

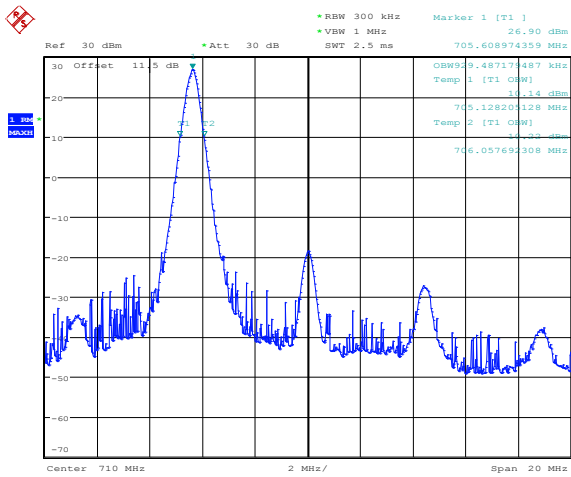
Appendix D. LTE Spectrum Plots For Different RB Allocations

Operation Band	Bandwidth	Modulation	RB Size/Offset	OBW99%(MHZ)
Band 17	10MHz	QPSK	1RB / Offset 0	0.929
			1RB / Offset 49	0.897
			25RB / Offset 13	4.840
			50RB / Offset 0	9.167
		16QAM	1RB / Offset 0	0.929
			1RB / Offset 49	0.929
			25RB / Offset 13	4.904
			50RB / Offset 0	9.135
	5MHz	QPSK	1RB / Offset 0	0.448
			1RB / Offset 24	0.448
			12RB / Offset 6	2.276
			25RB / Offset 0	4.519
		16QAM	1RB / Offset 0	0.464
			1RB / Offset 24	0.432
			12RB / Offset 6	2.276
			25RB / Offset 0	4.503

Operation Band	Bandwidth	Modulation	RB Size/Offset	OBW99%(MHZ)
Band 4	20MHz	QPSK	1RB / Offset 0	2.960
			1RB / Offset 99	2.960
			50RB / Offset 25	10.320
			100RB / Offset 0	18.800
		16QAM	1RB / Offset 0	2.960
			1RB / Offset 99	2.960
			50RB / Offset 25	10.240
			100RB / Offset 0	18.880
	15MHz	QPSK	1RB / Offset 0	1.140
			1RB / Offset 74	1.140
			36RB / Offset 18	6.780
			75RB / Offset 0	13.560
		16QAM	1RB / Offset 0	1.140
			1RB / Offset 74	1.080
			36RB / Offset 18	6.840
			75RB / Offset 0	13.560
	10MHz	QPSK	1RB / Offset 0	0.961
			1RB / Offset 49	0.929
			25RB / Offset 13	4.840
			50RB / Offset 0	9.134
		16QAM	1RB / Offset 0	0.929
			1RB / Offset 49	0.929
			25RB / Offset 13	4.871
			50RB / Offset 0	9.102
	5MHz	QPSK	1RB / Offset 0	0.448
			1RB / Offset 24	0.448
			12RB / Offset 6	2.276
			25RB / Offset 0	4.503
		16QAM	1RB / Offset 0	0.480
			1RB / Offset 24	0.448
			12RB / Offset 6	2.260
			25RB / Offset 0	4.503

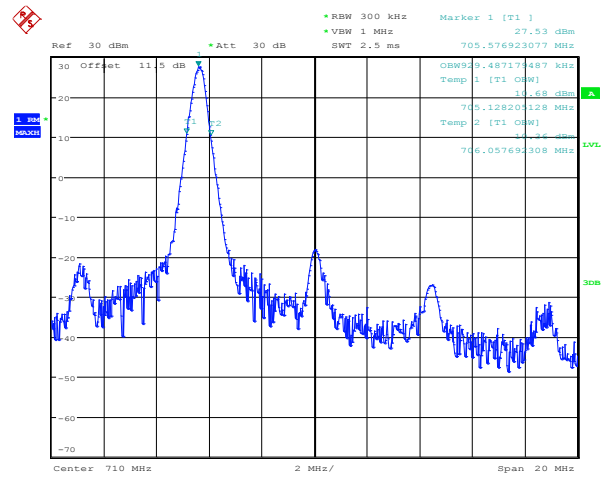
Band 17

Bandwidth 10M



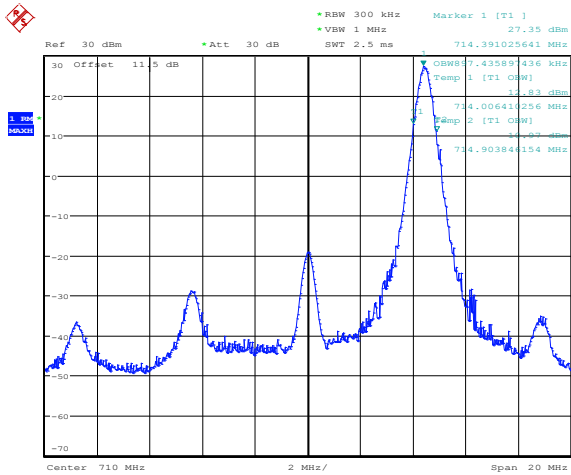
Date: 5 JUN.2012 02:44:58

1RB Size, RB Offset 0, QPSK



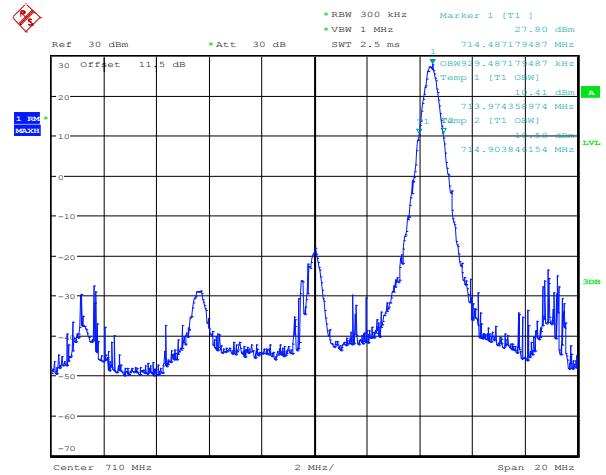
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1RB Size, RB Offset 0, 16QAM



