, QPSK

Date: 28.JUL.2012 05:27:04

1RB Size, RB Offset 0, 16QAM

Date: 28.JUL.2012 05:27:49
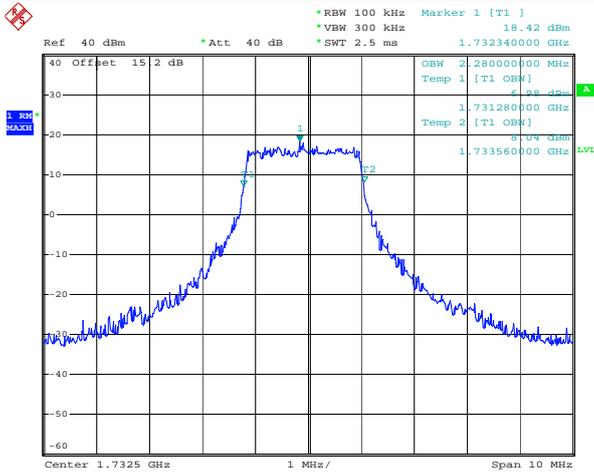
1RB Size, RB Offset 24, QPSK

Date: 28.JUL.2012 05:27:32

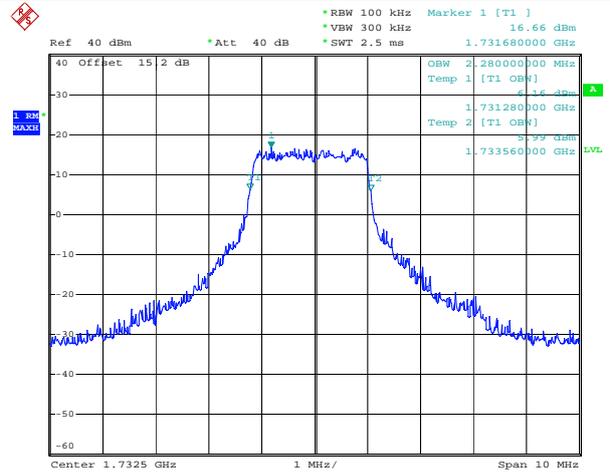1RB Size, RB Offset 24, 16QAM

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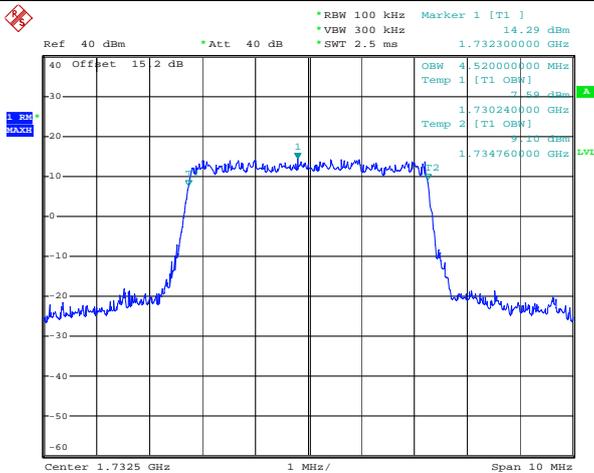| LTE Band 4 |
|---|
| Bandwidth 5M |

