



**Appendix F. Spectrum Plots From RB Size**

Operation Band	Bandwidth	Modulation	RB Size/Offset	OBW99%(MHZ)
Band 17	5MHz	QPSK	1RB / Offset 0	0.48
			1RB / Offset 24	0.46
			12RB / Offset 6	2.28
			25RB / Offset 0	4.52
		16QAM	1RB / Offset 0	0.48
			1RB / Offset 24	0.46
			12RB / Offset 6	2.26
			25RB / Offset 0	4.52
	10MHz	QPSK	1RB / Offset 0	1.00
			1RB / Offset 49	1.00
			25RB / Offset 13	4.92
			50RB / Offset 0	9.20
		16QAM	1RB / Offset 0	0.96
			1RB / Offset 49	0.96
25RB / Offset 13			4.92	
50RB / Offset 0			9.20	

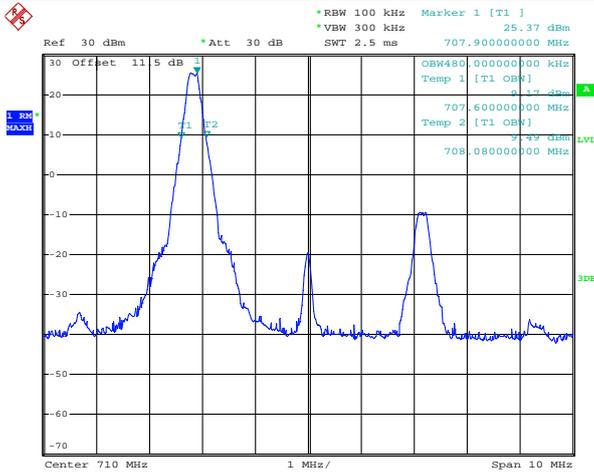
Operation Band	Bandwidth	Modulation	RB Size/Offset	OBW99%(MHZ)
Band 12	1.4MHz	QPSK	1RB / Offset 0	0.27
			1RB / Offset 5	0.27
			3RB / Offset 2	0.62
			6RB / Offset 0	1.10
		16QAM	1RB / Offset 0	0.27
			1RB / Offset 5	0.27
			3RB / Offset 2	0.60
			6RB / Offset 0	1.10
	3MHz	QPSK	1RB / Offset 0	0.41
			1RB / Offset 14	0.41
			8RB / Offset 4	1.57
			15RB / Offset 0	2.74
		16QAM	1RB / Offset 0	0.40
			1RB / Offset 14	0.40
			8RB / Offset 4	1.60
			15RB / Offset 0	2.74
	5MHz	QPSK	1RB / Offset 0	0.44
			1RB / Offset 24	0.46
			12RB / Offset 6	2.28
			25RB / Offset 0	4.50
		16QAM	1RB / Offset 0	0.44
			1RB / Offset 24	0.46
			12RB / Offset 6	2.26
			25RB / Offset 0	4.48
	10MHz	QPSK	1RB / Offset 0	0.96
			1RB / Offset 49	0.96
			25RB / Offset 13	4.84
			50RB / Offset 0	9.12
16QAM		1RB / Offset 0	0.96	
		1RB / Offset 49	0.96	
		25RB / Offset 13	4.84	
		50RB / Offset 0	9.12	



Operation Band	Bandwidth	Modulation	RB Size/Offset	OBW99%(MHZ)
Band 4	1.4MHz	QPSK	1RB / Offset 0	0.27
			1RB / Offset 5	0.27
			3RB / Offset 2	0.63
			6RB / Offset 0	1.10
		16QAM	1RB / Offset 0	0.27
			1RB / Offset 5	0.27
			3RB / Offset 2	0.59
			6RB / Offset 0	1.10
	3MHz	QPSK	1RB / Offset 0	0.40
			1RB / Offset 14	0.41
			8RB / Offset 4	1.57
			15RB / Offset 0	2.75
		16QAM	1RB / Offset 0	0.40
			1RB / Offset 14	0.41
			8RB / Offset 4	1.57
			15RB / Offset 0	2.74
	5MHz	QPSK	1RB / Offset 0	0.46
			1RB / Offset 24	0.44
			12RB / Offset 6	2.28
			25RB / Offset 0	4.50
		16QAM	1RB / Offset 0	0.44
			1RB / Offset 24	0.44
			12RB / Offset 6	2.26
			25RB / Offset 0	4.48
	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	1.00
			25RB / Offset 13	4.84
			50RB / Offset 0	9.12
15MHz	QPSK	1RB / Offset 0	1.08	
		1RB / Offset 74	1.08	
		36RB / Offset 18	6.72	
		75RB / Offset 0	13.56	
	16QAM	1RB / Offset 0	1.08	
		1RB / Offset 74	1.02	
		36RB / Offset 18	6.78	
		75RB / Offset 0	13.56	
20MHz	QPSK	1RB / Offset 0	2.96	
		1RB / Offset 99	2.96	
		50RB / Offset 25	10.32	
		100RB / Offset 0	18.72	
	16QAM	1RB / Offset 0	3.04	
		1RB / Offset 99	3.04	
		50RB / Offset 25	10.16	
		100RB / Offset 0	18.72	