Date: 5 JUN.2012 02:44:22

1RB Size, RB Offset 49, QPSK

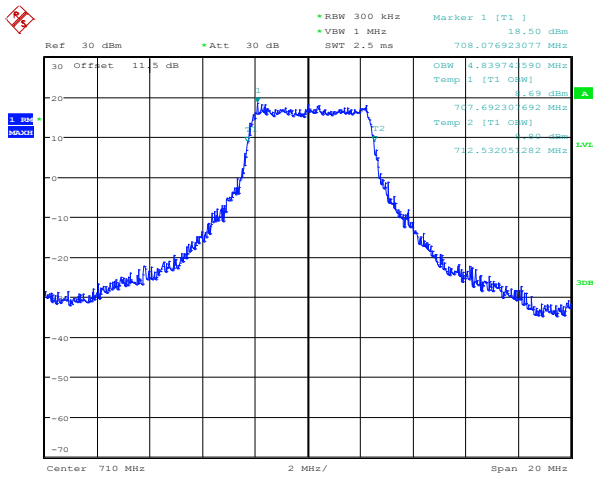


Date: 5 JUN.2012 02:44:36

1RB Size, RB Offset 49, 16QAM

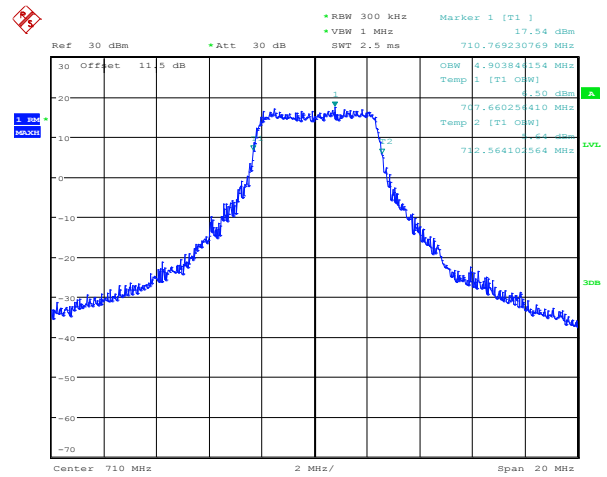
Band 17

Bandwidth 10M



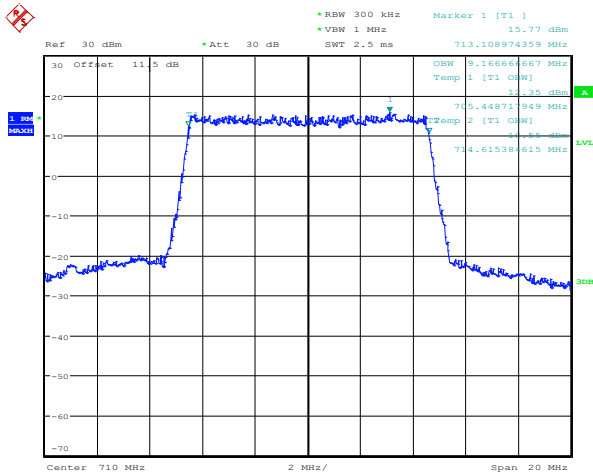
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25RB Size, RB Offset 13, QPSK