Date: 28.JUL.2012 05:28:24

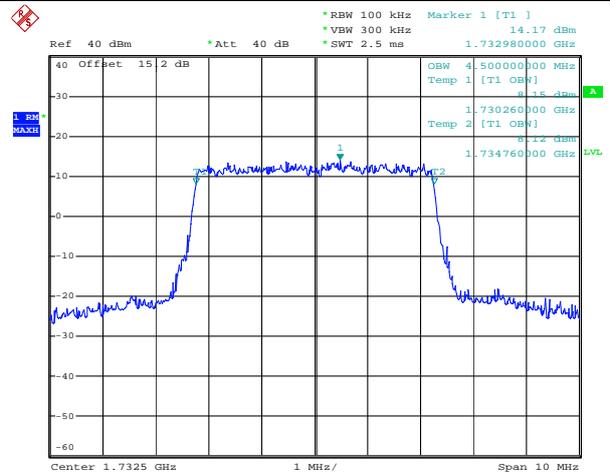12RB Size, RB Offset 6, QPSK

Date: 28.JUL.2012 05:28:40

12RB Size, RB Offset 6, 16QAM

Date: 28.JUL.2012 05:29:19

25RB Size, RB Offset 0, QPSK

Date: 28.JUL.2012 05:29:04

25RB Size, RB Offset 0, 16QAM

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Bandwidth 10M

Date: 28.JUL.2012 05:30:10

1RB Size, RB Offset 0, QPSK

Date: 28.JUL.2012 05:30:50

1RB Size, RB Offset 0, 16QAM

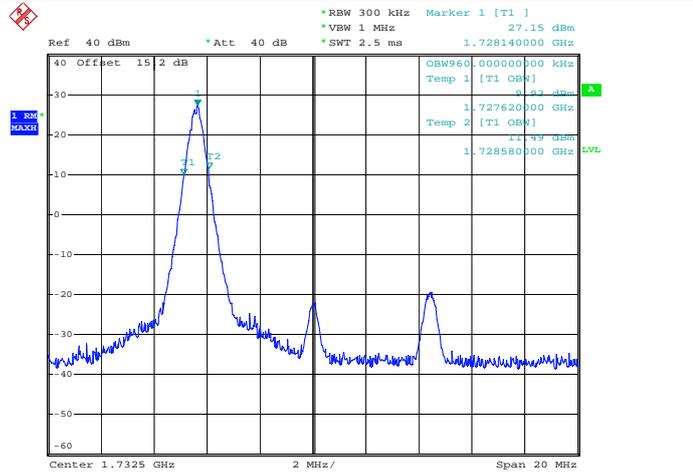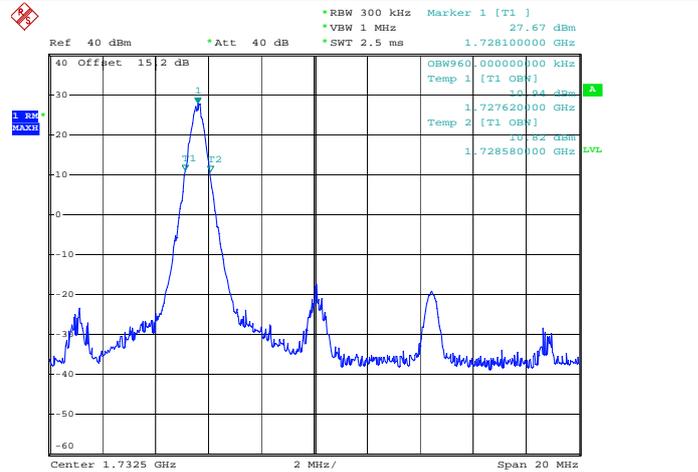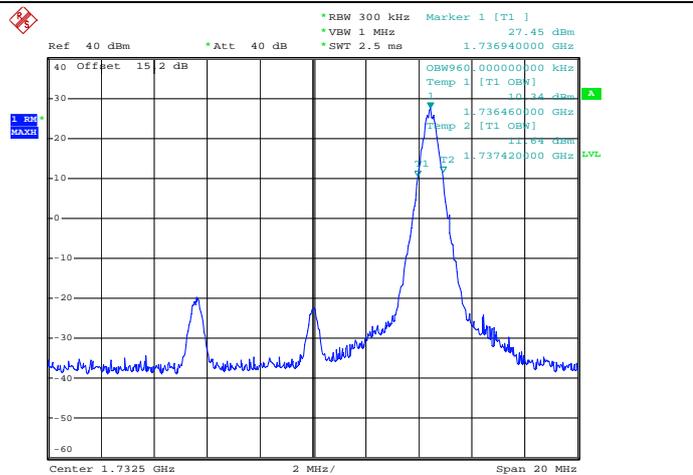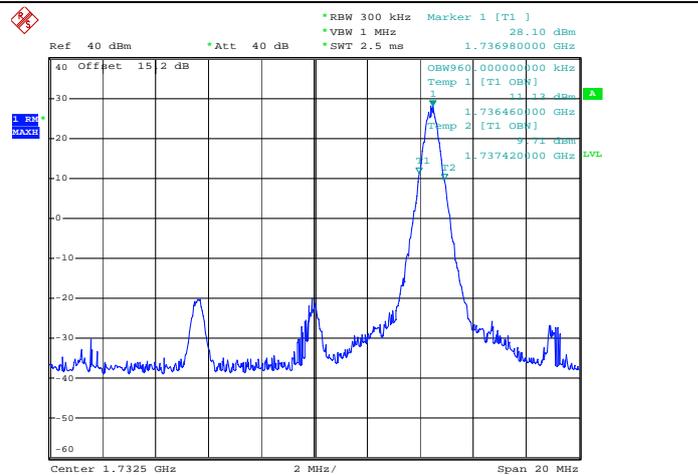