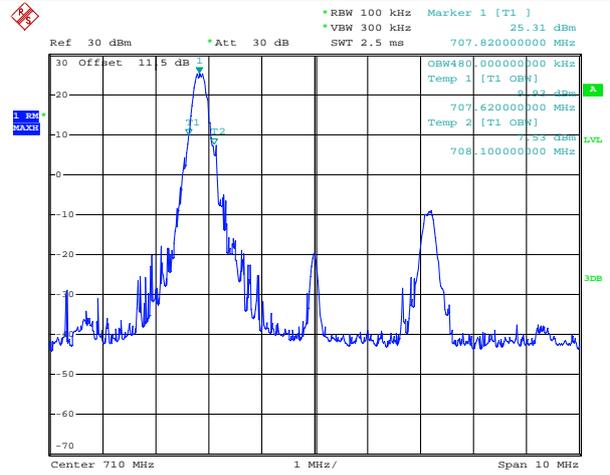


Band 17
Bandwidth 5M



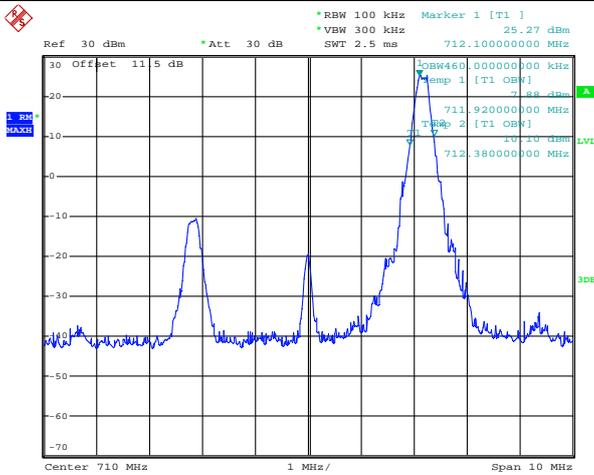
Date: 21.MAR.2012 02:37:22

1RB Size, RB Offset 0, QPSK



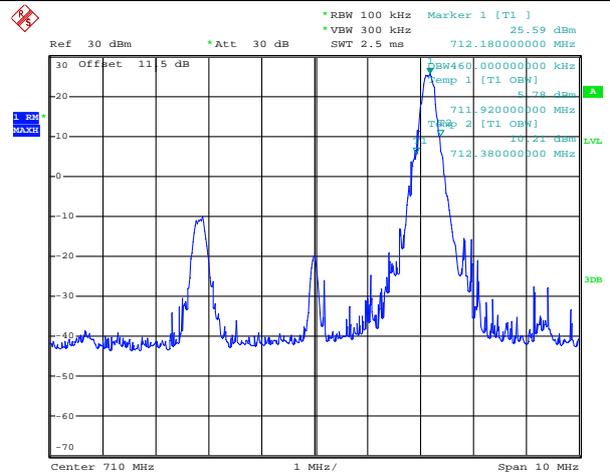
Date: 21.MAR.2012 02:37:40

1RB Size, RB Offset 0, 16QAM



Date: 21.MAR.2012 02:38:09

1RB Size, RB Offset 24, QPSK

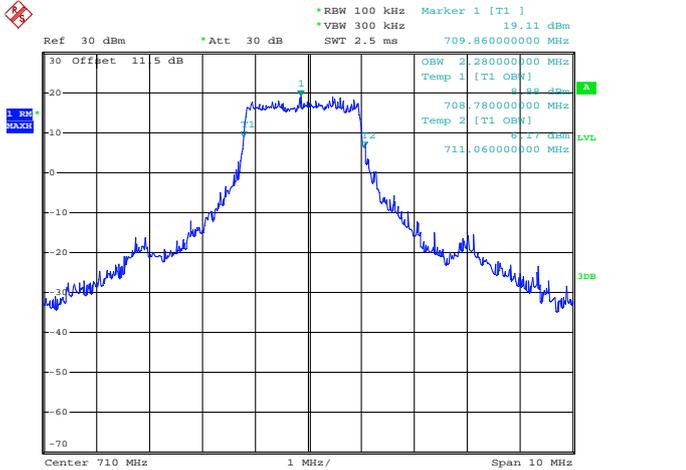


Date: 21.MAR.2012 02:38:25

1RB Size, RB Offset 24, 16QAM

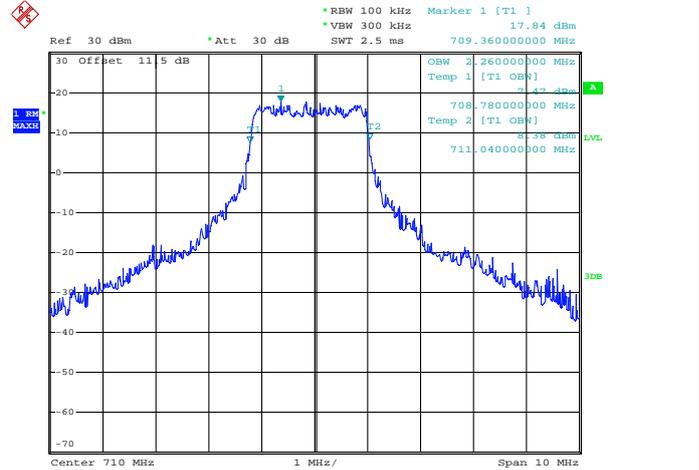


Band 17
Bandwidth 5M



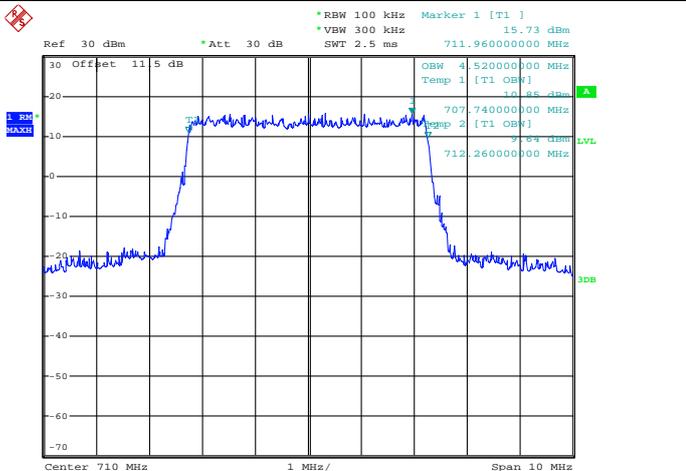
Date: 21.MAR.2012 02:38:55

12RB Size, RB Offset 6, QPSK



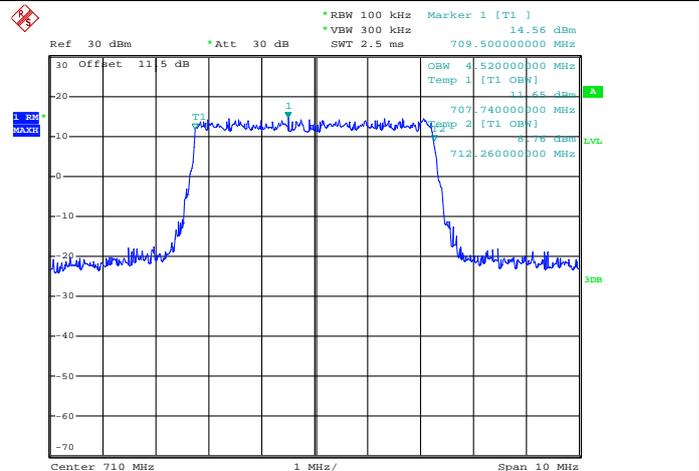
Date: 21.MAR.2012 02:39:13

12RB Size, RB Offset 6, 16QAM



Date: 21.MAR.2012 02:39:37

25RB Size, RB Offset 0, QPSK



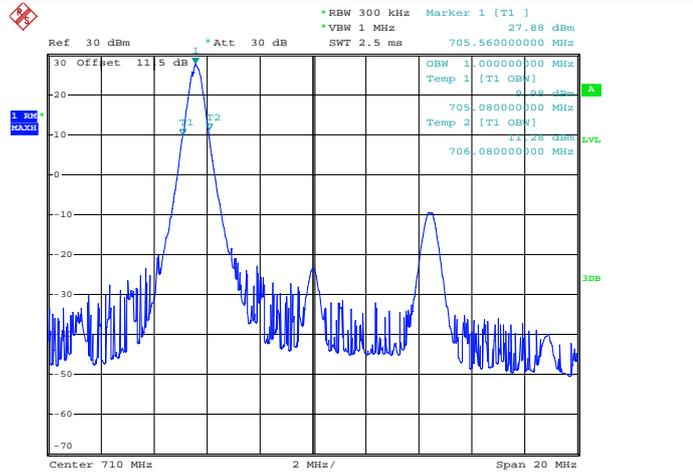
Date: 21.MAR.2012 02:40:02

25RB Size, RB Offset 0, 16QAM



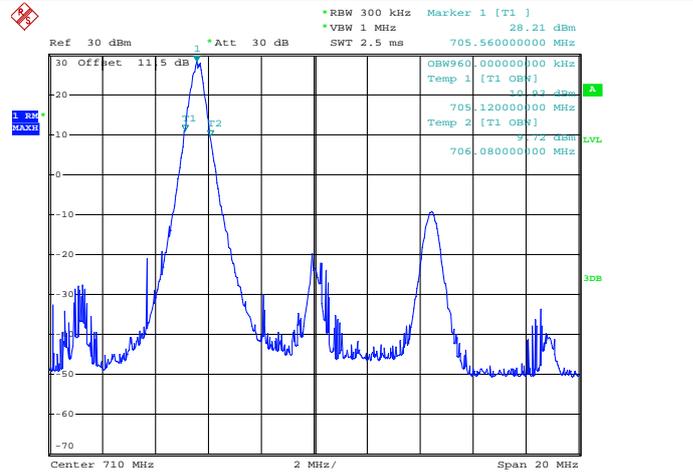
Band 17

Bandwidth 10M



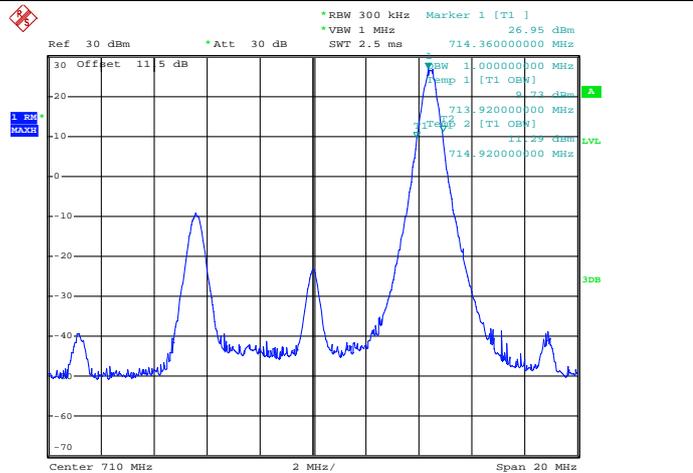
Date: 21.MAR.2012 02:42:11

1RB Size, RB Offset 0, QPSK



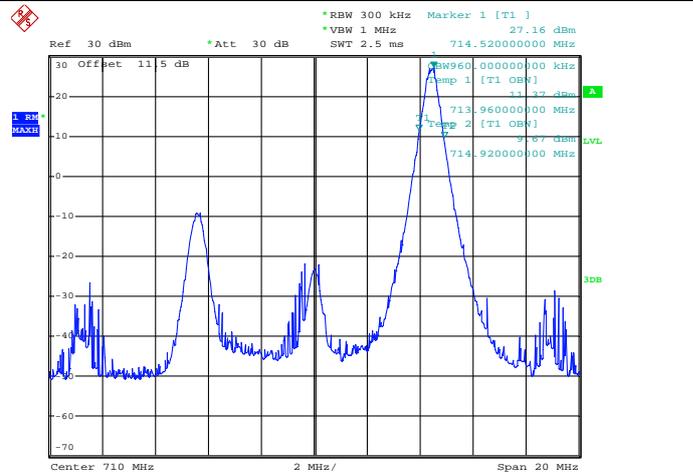
Date: 21.MAR.2012 02:42:25

1RB Size, RB Offset 0, 16QAM



Date: 21.MAR.2012 02:42:44

1RB Size, RB Offset 49, QPSK



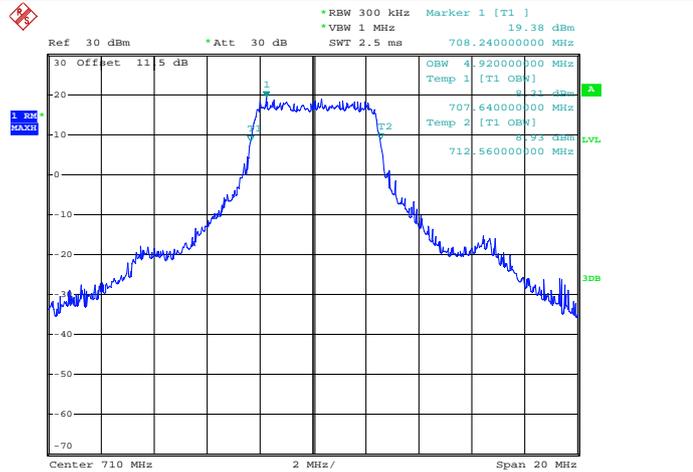
Date: 21.MAR.2012 02:43:01

1RB Size, RB Offset 49, 16QAM



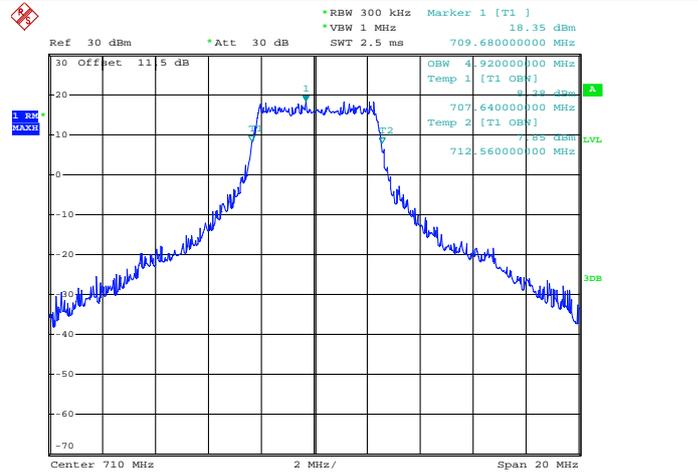
Band 17

Bandwidth 10M



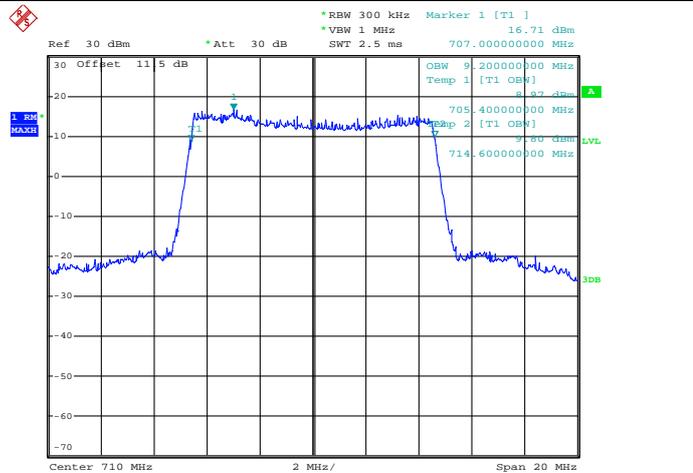
Date: 21.MAR.2012 02:43:27

25RB Size, RB Offset 13, QPSK