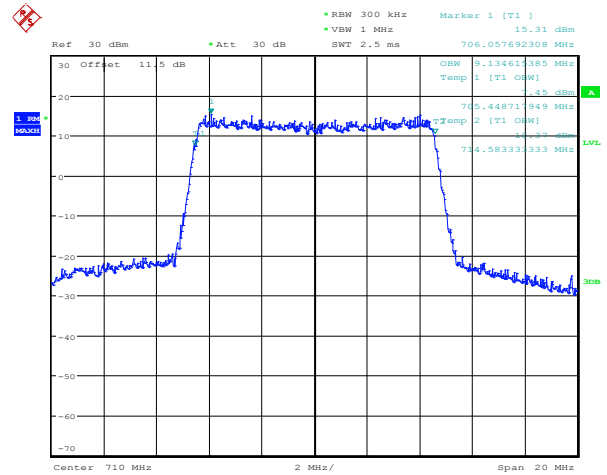
Date: 5 JUN.2012 02:43:46

25RB Size, RB Offset 13, 16QAM



Date: 5 JUN.2012 02:42:12

50RB Size, RB Offset 0, QPSK

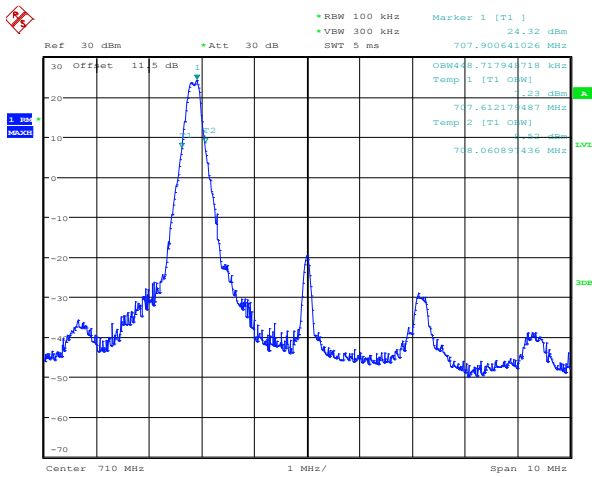


Date: 5 JUN.2012 02:42:57

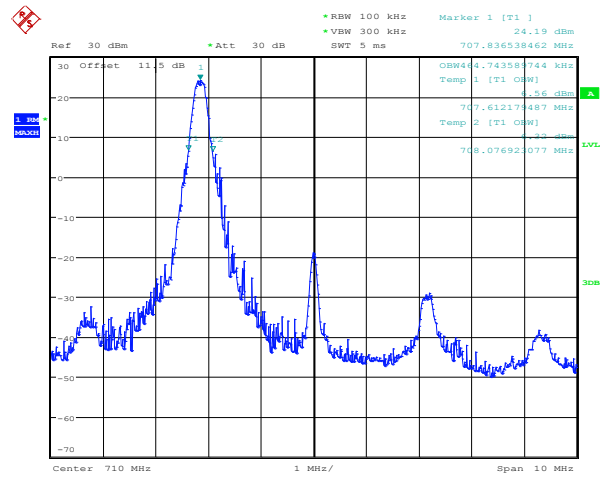
50RB Size, RB Offset 0, 16QAM

Band 17

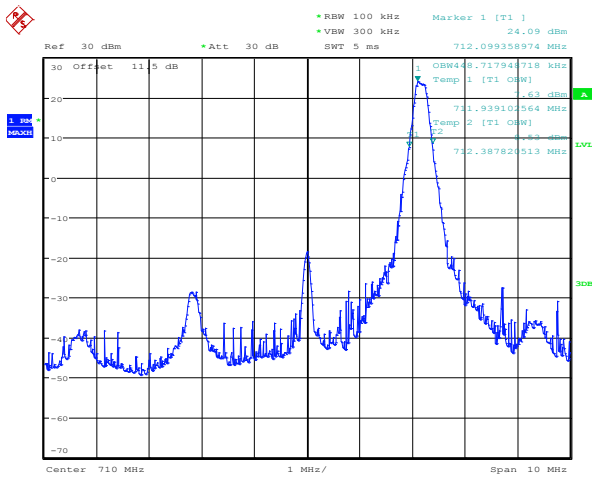
Bandwidth 5M



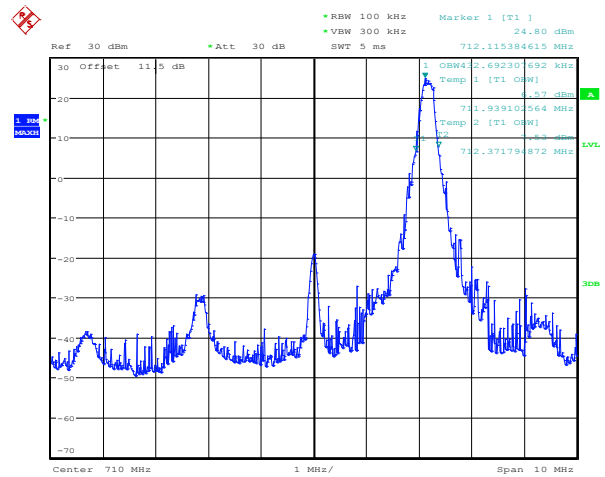
1RB Size, RB Offset 0, QPSK



1RB Size, RB Offset 0, 16QAM



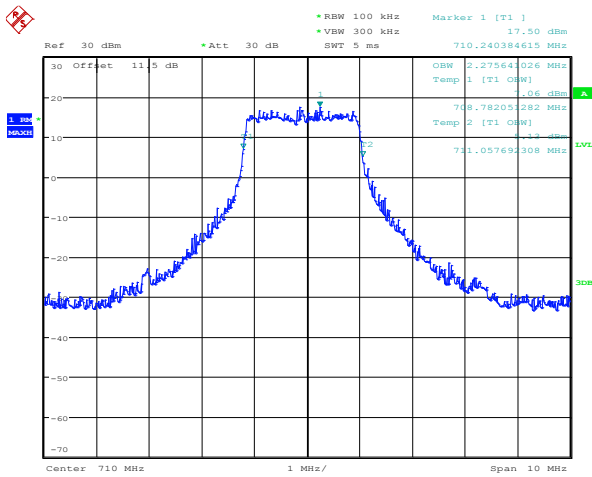
1RB Size, RB Offset 24, QPSK



1RB Size, RB Offset 24, 16QAM

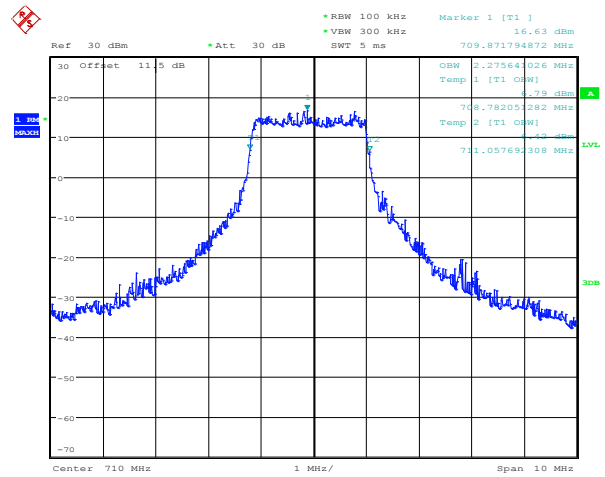
Band 17

Bandwidth 5M



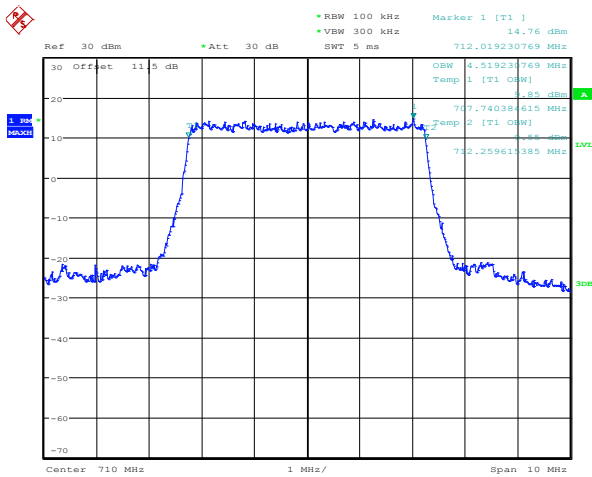
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12RB Size, RB Offset 6, QPSK



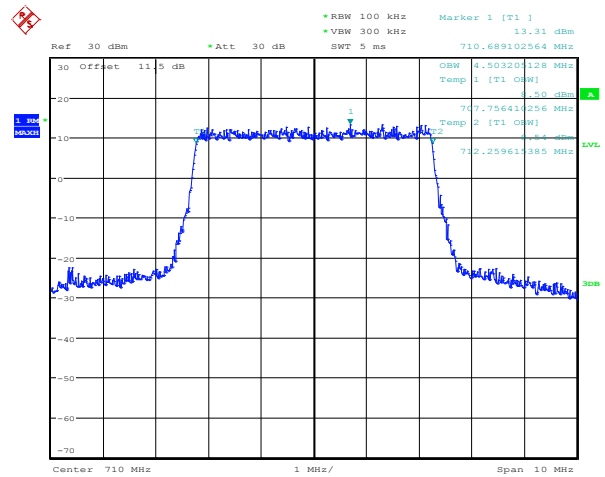
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12RB Size, RB Offset 6, 16QAM



Date: 5 JUN.2012 02:38:46

25RB Size, RB Offset 0, QPSK

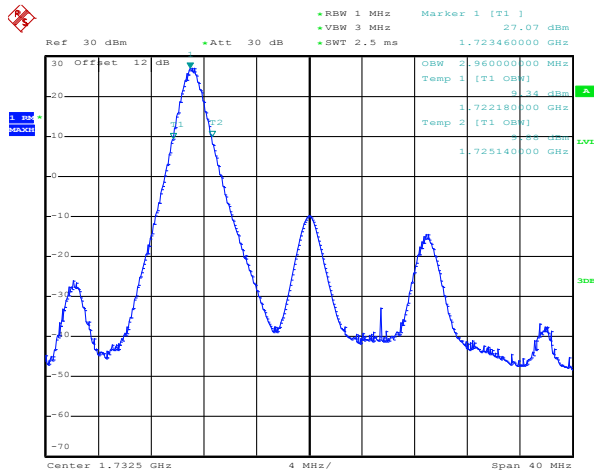


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25RB Size, RB Offset 0, 16QAM

