



Appendix E. Spectrum Plots From RB Size

Operation Band	Bandwidth	Modulation	RB Size/Offset	OBW99%(MHZ)
Band 2	1.4MHz	QPSK	1RB / Offset 0	0.28
			1RB / Offset 5	0.28
			3RB / Offset 2	0.655
			6RB / Offset 0	1.092
		16QAM	1RB / Offset 0	0.28
			1RB / Offset 5	0.285
			3RB / Offset 2	0.621
			6RB / Offset 0	1.097
	3MHz	QPSK	1RB / Offset 0	0.408
			1RB / Offset 14	0.42
			8RB / Offset 4	1.596
			15RB / Offset 0	2.736
		16QAM	1RB / Offset 0	0.432
			1RB / Offset 14	0.42
			8RB / Offset 4	1.584
			15RB / Offset 0	2.736
	5MHz	QPSK	1RB / Offset 0	0.5
			1RB / Offset 24	0.48
			12RB / Offset 6	2.28
			25RB / Offset 0	4.52
		16QAM	1RB / Offset 0	0.48
			1RB / Offset 24	0.48
			12RB / Offset 6	2.26
			25RB / Offset 0	4.52
10MHz	QPSK	1RB / Offset 0	1	
		1RB / Offset 49	0.96	
		25RB / Offset 13	4.8	
		50RB / Offset 0	9.16	
	16QAM	1RB / Offset 0	0.96	
		1RB / Offset 49	0.96	
		25RB / Offset 13	4.8	
		50RB / Offset 0	9.08	



Operation Band	Bandwidth	Modulation	RB Size/Offset	OBW99%(MHZ)
Band 4	1.4MHz	QPSK	1RB / Offset 0	0.291
			1RB / Offset 5	0.285
			3RB / Offset 2	0.649
			6RB / Offset 0	1.103
		16QAM	1RB / Offset 0	0.28
			1RB / Offset 5	0.296
			3RB / Offset 2	0.644
			6RB / Offset 0	1.097
	3MHz	QPSK	1RB / Offset 0	0.42
			1RB / Offset 14	0.408
			8RB / Offset 4	1.596
			15RB / Offset 0	2.724
		16QAM	1RB / Offset 0	0.444
			1RB / Offset 14	0.432
			8RB / Offset 4	1.608
			15RB / Offset 0	2.736
	5MHz	QPSK	1RB / Offset 0	0.48
			1RB / Offset 24	0.48
			12RB / Offset 6	2.3
			25RB / Offset 0	4.5
		16QAM	1RB / Offset 0	0.5
			1RB / Offset 24	0.48
			12RB / Offset 6	2.28
			25RB / Offset 0	4.52
10MHz	QPSK	1RB / Offset 0	0.96	
		1RB / Offset 49	1.04	
		25RB / Offset 13	4.84	
		50RB / Offset 0	9.12	
	16QAM	1RB / Offset 0	0.96	
		1RB / Offset 49	1	
		25RB / Offset 13	4.88	
		50RB / Offset 0	9.12	

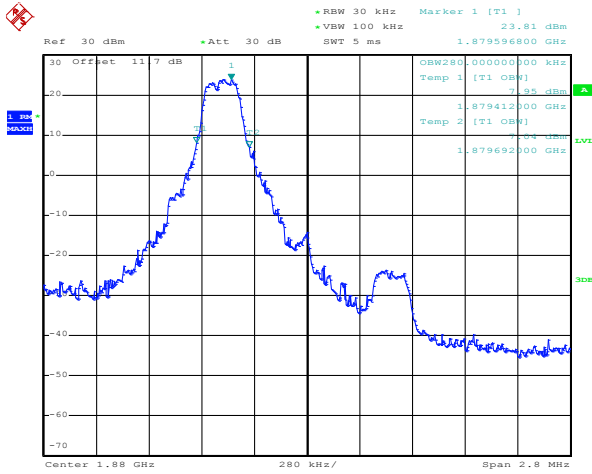


Operation Band	Bandwidth	Modulation	RB Size/Offset	OBW99%(MHZ)
Band 12	1.4MHz	QPSK	1RB / Offset 0	0.274
			1RB / Offset 5	0.28
			3RB / Offset 2	0.627
			6RB / Offset 0	1.103
		16QAM	1RB / Offset 0	0.274
			1RB / Offset 5	0.268
			3RB / Offset 2	0.61
			6RB / Offset 0	1.103
	3MHz	QPSK	1RB / Offset 0	0.42
			1RB / Offset 14	0.396
			8RB / Offset 4	1.584
			15RB / Offset 0	2.736
		16QAM	1RB / Offset 0	0.396
			1RB / Offset 14	0.384
			8RB / Offset 4	1.584
			15RB / Offset 0	2.748
	5MHz	QPSK	1RB / Offset 0	0.46
			1RB / Offset 24	0.46
			12RB / Offset 6	2.26
			25RB / Offset 0	4.5
		16QAM	1RB / Offset 0	0.46
			1RB / Offset 24	0.42
			12RB / Offset 6	2.26
			25RB / Offset 0	4.5
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	4.84	
		50RB / Offset 0	9.08	