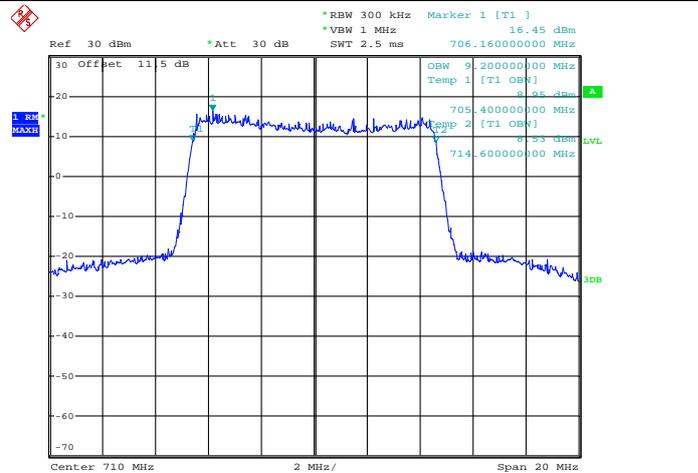
Date: 21.MAR.2012 02:43:46

25RB Size, RB Offset 13, 16QAM



Date: 21.MAR.2012 02:44:07

50RB Size, RB Offset 0, QPSK

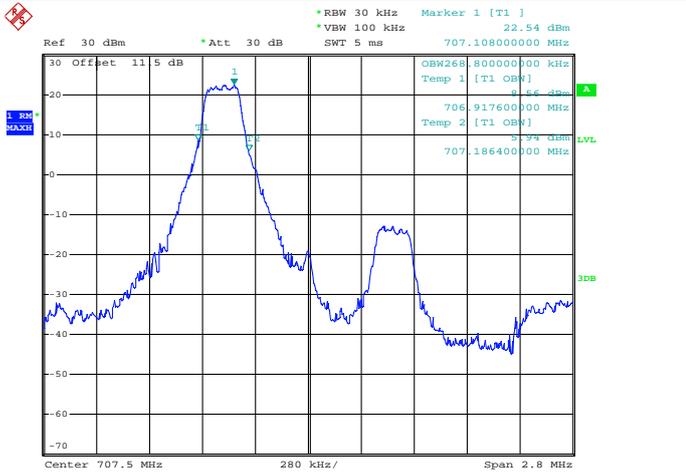


Date: 21.MAR.2012 02:44:31

50RB Size, RB Offset 0, 16QAM

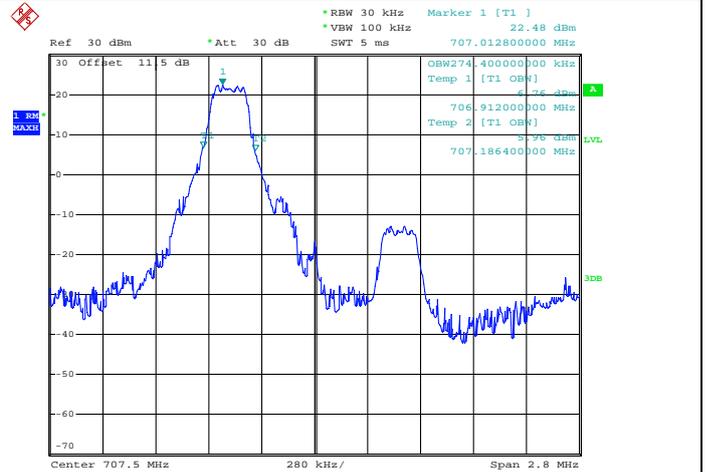


Band 12  
Bandwidth 1.4M



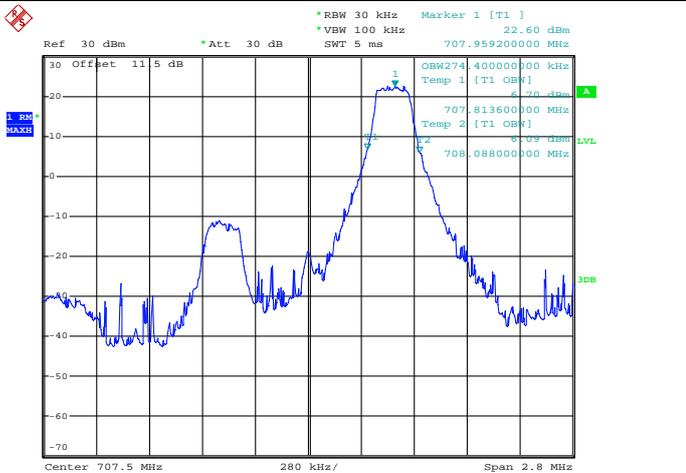
Date: 22.MAR.2012 02:37:11

1RB Size, RB Offset 0, QPSK



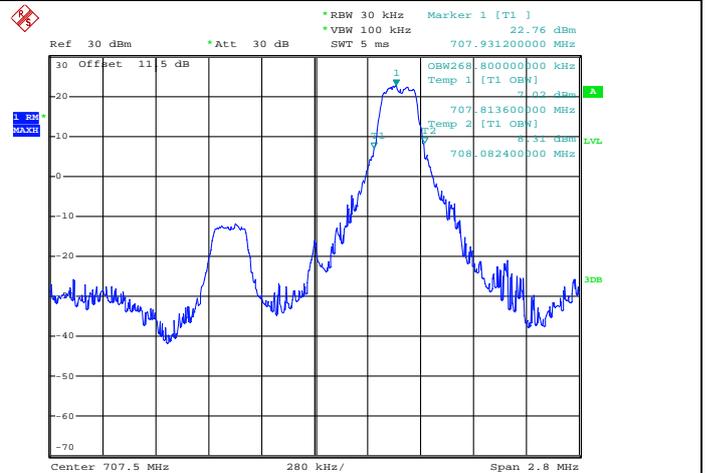
Date: 22.MAR.2012 02:37:31

1RB Size, RB Offset 0, 16QAM



Date: 22.MAR.2012 02:37:55

1RB Size, RB Offset 5, QPSK

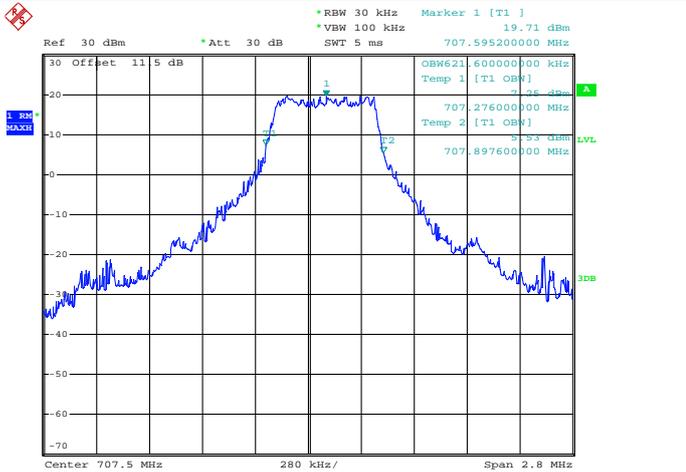


Date: 22.MAR.2012 02:38:13

1RB Size, RB Offset 5, 16QAM

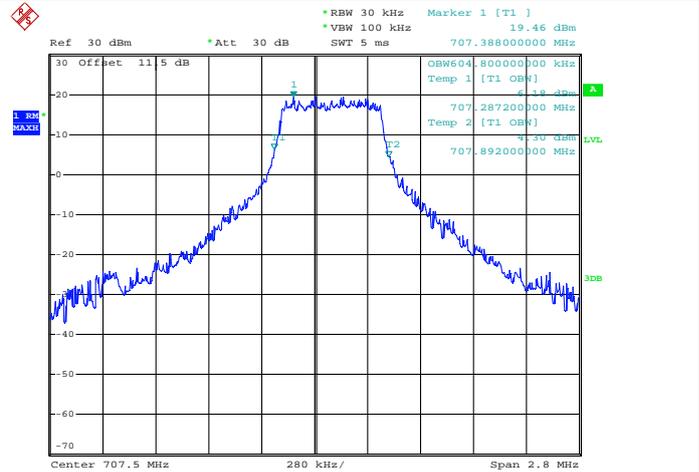


Band 12
Bandwidth 1.4M



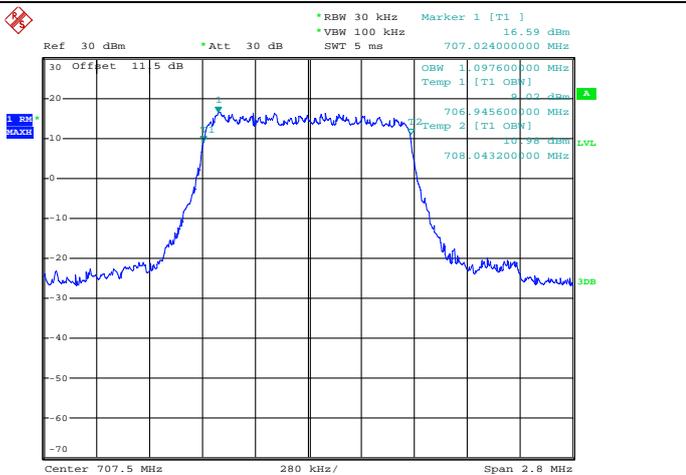
Date: 22.MAR.2012 02:38:34

3RB Size, RB Offset 2, QPSK



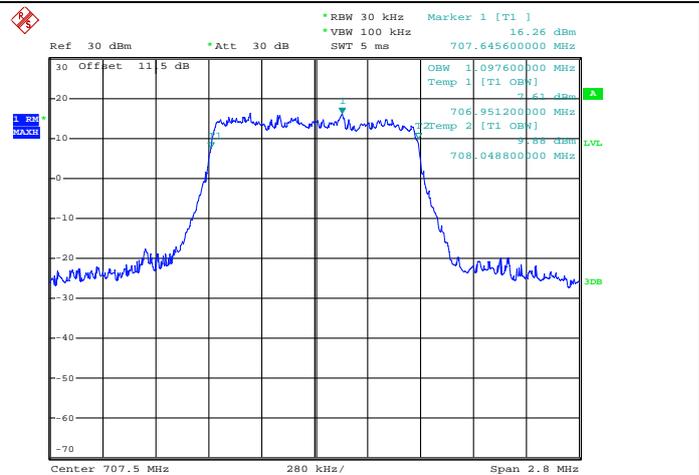
Date: 22.MAR.2012 02:38:48

3RB Size, RB Offset 2, 16QAM



Date: 22.MAR.2012 02:39:14

6RB Size, RB Offset 0, QPSK

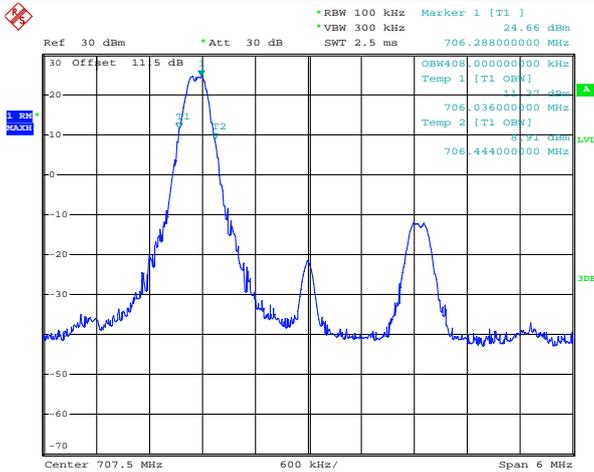


Date: 22.MAR.2012 02:39:38

6RB Size, RB Offset 0, 16QAM

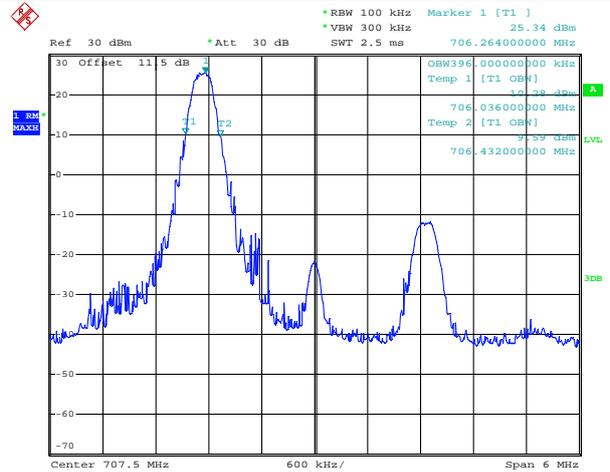


Band 12
Bandwidth 3M



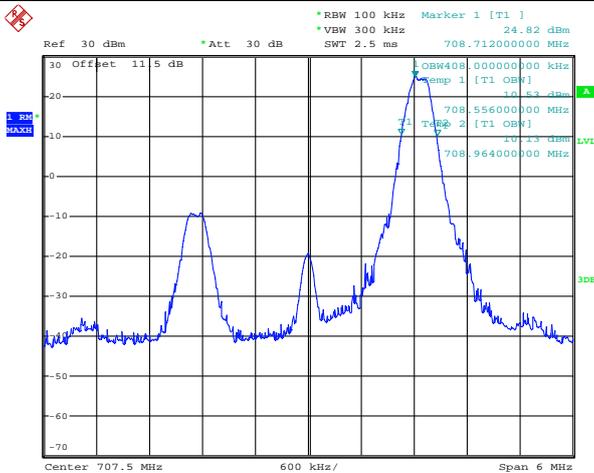
Date: 22.MAR.2012 02:31:33

1RB Size, RB Offset 0, QPSK



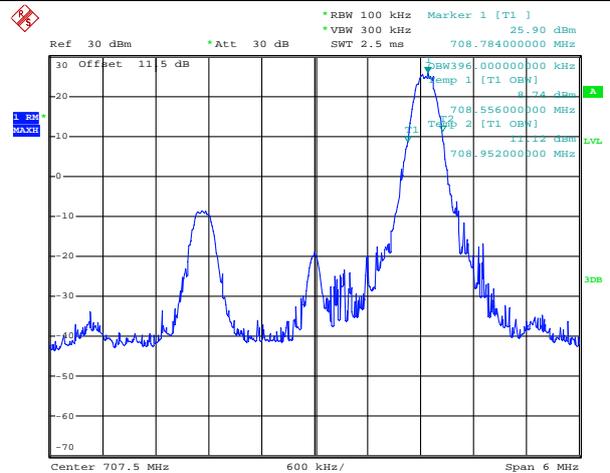
Date: 22.MAR.2012 02:31:50

1RB Size, RB Offset 0, 16QAM



Date: 22.MAR.2012 02:32:23

1RB Size, RB Offset 14, QPSK

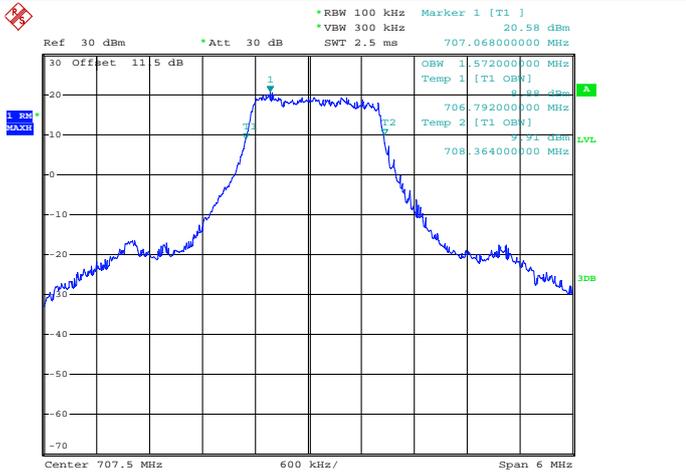