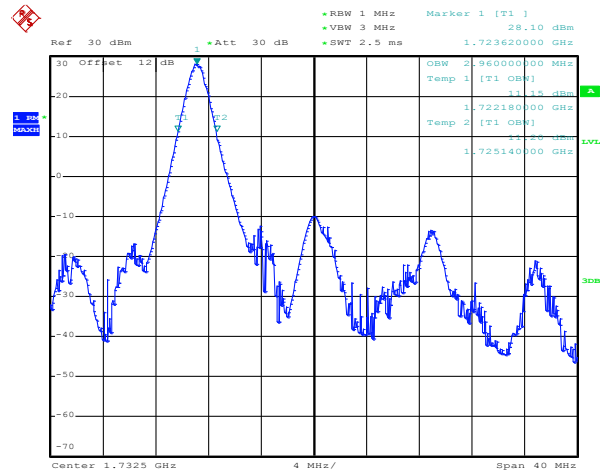
Band 4

Bandwidth 20M



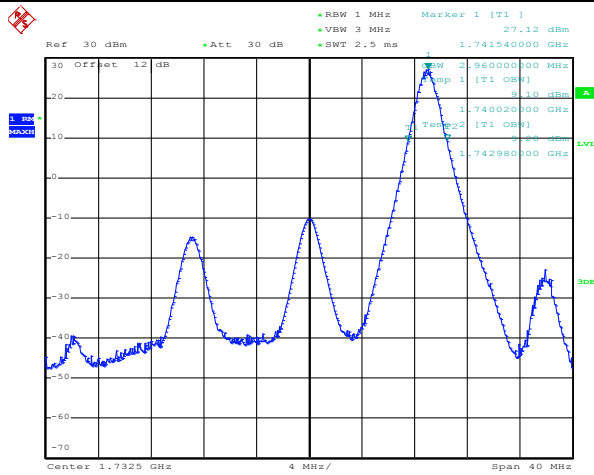
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1RB Size, RB Offset 0, QPSK



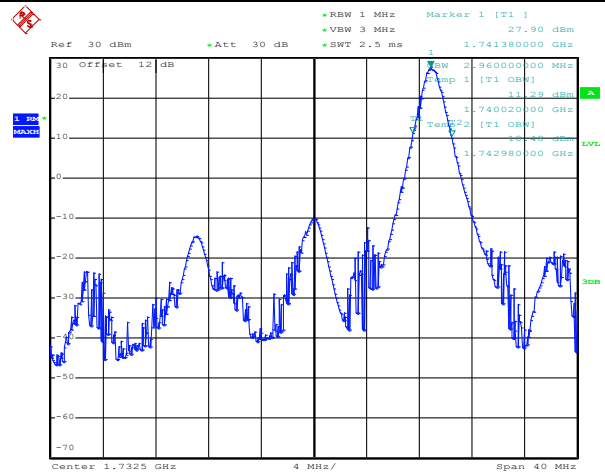
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1RB Size, RB Offset 0, 16QAM



Date: 12.JUN.2012 21:47:19

1RB Size, RB Offset 99, QPSK

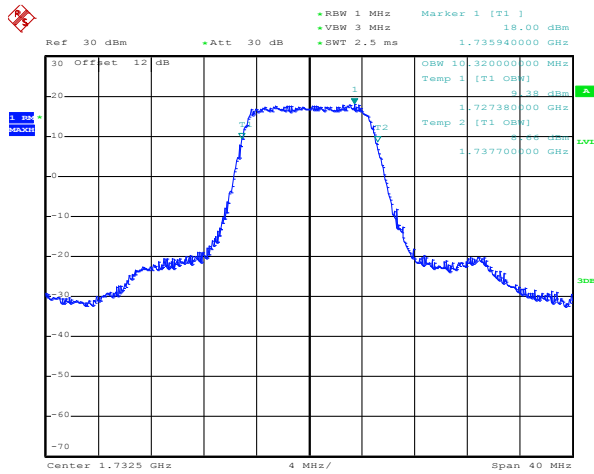


Date: 12.JUN.2012 21:47:53

1RB Size, RB Offset 99, 16QAM

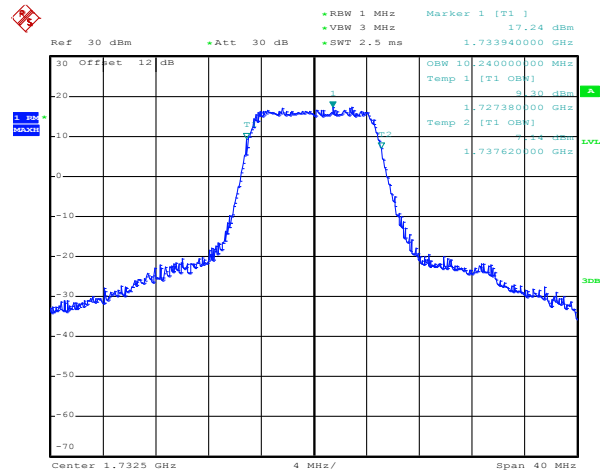
Band 4

Bandwidth 20M



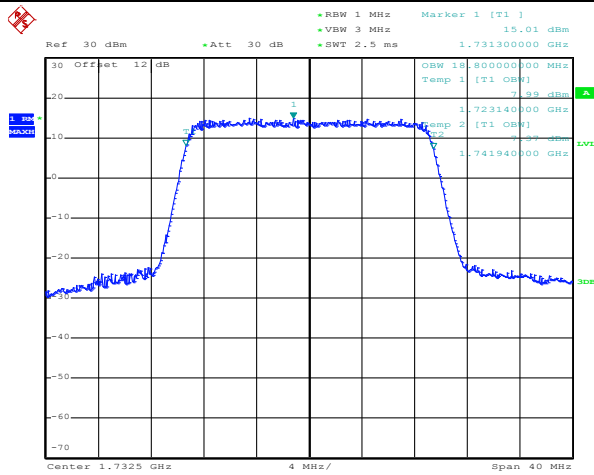
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50RB Size, RB Offset 25, QPSK