Date: 28.JUL.2012 05:31:36

1RB Size, RB Offset 49, QPSK

Date: 28.JUL.2012 05:31:18

1RB Size, RB Offset 49, 16QAM

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Bandwidth 10M

Date: 28.JUL.2012 05:32:28

25RB Size, RB Offset 13, QPSK

Date: 28.JUL.2012 05:32:49

25RB Size, RB Offset 13, 16QAM

Date: 28.JUL.2012 05:33:34

50RB Size, RB Offset 0, QPSK

Date: 28.JUL.2012 05:33:12

50RB Size, RB Offset 0, 16QAM

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Bandwidth 15M

Date: 28.JUL.2012 05:34:15

1RB Size, RB Offset 0, QPSK

Date: 28.JUL.2012 05:35:15

1RB Size, RB Offset 0, 16QAM

Date: 28.JUL.2012 05:37:09
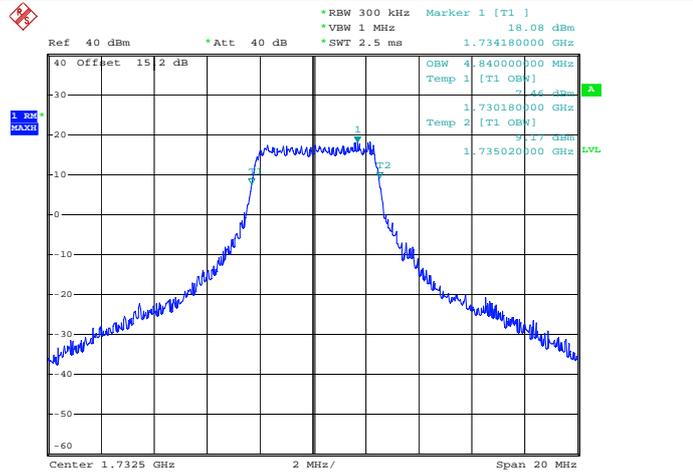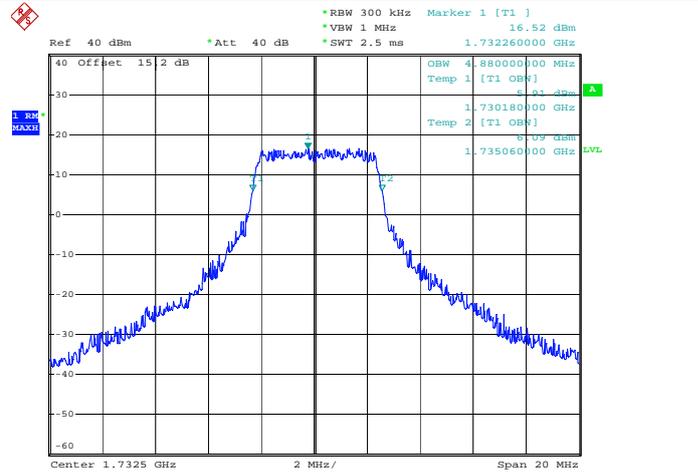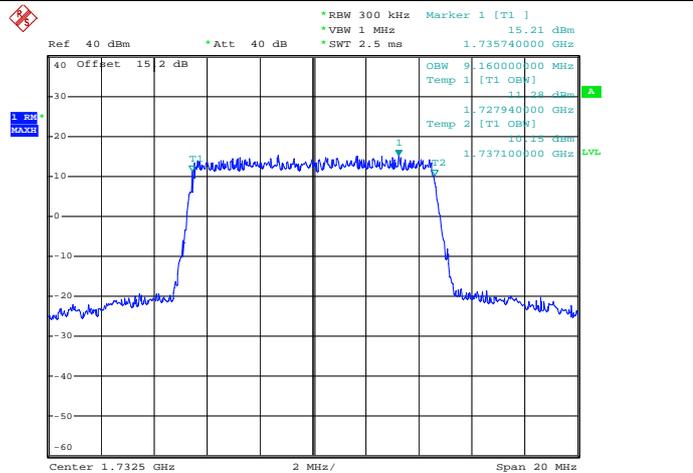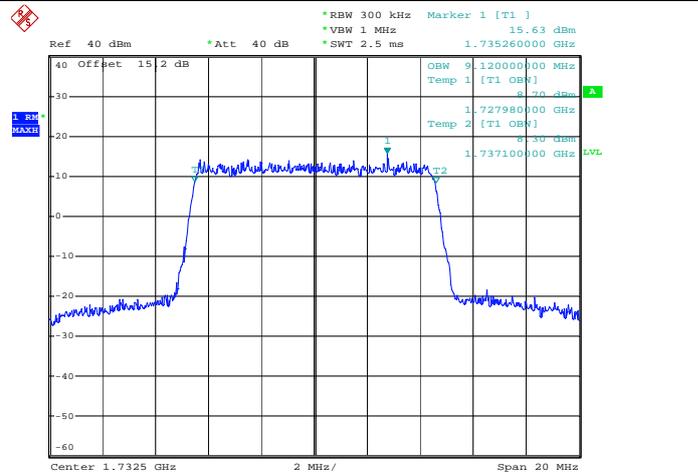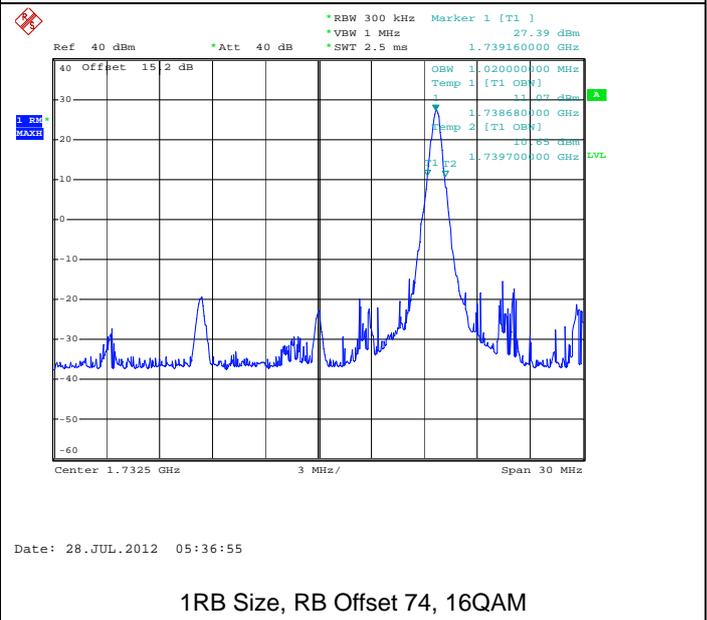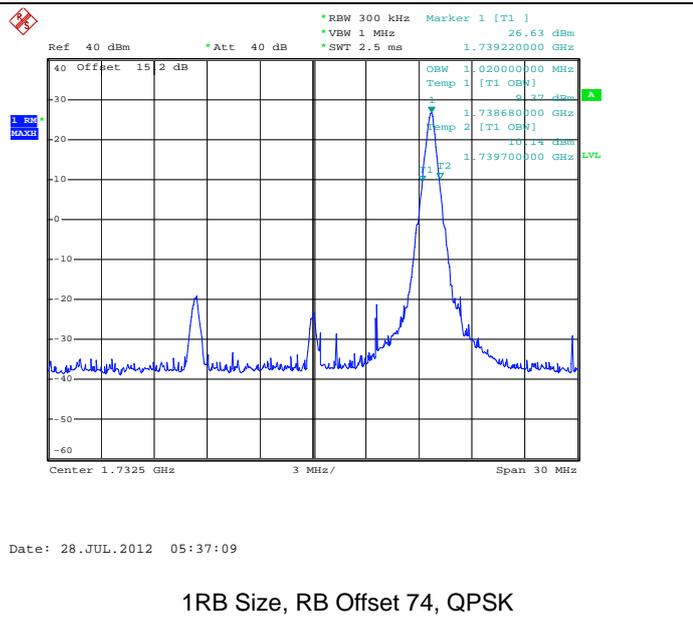
1RB Size, RB Offset 74, QPSK