Date: 22.MAR.2012 02:32:41

1RB Size, RB Offset 14, 16QAM

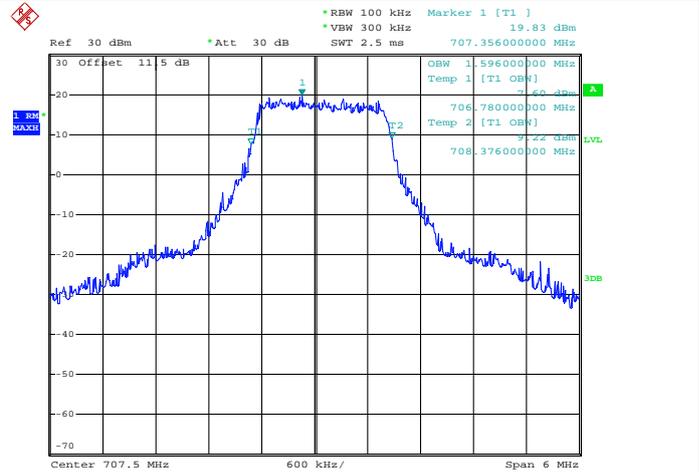


Band 12  
Bandwidth 3M



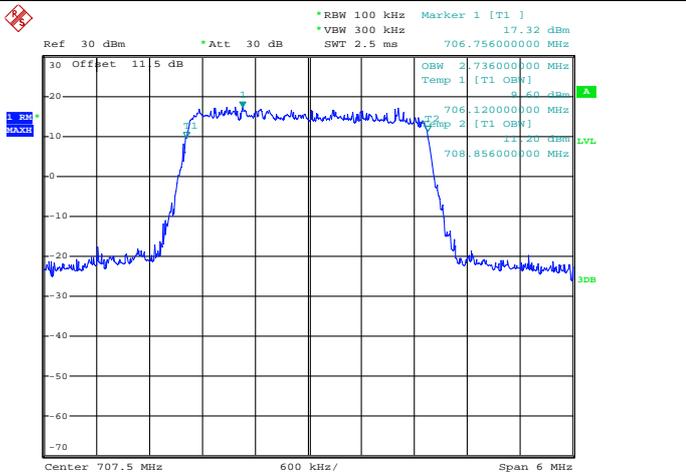
Date: 22.MAR.2012 02:34:27

8RB Size, RB Offset 4, QPSK



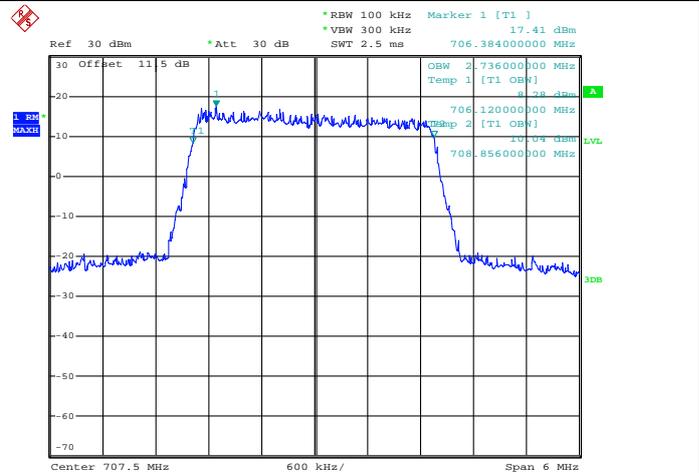
Date: 22.MAR.2012 02:34:51

8RB Size, RB Offset 4, 16QAM



Date: 22.MAR.2012 02:35:09

15RB Size, RB Offset 0, QPSK

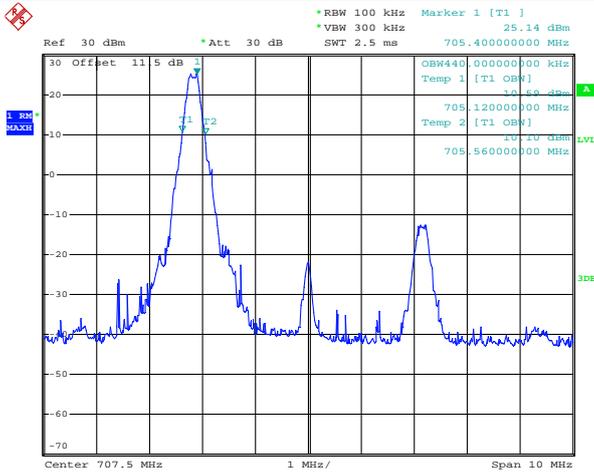


Date: 22.MAR.2012 02:35:22

15RB Size, RB Offset 0, 16QAM

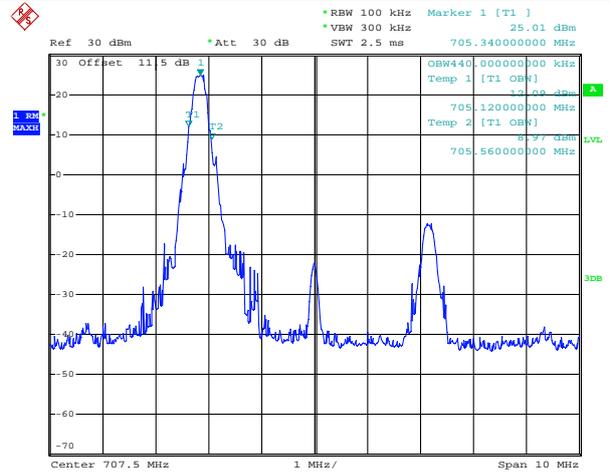


Band 12
Bandwidth 5M



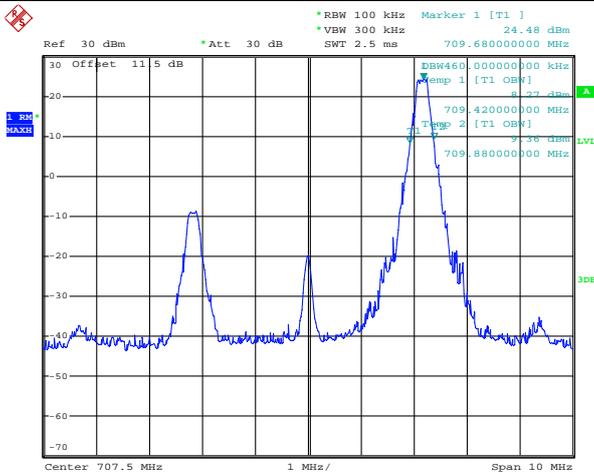
Date: 22.MAR.2012 02:26:40

1RB Size, RB Offset 0, QPSK



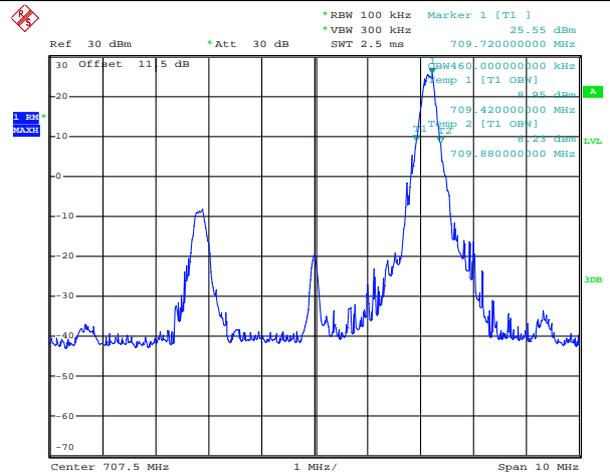
Date: 22.MAR.2012 02:26:53

1RB Size, RB Offset 0, 16QAM



Date: 22.MAR.2012 02:27:12

1RB Size, RB Offset 24, QPSK

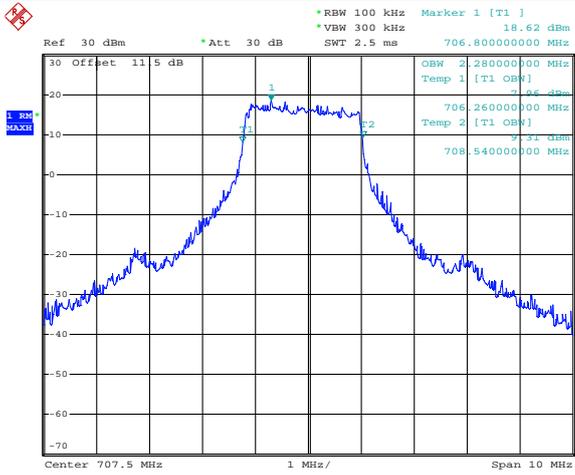


Date: 22.MAR.2012 02:27:45

1RB Size, RB Offset 24, 16QAM

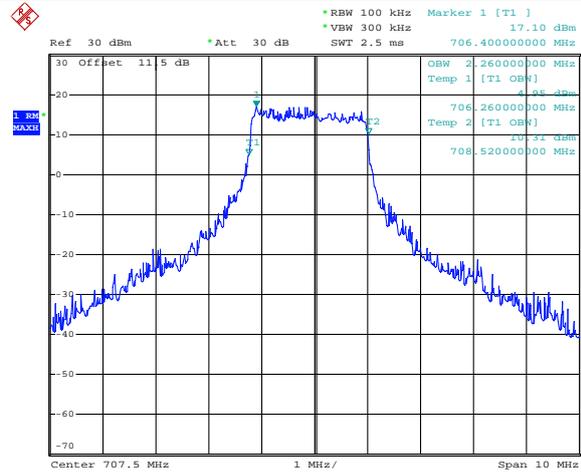


Band 12  
Bandwidth 5M



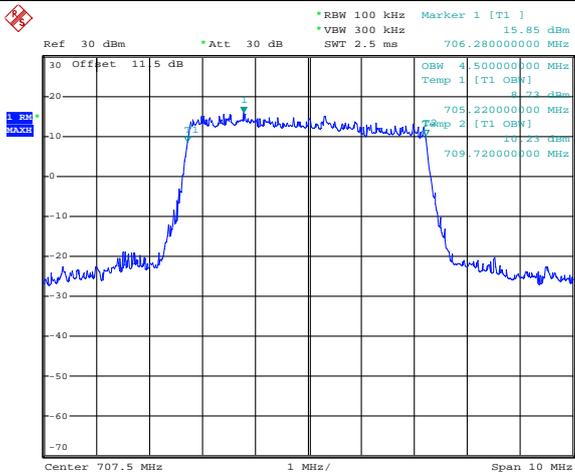
Date: 22.MAR.2012 02:28:21

12RB Size, RB Offset 6, QPSK



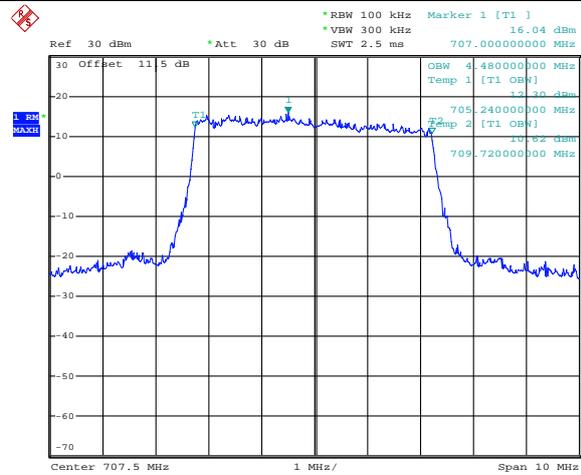
Date: 22.MAR.2012 02:28:35

12RB Size, RB Offset 6, 16QAM



Date: 22.MAR.2012 02:28:58

25RB Size, RB Offset 0, QPSK



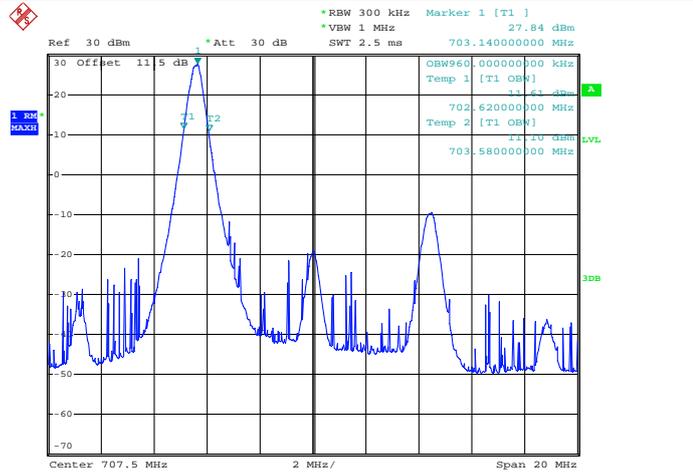
Date: 22.MAR.2012 02:29:50

25RB Size, RB Offset 0, 16QAM



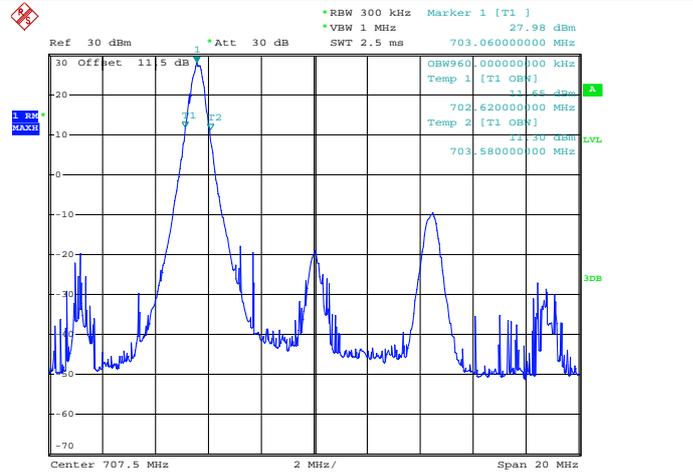
Band 12

Bandwidth 10M



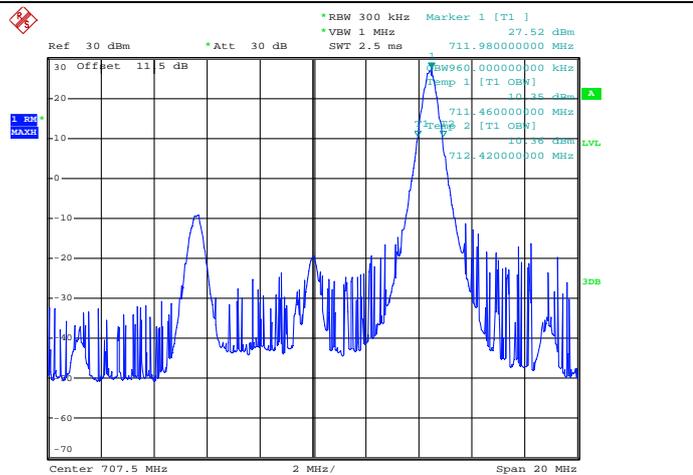