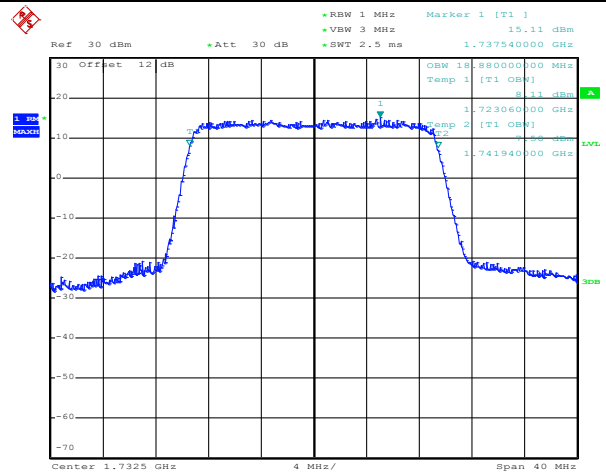
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50RB Size, RB Offset 25, 16QAM



Date: 12.JUN.2012 21:43:59

100RB Size, RB Offset 0, QPSK

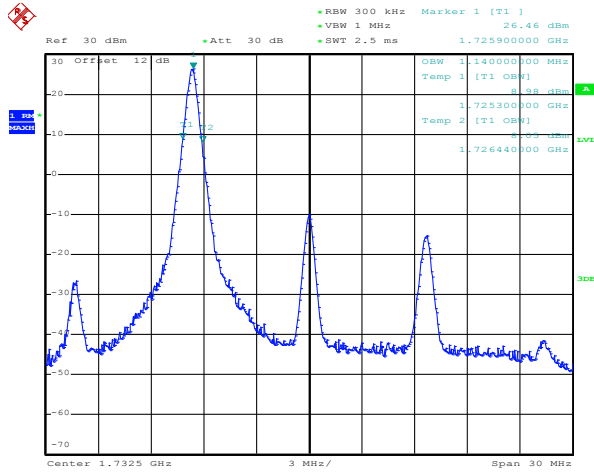


Date: 12.JUN.2012 21:43:43

100RB Size, RB Offset 0, 16QAM

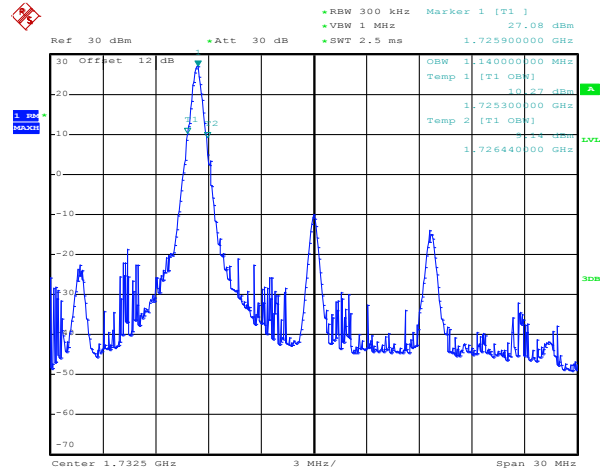
Band 4

Bandwidth 15M



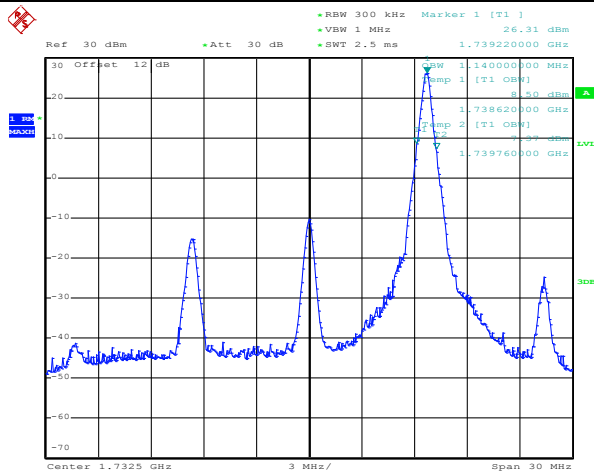
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1RB Size, RB Offset 0, QPSK



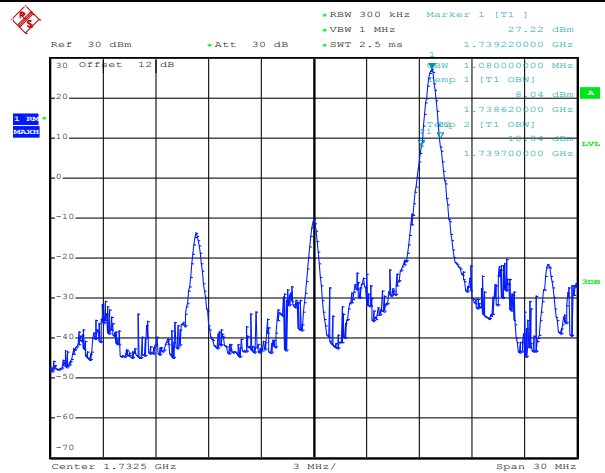
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1RB Size, RB Offset 0, 16QAM



Date: 12.JUN.2012 21:53:00

1RB Size, RB Offset 74, QPSK

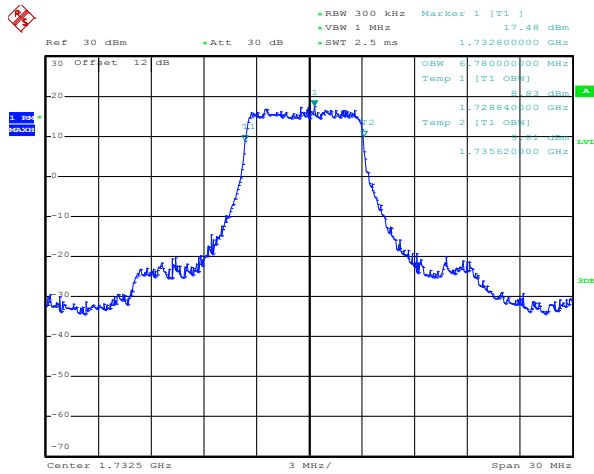


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1RB Size, RB Offset 74, 16QAM