Date: 28.JUL.2012 05:36:55

1RB Size, RB Offset 74, 16QAM

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Bandwidth 15M

Date: 28.JUL.2012 05:38:35

36RB Size, RB Offset 18, QPSK

Date: 28.JUL.2012 05:38:56

36RB Size, RB Offset 18, 16QAM

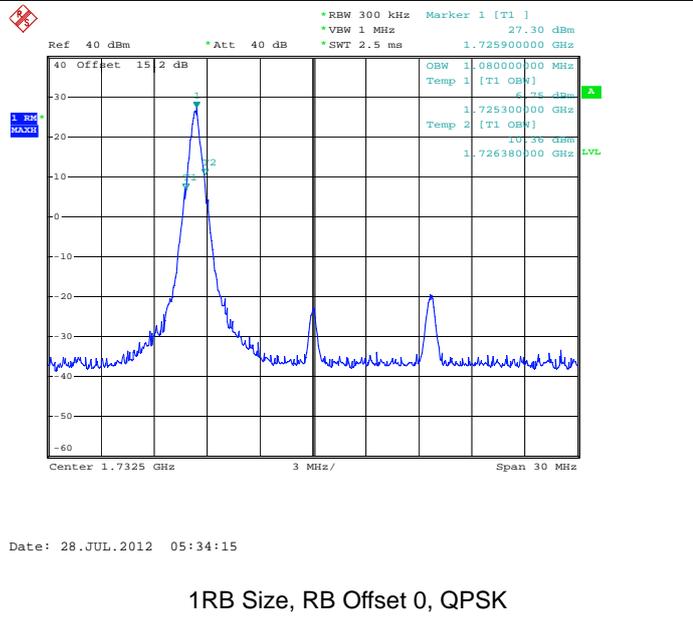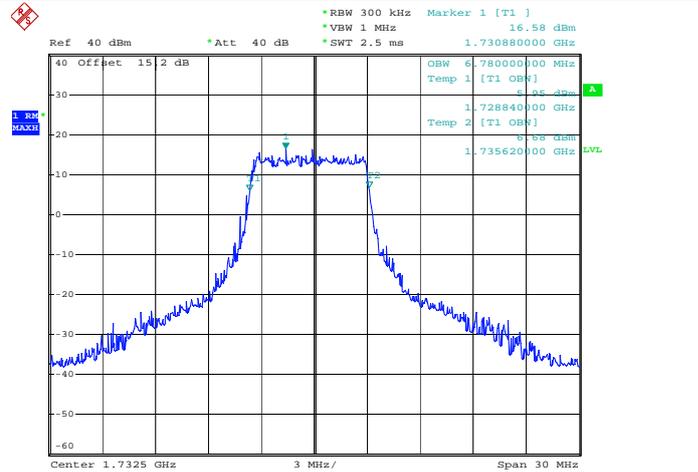