Date: 22.MAR.2012 02:22:35

1RB Size, RB Offset 0, QPSK



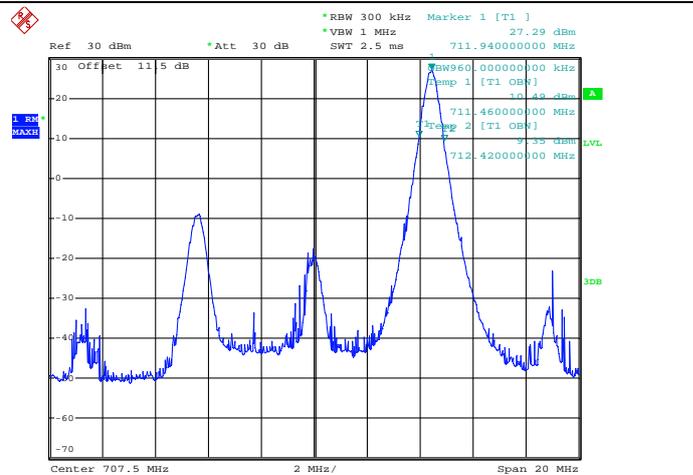
Date: 22.MAR.2012 02:22:49

1RB Size, RB Offset 0, 16QAM



Date: 22.MAR.2012 02:23:09

1RB Size, RB Offset 49, QPSK



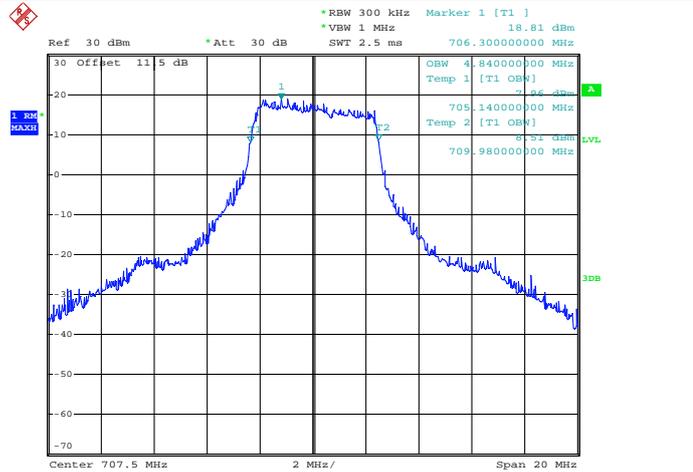
Date: 22.MAR.2012 02:23:28

1RB Size, RB Offset 49, 16QAM



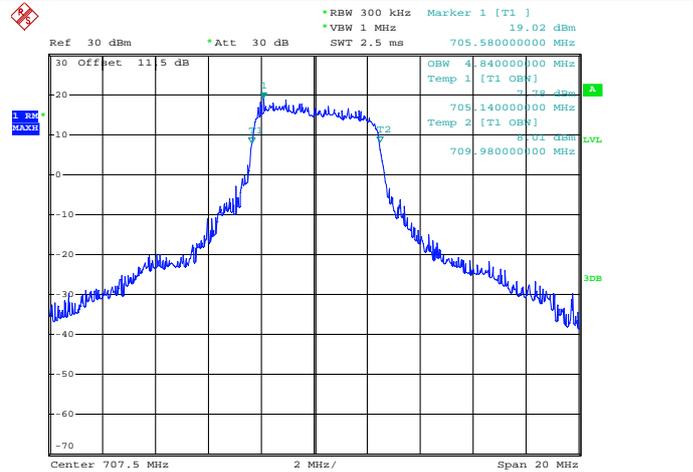
Band 12

Bandwidth 10M



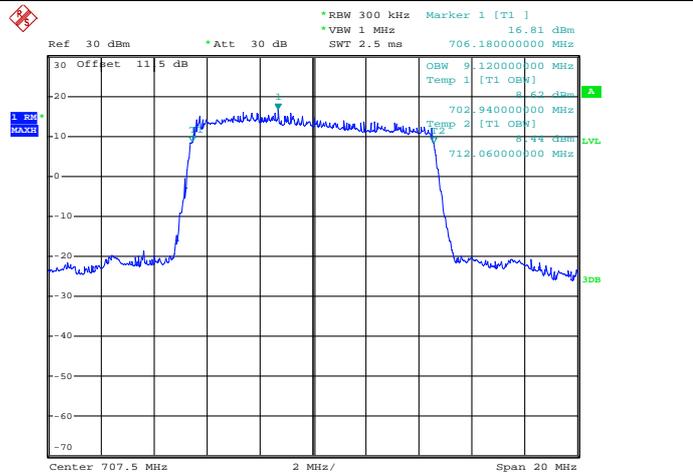
Date: 22.MAR.2012 02:23:51

25RB Size, RB Offset 13, QPSK



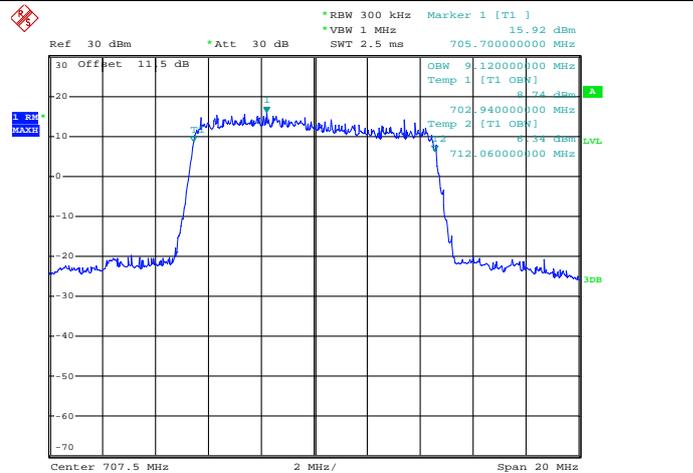
Date: 22.MAR.2012 02:24:17

25RB Size, RB Offset 13, 16QAM



Date: 22.MAR.2012 02:24:35

50RB Size, RB Offset 0, QPSK



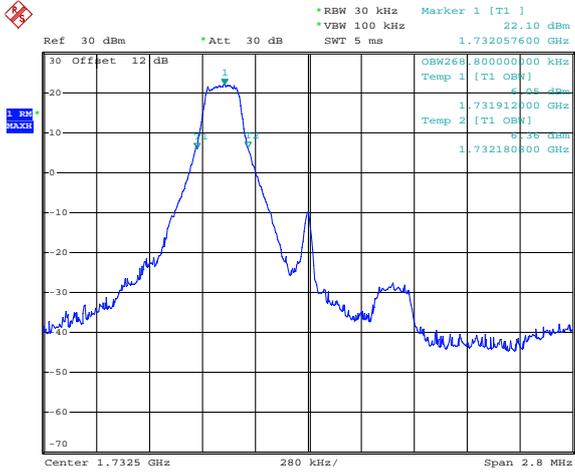
Date: 22.MAR.2012 02:24:50

50RB Size, RB Offset 0, 16QAM



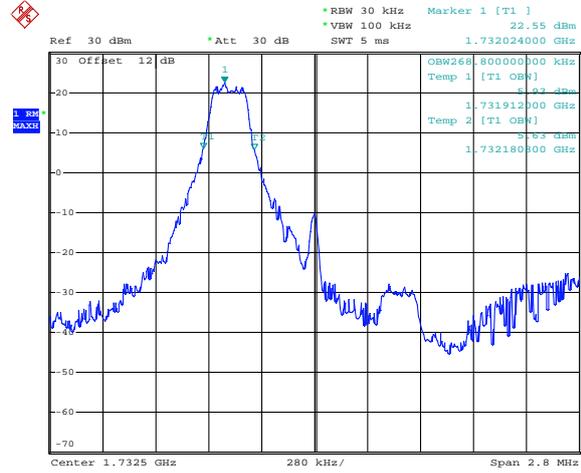
Band 4

Bandwidth 1.4M



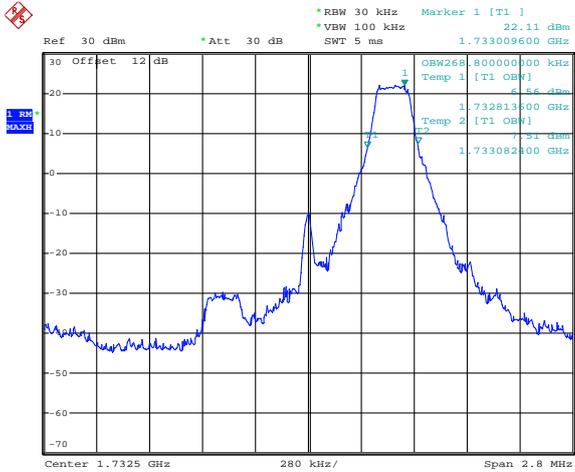
Date: 21.MAR.2012 17:48:51

1RB Size, RB Offset 0, QPSK



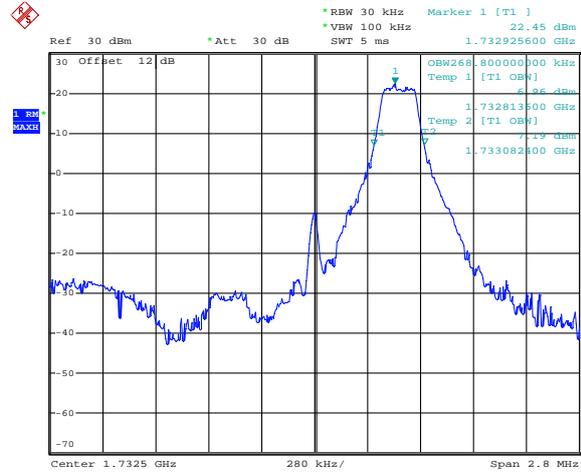
Date: 21.MAR.2012 17:49:15

1RB Size, RB Offset 0, 16QAM



Date: 21.MAR.2012 17:50:21

1RB Size, RB Offset 5, QPSK



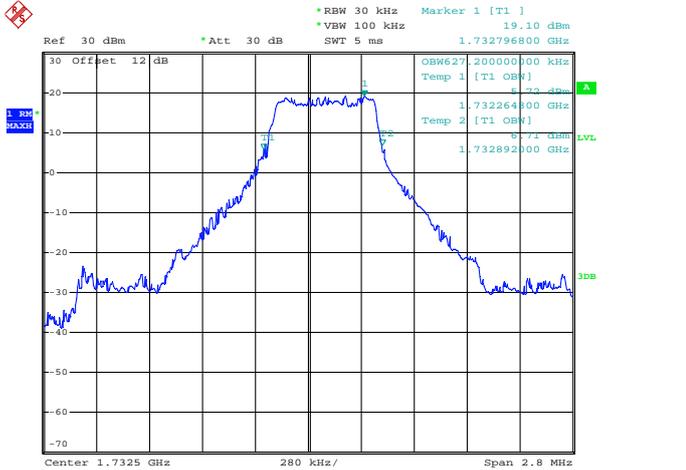
Date: 21.MAR.2012 17:51:01

1RB Size, RB Offset 5, 16QAM



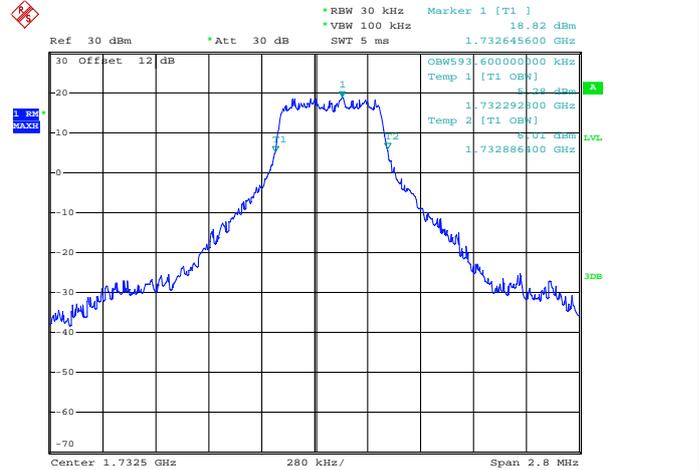
Band 4

Bandwidth 1.4M



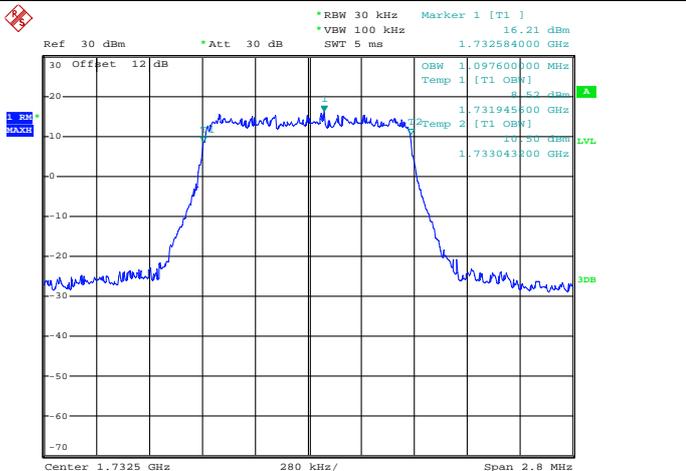
Date: 21.MAR.2012 17:51:46

3RB Size, RB Offset 2, QPSK



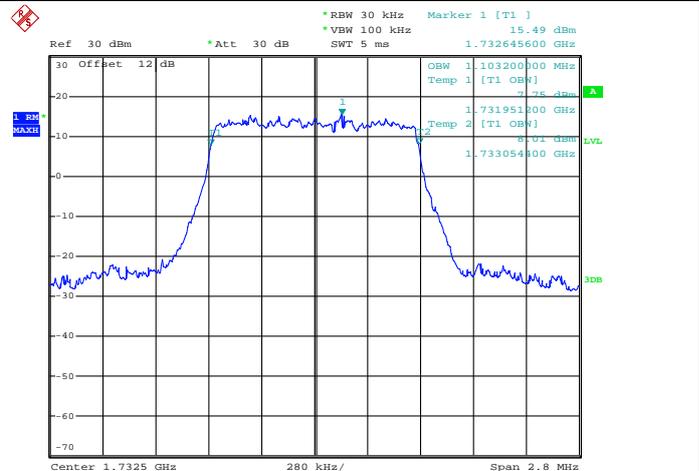
Date: 21.MAR.2012 17:52:04

3RB Size, RB Offset 2, 16QAM