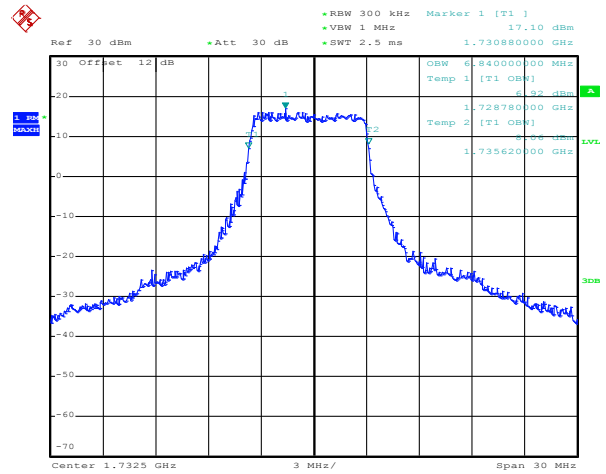
Band 4

Bandwidth 15M



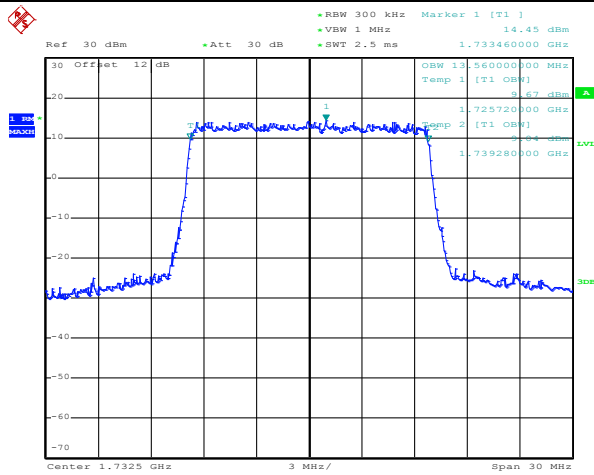
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36RB Size, RB Offset 18, QPSK



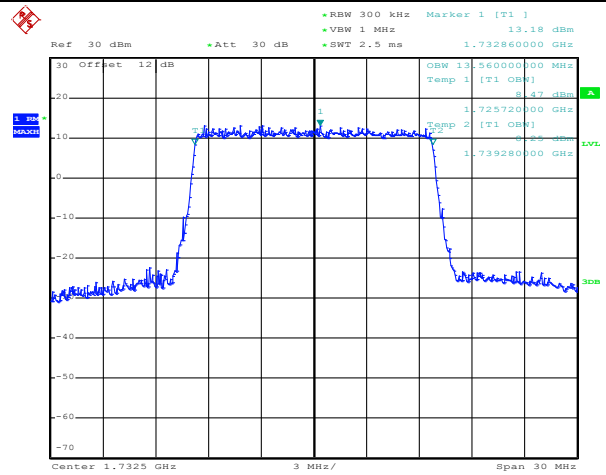
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36RB Size, RB Offset 18, 16QAM



Date: 12.JUN.2012 21:49:36

75RB Size, RB Offset 0, QPSK

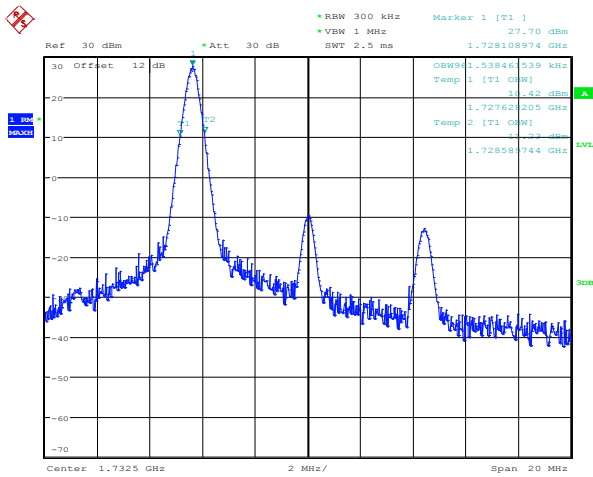


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75RB Size, RB Offset 0, 16QAM

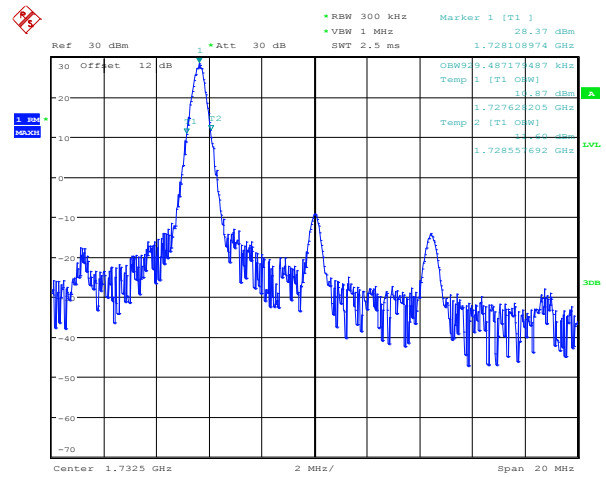
Band 4

Bandwidth 10M



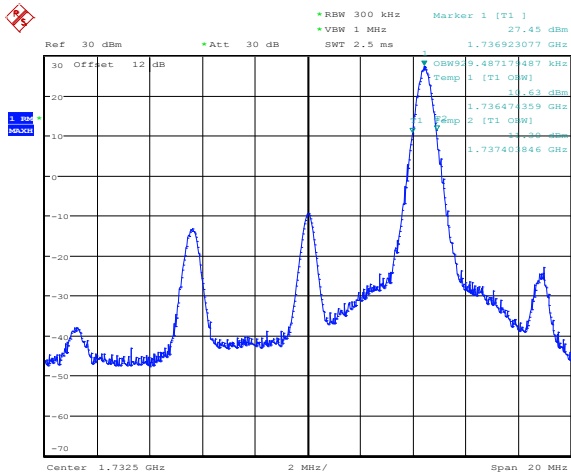
Date: 5 JUN.2012 01:29:21

1RB Size, RB Offset 0, QPSK



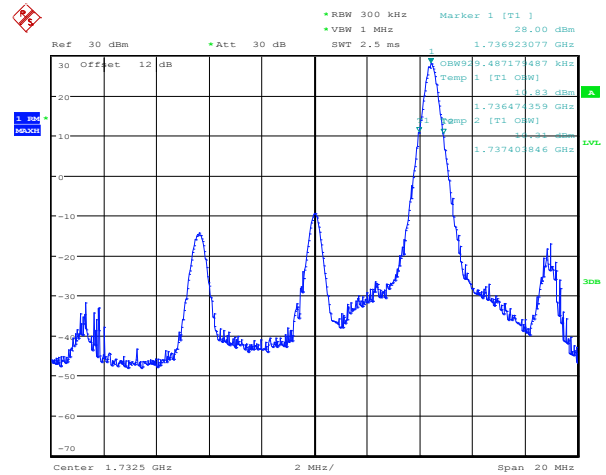
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1RB Size, RB Offset 0, 16QAM