Date: 28.JUL.2012 05:40:11

75RB Size, RB Offset 0, QPSK

Date: 28.JUL.2012 05:39:54

75RB Size, RB Offset 0, 16QAM

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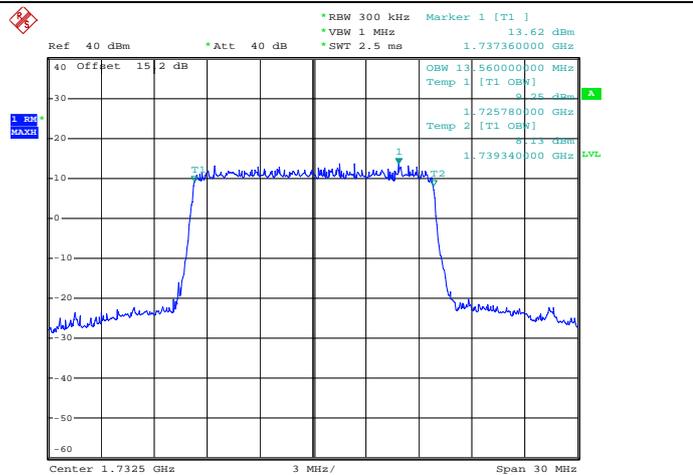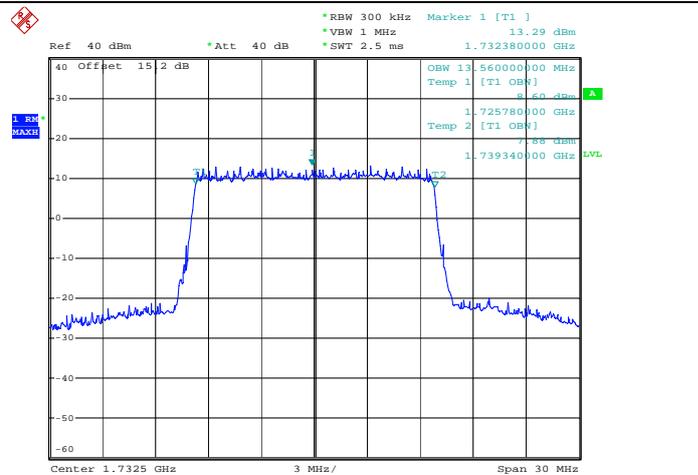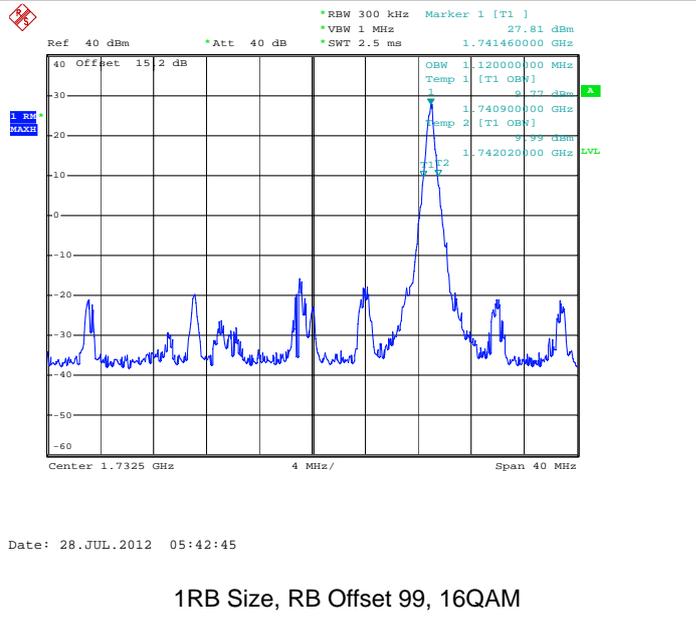
LTE Band 4