Date: 21.MAR.2012 17:52:28

6RB Size, RB Offset 0, QPSK



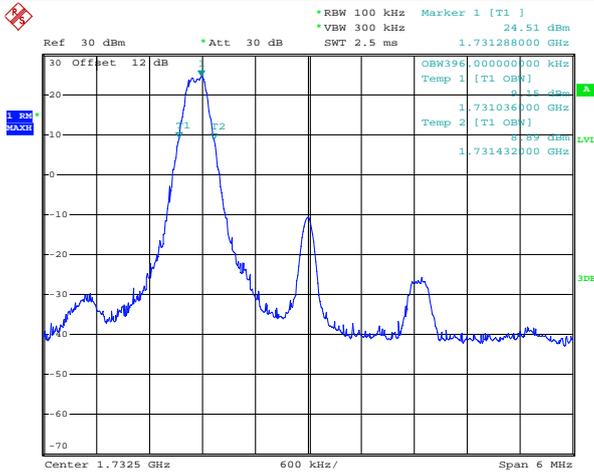
Date: 21.MAR.2012 17:53:12

6RB Size, RB Offset 0, 16QAM



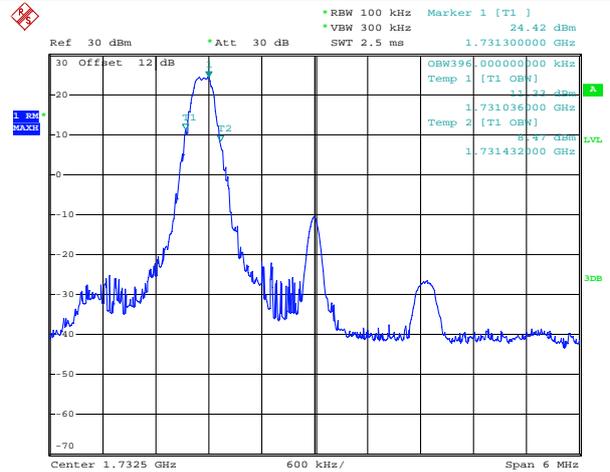
Band 4

Bandwidth 3M



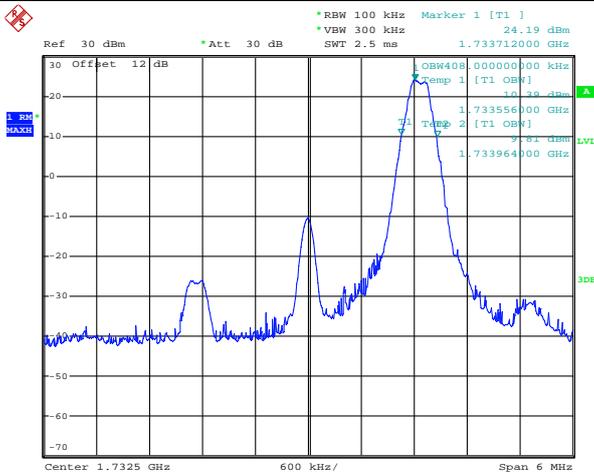
Date: 21.MAR.2012 17:55:32

1RB Size, RB Offset 0, QPSK



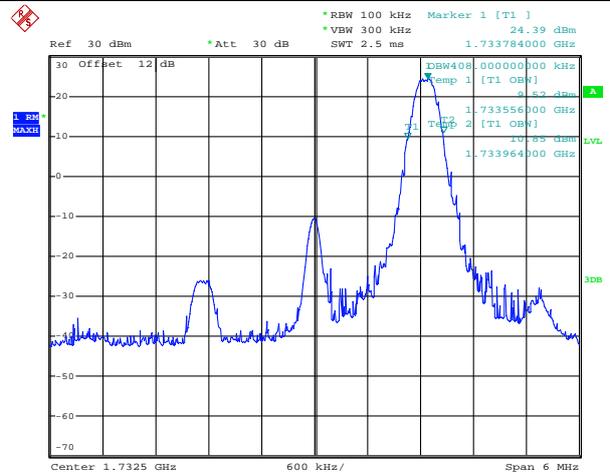
Date: 21.MAR.2012 17:55:54

1RB Size, RB Offset 0, 16QAM



Date: 21.MAR.2012 17:56:17

1RB Size, RB Offset 14, QPSK



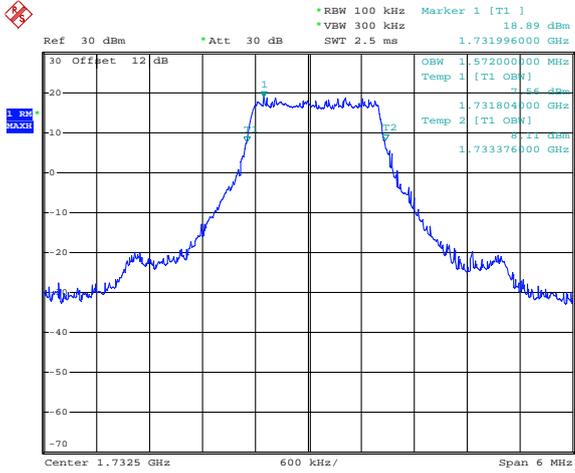
Date: 21.MAR.2012 17:56:36

1RB Size, RB Offset 14, 16QAM



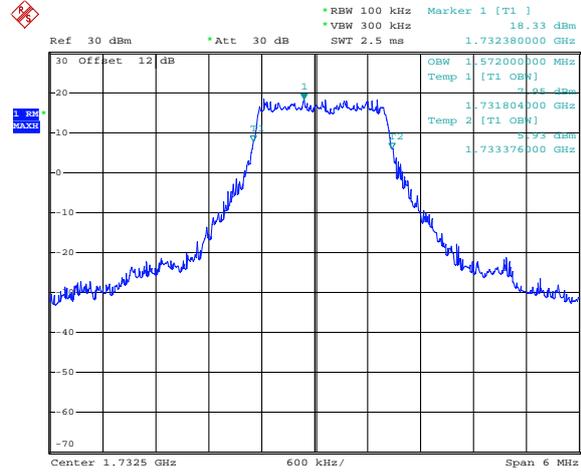
Band 4

Bandwidth 3M



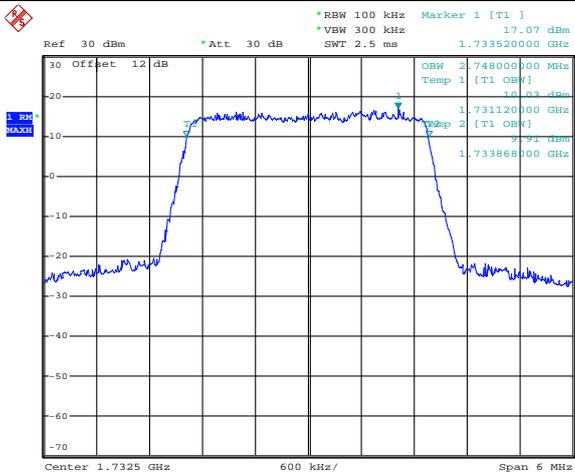
Date: 21.MAR.2012 17:58:43

8RB Size, RB Offset 4, QPSK



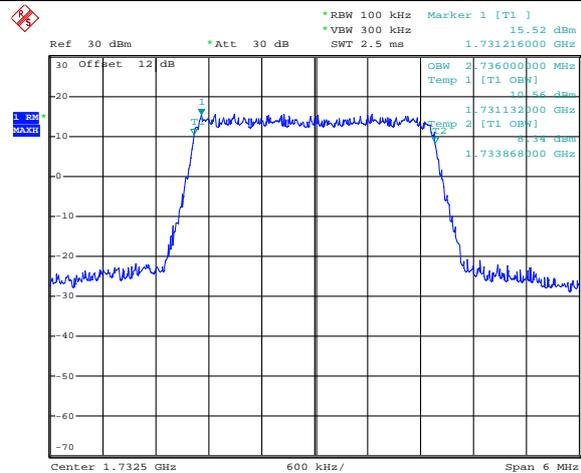
Date: 21.MAR.2012 17:59:14

8RB Size, RB Offset 4, 16QAM



Date: 21.MAR.2012 17:59:54

15RB Size, RB Offset 0, QPSK



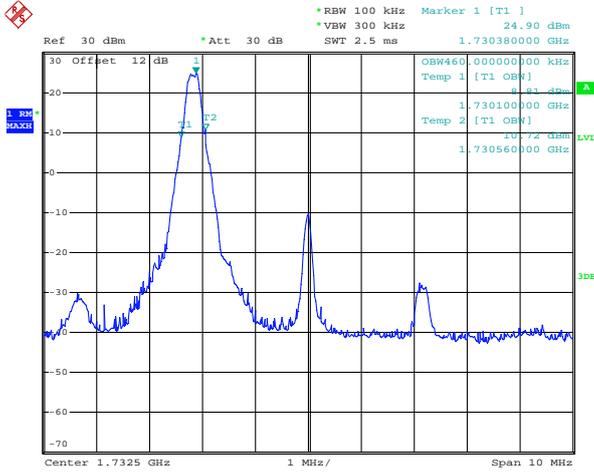
Date: 21.MAR.2012 18:00:16

15RB Size, RB Offset 0, 16QAM



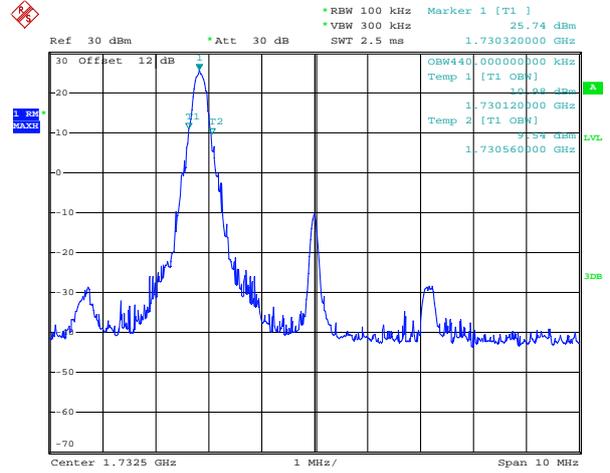
Band 4

Bandwidth 5M



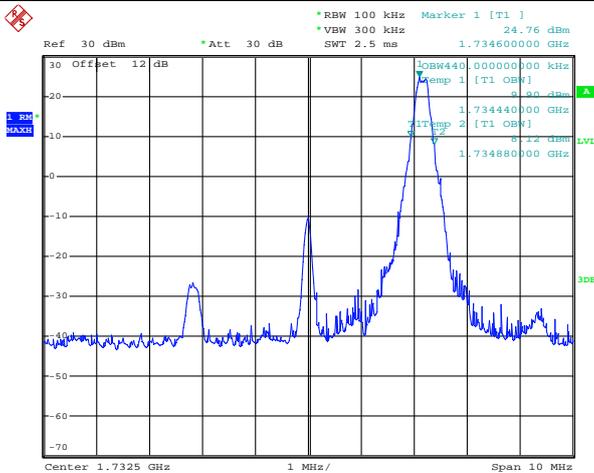
Date: 21.MAR.2012 01:13:52

1RB Size, RB Offset 0, QPSK



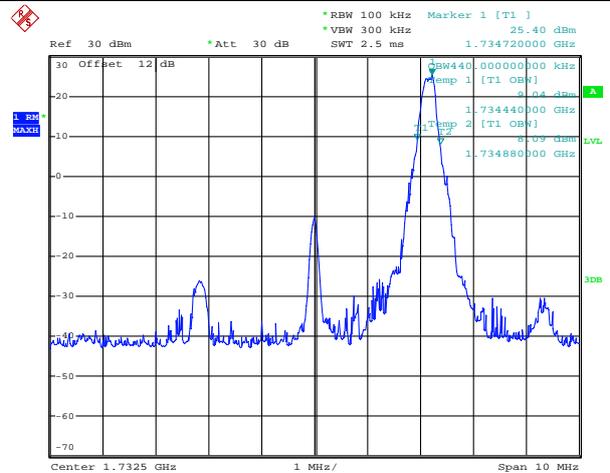
Date: 21.MAR.2012 01:14:17

1RB Size, RB Offset 0, 16QAM



Date: 21.MAR.2012 01:14:37

1RB Size, RB Offset 24, QPSK



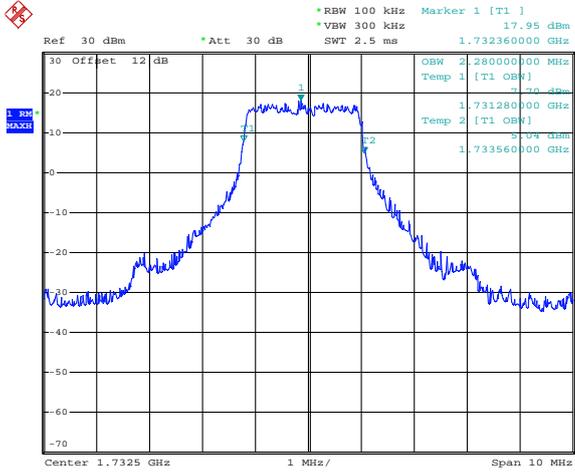
Date: 21.MAR.2012 01:15:21

1RB Size, RB Offset 24, 16QAM



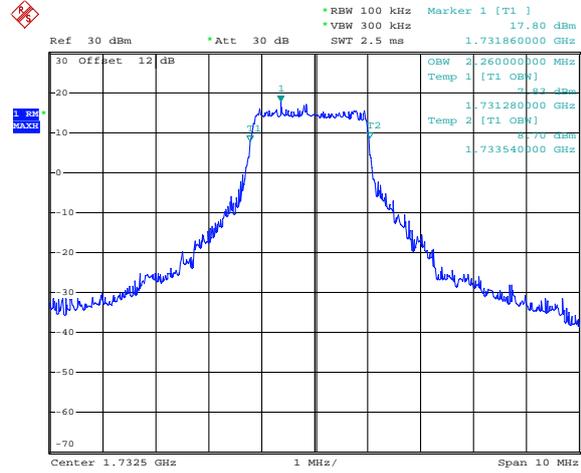