Date: 5 JUN.2012 01:27:55

1RB Size, RB Offset 49, QPSK

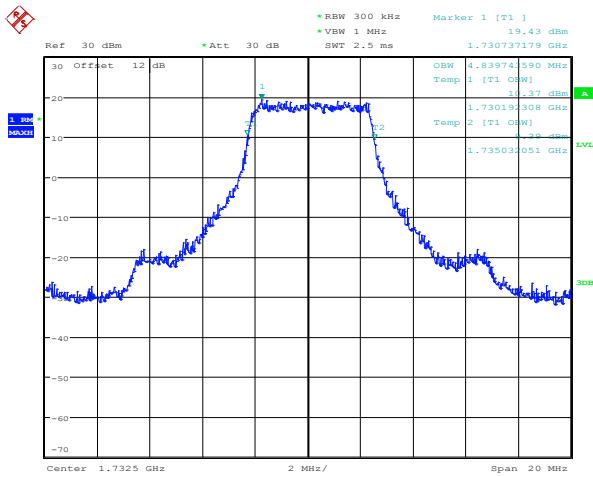


Date: 5 JUN.2012 01:28:16

1RB Size, RB Offset 49, 16QAM

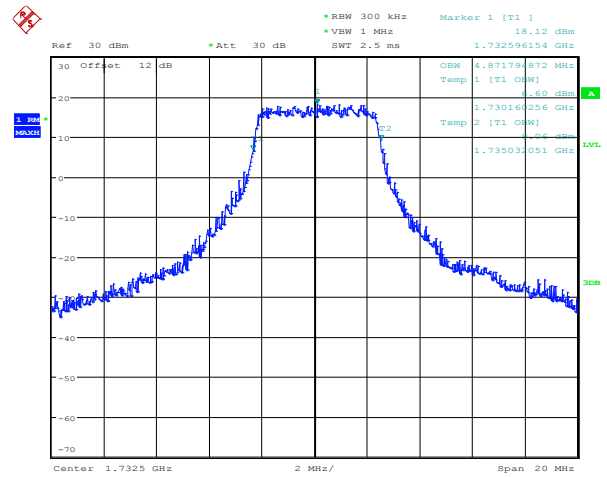
Band 4

Bandwidth 10M



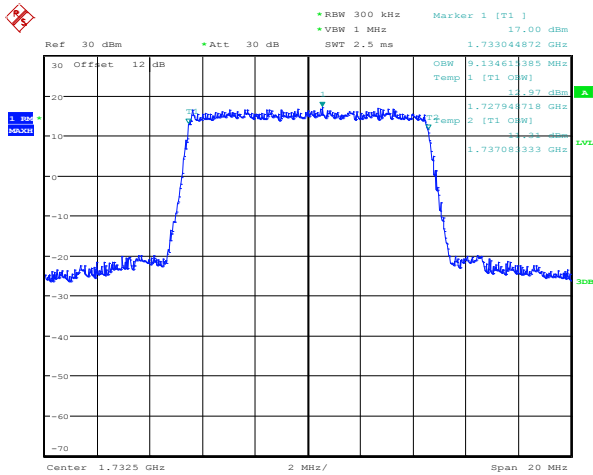
Date: 5.JUN.2012 01:26:50

25RB Size, RB Offset 13, QPSK



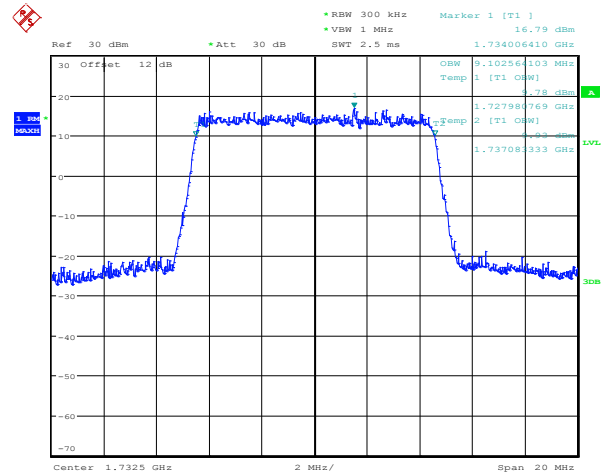
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25RB Size, RB Offset 13, 16QAM



Date: 5.JUN.2012 01:25:42

50RB Size, RB Offset 0, QPSK

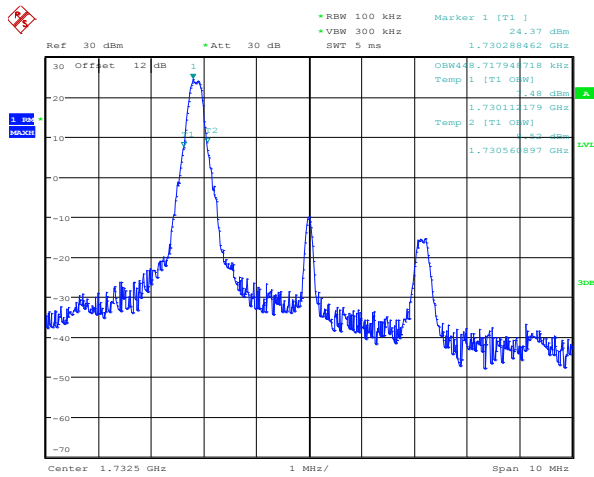


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50RB Size, RB Offset 0, 16QAM