Bandwidth 20M

Date: 28.JUL.2012 05:40:48

1RB Size, RB Offset 0, QPSK

Date: 28.JUL.2012 05:41:44

1RB Size, RB Offset 0, 16QAM

Date: 28.JUL.2012 05:43:13

1RB Size, RB Offset 99, QPSK

Date: 28.JUL.2012 05:42:45

1RB Size, RB Offset 99, 16QAM

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Bandwidth 20M

Date: 28.JUL.2012 05:43:49

50RB Size, RB Offset 25, QPSK

Date: 28.JUL.2012 05:44:11

50RB Size, RB Offset 25, 16QAM

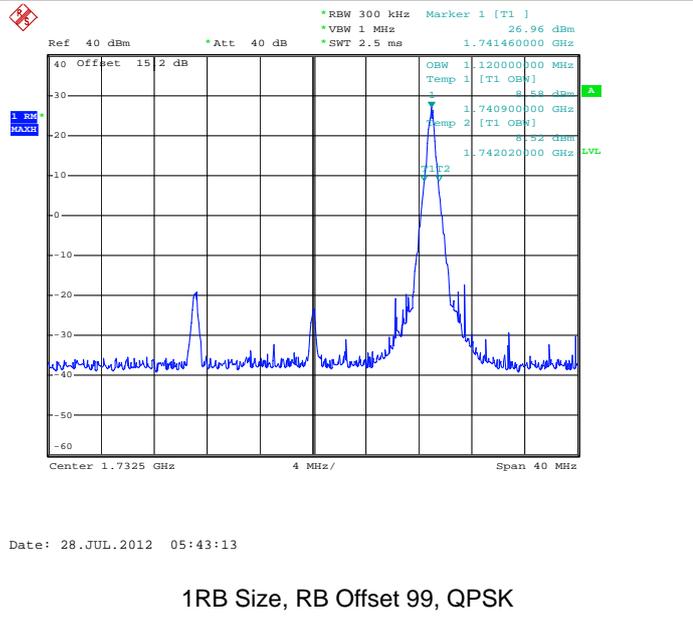
Date: 28.JUL.2012 05:45:17

100RB Size, RB Offset 0, QPSK

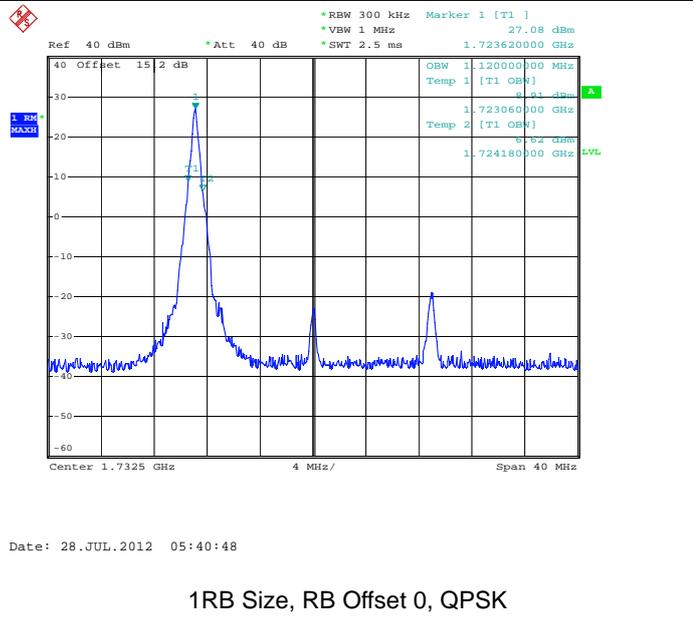Date: 28.JUL.2012 05:44:39

100RB Size, RB Offset 0, 16QAM

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