Band 4

Bandwidth 5M



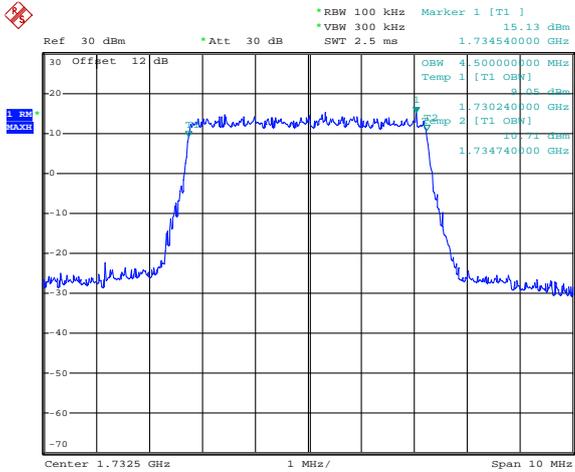
Date: 21.MAR.2012 01:15:56

12RB Size, RB Offset 6, QPSK



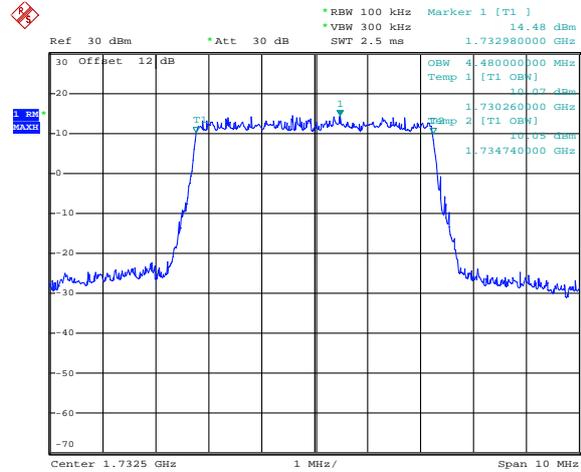
Date: 21.MAR.2012 01:16:11

12RB Size, RB Offset 6, 16QAM



Date: 21.MAR.2012 01:16:54

25RB Size, RB Offset 0, QPSK



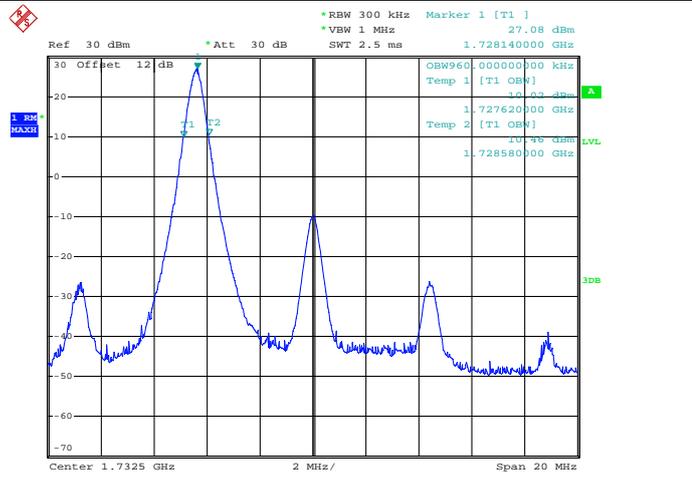
Date: 21.MAR.2012 01:17:12

25RB Size, RB Offset 0, 16QAM



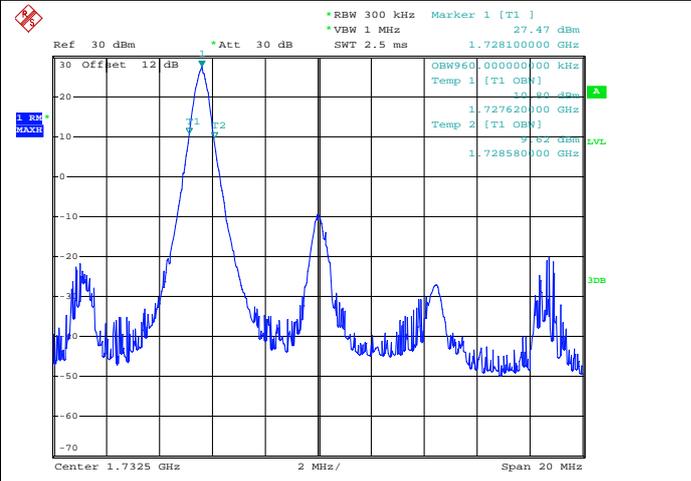
Band 4

Bandwidth 10M



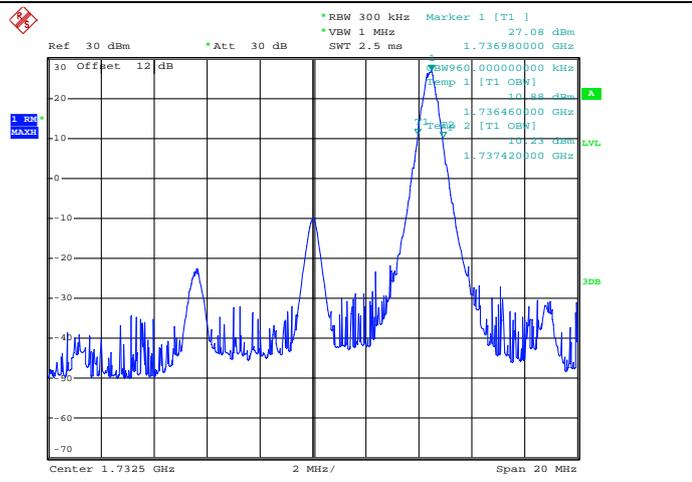
Date: 21.MAR.2012 01:22:50

1RB Size, RB Offset 0, QPSK



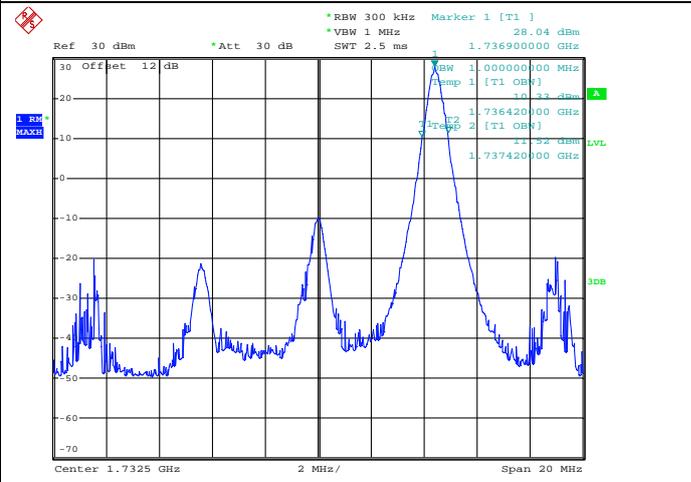
Date: 21.MAR.2012 01:23:22

1RB Size, RB Offset 0, 16QAM



Date: 21.MAR.2012 01:23:45

1RB Size, RB Offset 49, QPSK



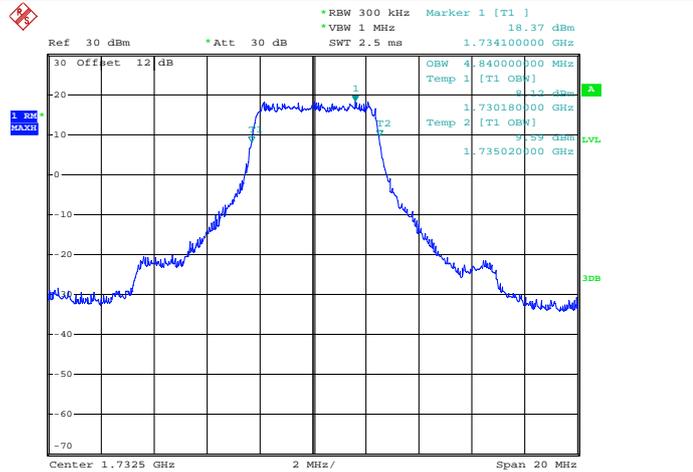
Date: 21.MAR.2012 01:24:21

1RB Size, RB Offset 49, 16QAM



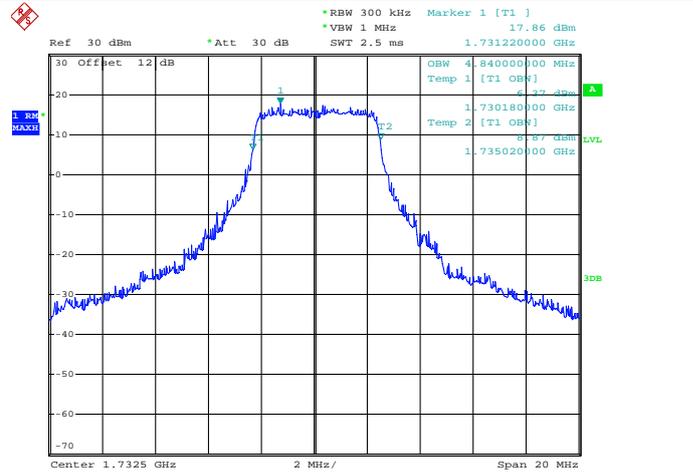
Band 4

Bandwidth 10M



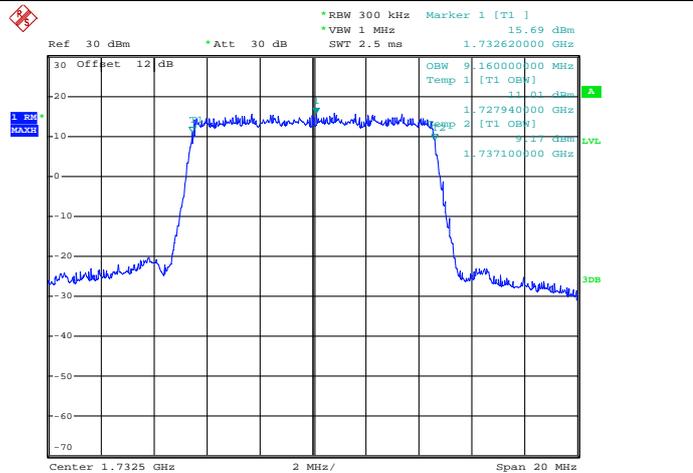
Date: 21.MAR.2012 01:25:25

25RB Size, RB Offset 13, QPSK



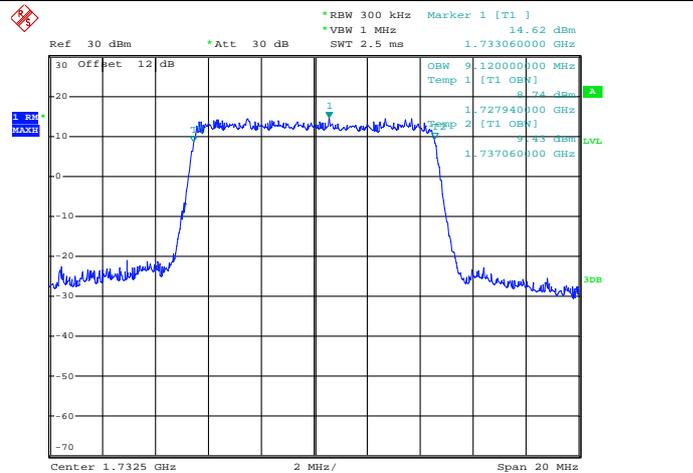
Date: 21.MAR.2012 01:25:50

25RB Size, RB Offset 13, 16QAM



Date: 21.MAR.2012 01:26:29

50RB Size, RB Offset 0, QPSK



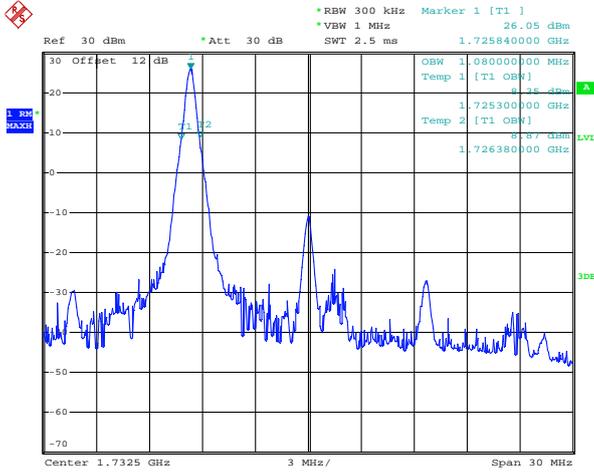
Date: 21.MAR.2012 01:26:48

50RB Size, RB Offset 0, 16QAM



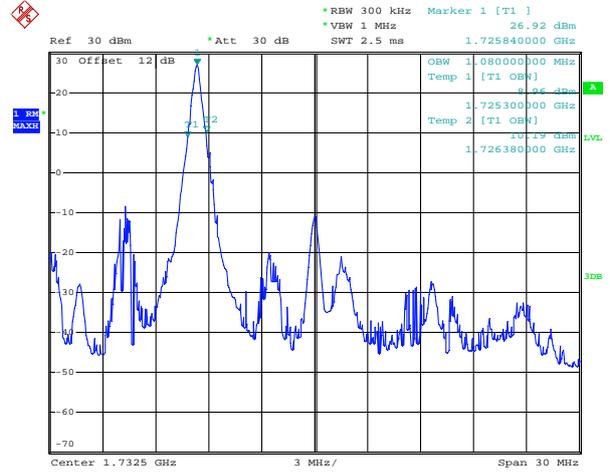
Band 4

Bandwidth 15M



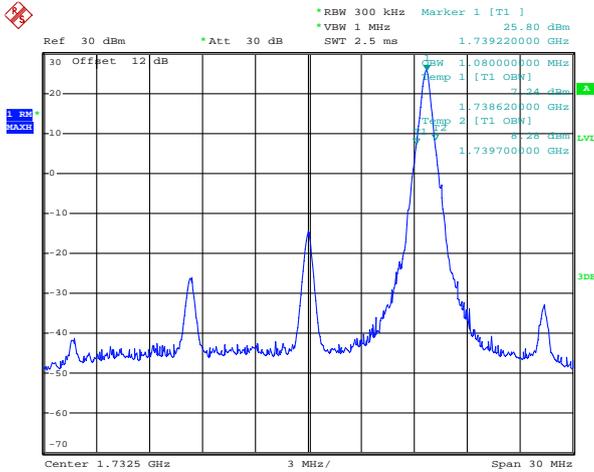
Date: 21.MAR.2012 17:28:17

1RB Size, RB Offset 0, QPSK



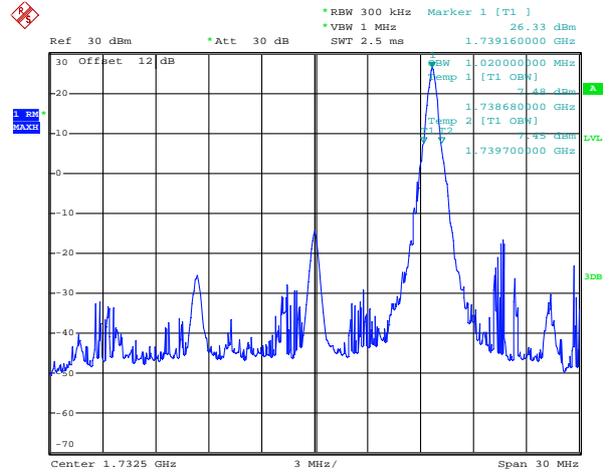