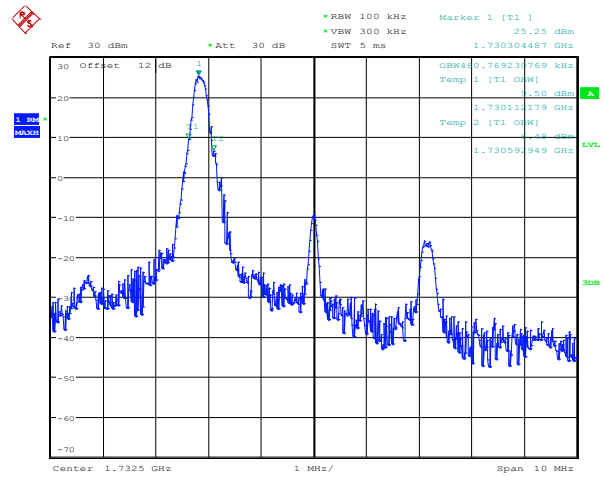
Band 4

Bandwidth 5M



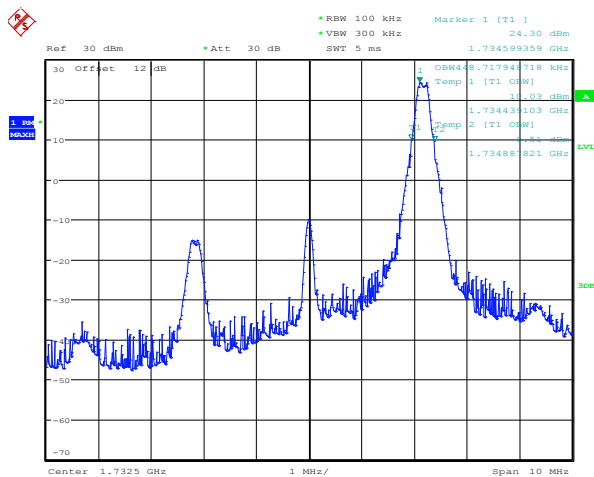
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1RB Size, RB Offset 0, QPSK



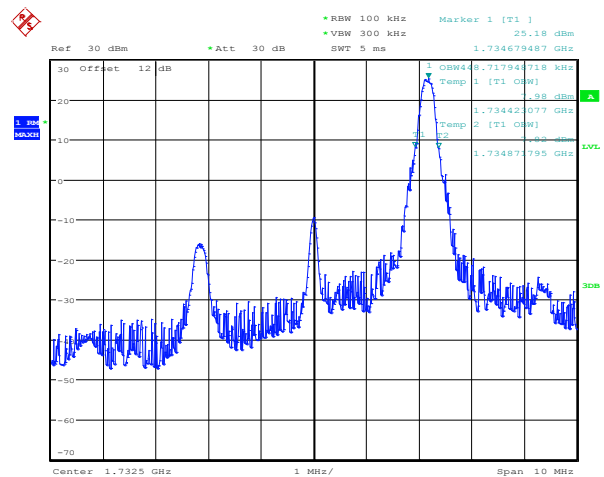
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1RB Size, RB Offset 0, 16QAM



Date: 5 JUN.2012 01:33:36

1RB Size, RB Offset 24, QPSK

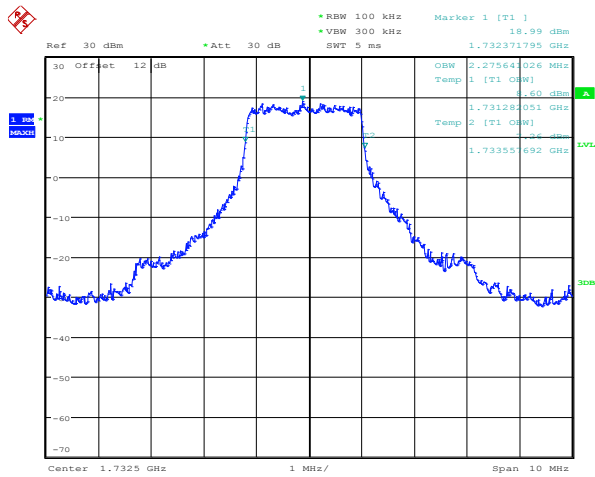


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1RB Size, RB Offset 24, 16QAM

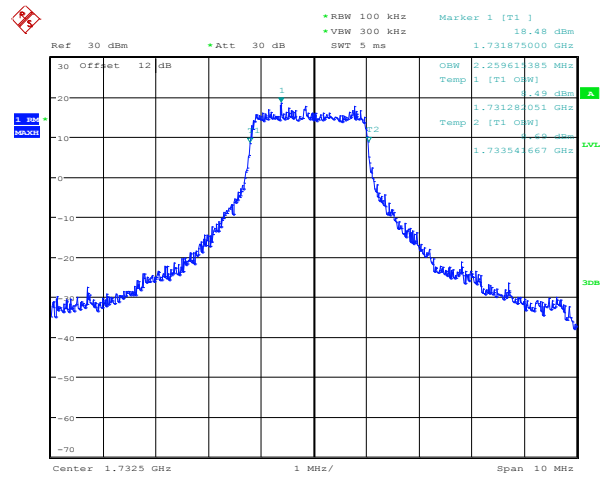
Band 4

Bandwidth 5M



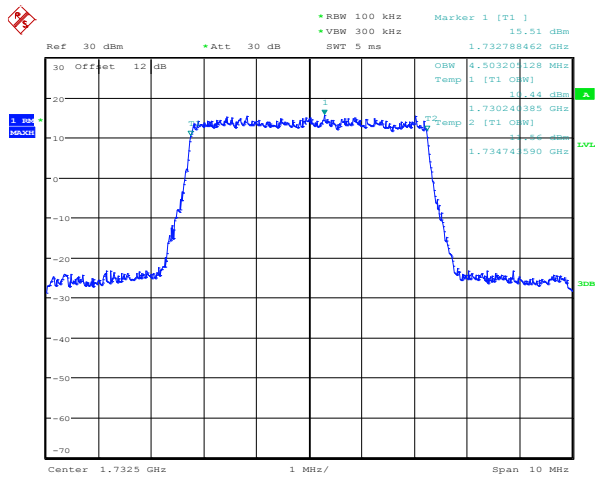
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12RB Size, RB Offset 6, QPSK



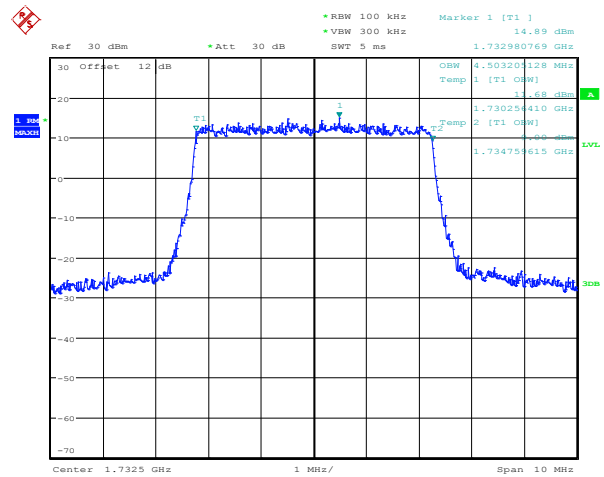
Date: 5.JUN.2012 01:33:11

12RB Size, RB Offset 6, 16QAM



Date: 5.JUN.2012 01:31:12

25RB Size, RB Offset 0, QPSK



Date: 5.JUN.2012 01:31:29

25RB Size, RB Offset 0, 16QAM