Date: 21.MAR.2012 17:29:01

1RB Size, RB Offset 0, 16QAM



Date: 21.MAR.2012 17:29:41

1RB Size, RB Offset 74, QPSK



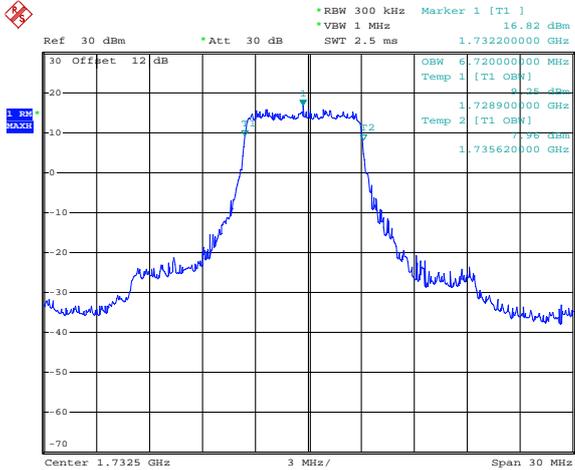
Date: 21.MAR.2012 17:29:58

1RB Size, RB Offset 74, 16QAM



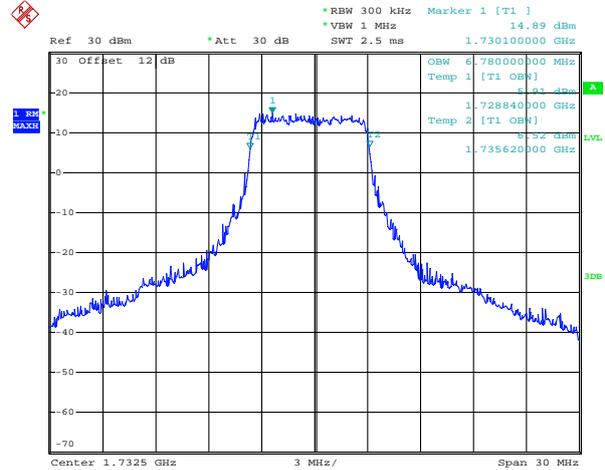
Band 4

Bandwidth 15M



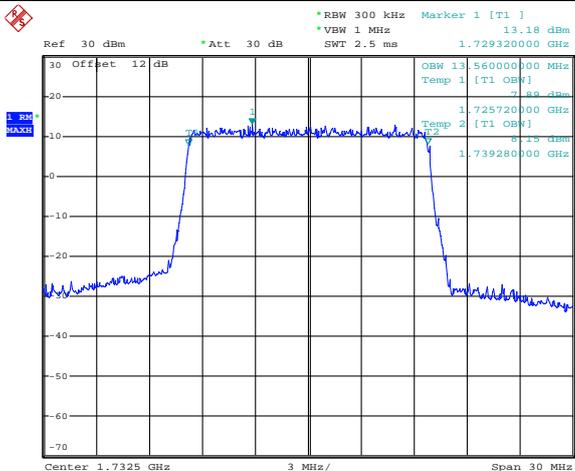
Date: 21.MAR.2012 17:32:18

36RB Size, RB Offset 18, QPSK



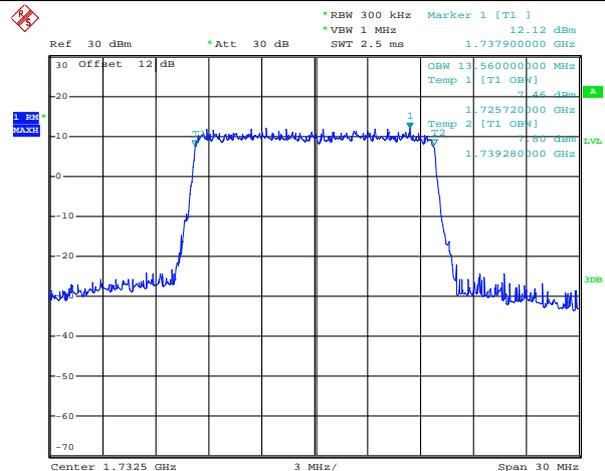
Date: 21.MAR.2012 17:32:36

36RB Size, RB Offset 18, 16QAM



Date: 21.MAR.2012 17:33:34

75RB Size, RB Offset 0, QPSK



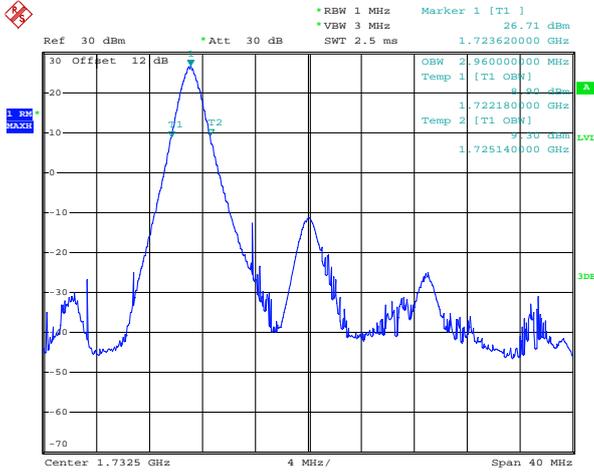
Date: 21.MAR.2012 17:33:55

75RB Size, RB Offset 0, 16QAM



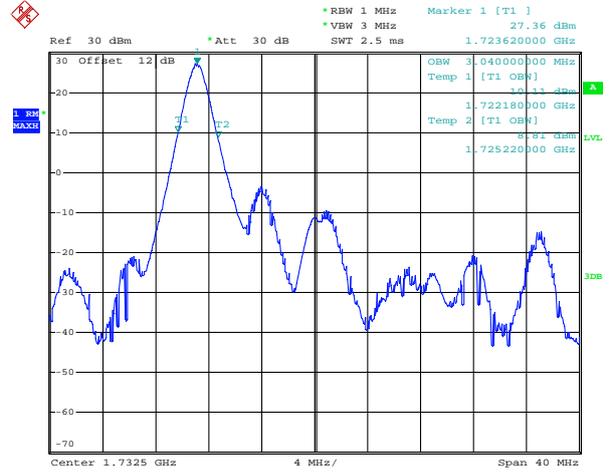
Band 4

Bandwidth 20M



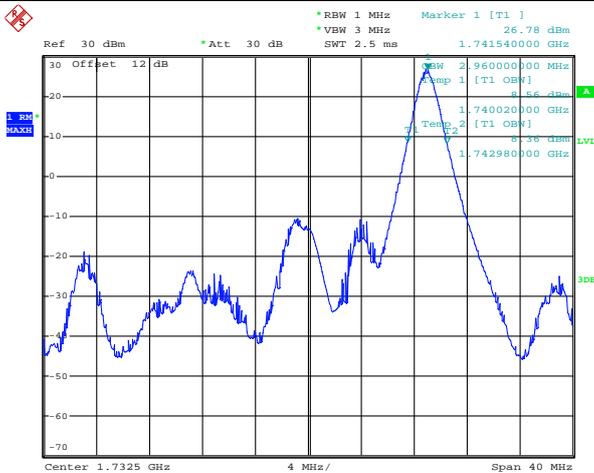
Date: 21.MAR.2012 17:37:56

1RB Size, RB Offset 0, QPSK



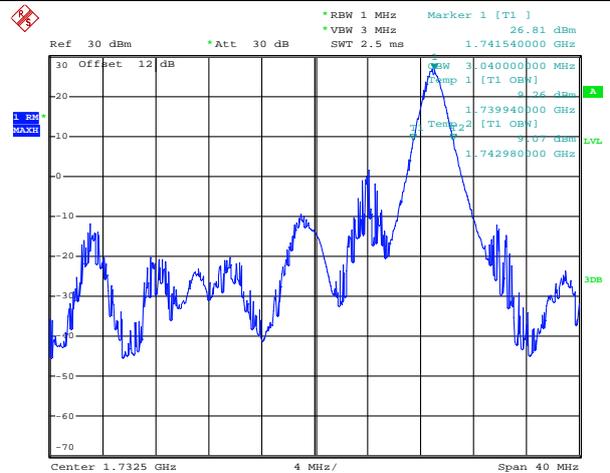
Date: 21.MAR.2012 17:39:13

1RB Size, RB Offset 0, 16QAM



Date: 21.MAR.2012 17:39:40

1RB Size, RB Offset 99, QPSK



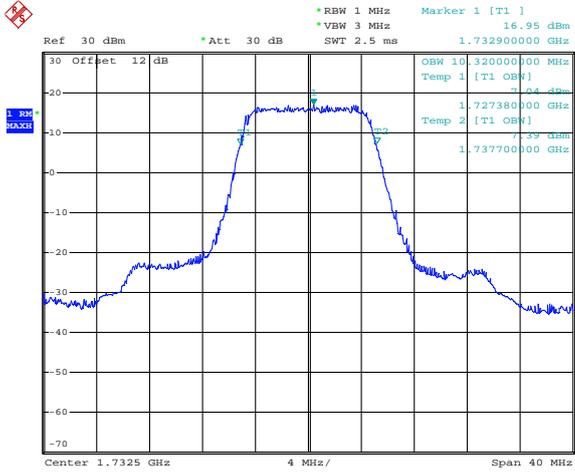
Date: 21.MAR.2012 17:40:57

1RB Size, RB Offset 99, 16QAM



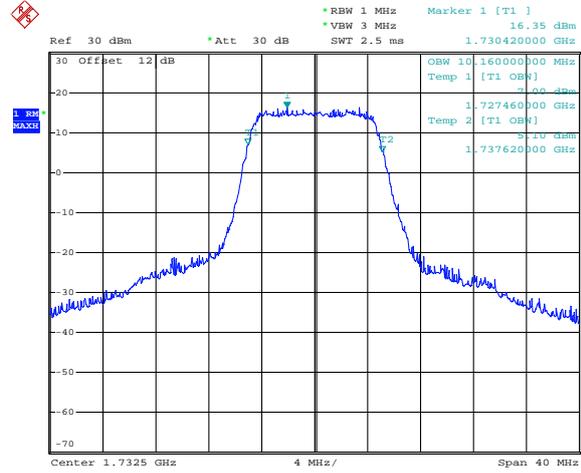
Band 4

Bandwidth 20M



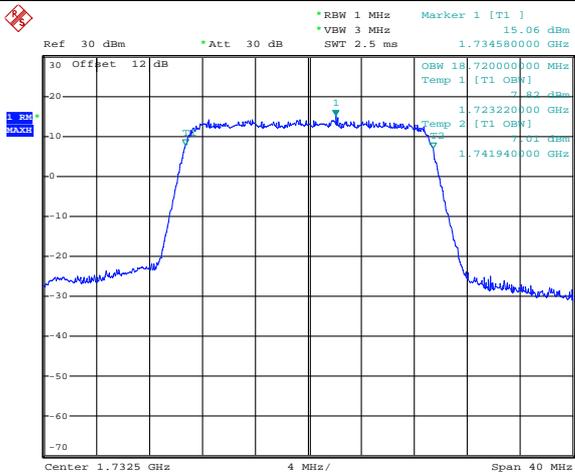
Date: 21.MAR.2012 17:42:12

50RB Size, RB Offset 25, QPSK



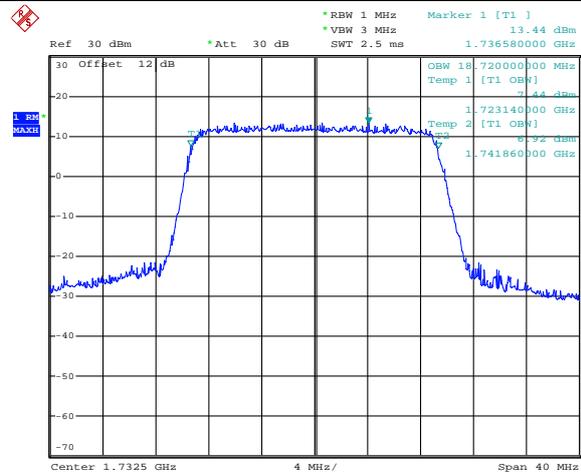
Date: 21.MAR.2012 17:42:28

50RB Size, RB Offset 25, 16QAM



Date: 21.MAR.2012 17:43:52

100RB Size, RB Offset 0, QPSK



Date: 21.MAR.2012 17:44:11

100RB Size, RB Offset 0, 16QAM