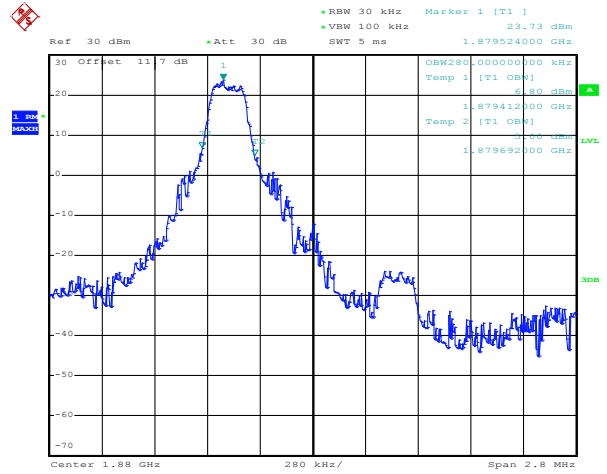


Band 2

Bandwidth 1.4M

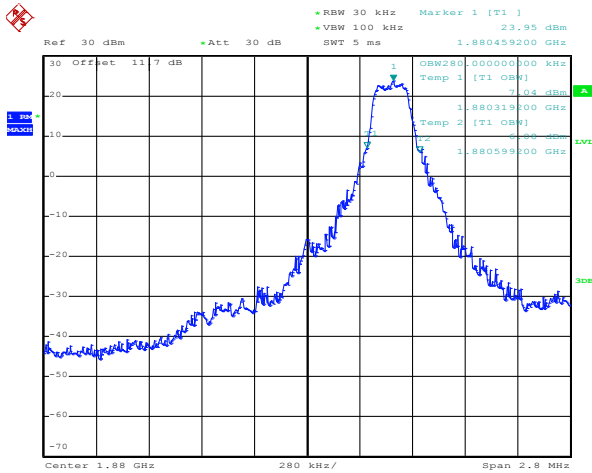


Date: 19.SEP.2012 21:46:48



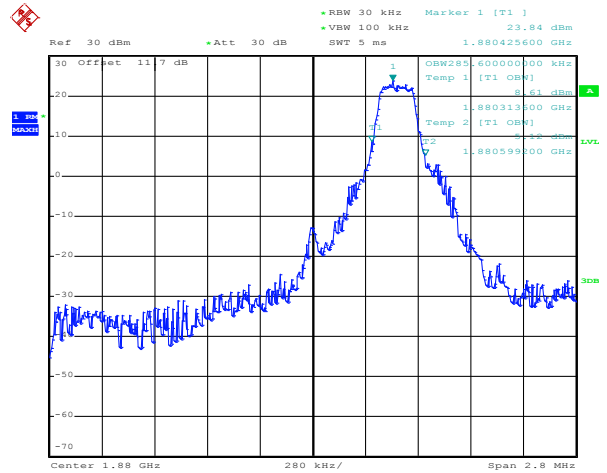
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1RB Size, RB Offset 0, QPSK



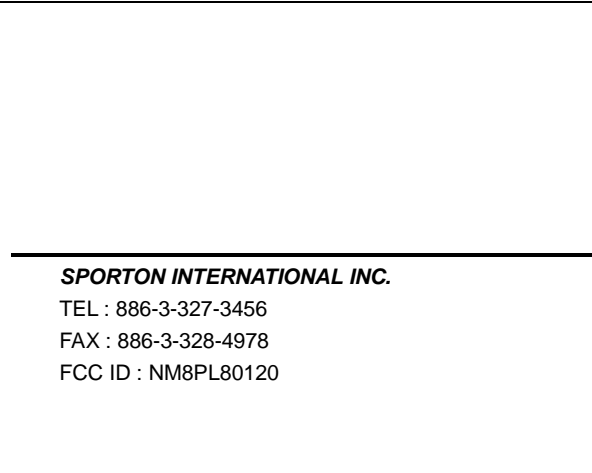
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1RB Size, RB Offset 0, 16QAM



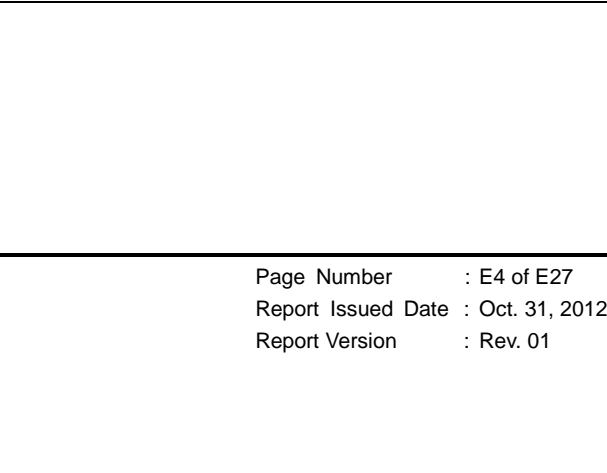
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1RB Size, RB Offset 5, QPSK



Date: 19.SEP.2012 21:47:59

1RB Size, RB Offset 5, 16QAM

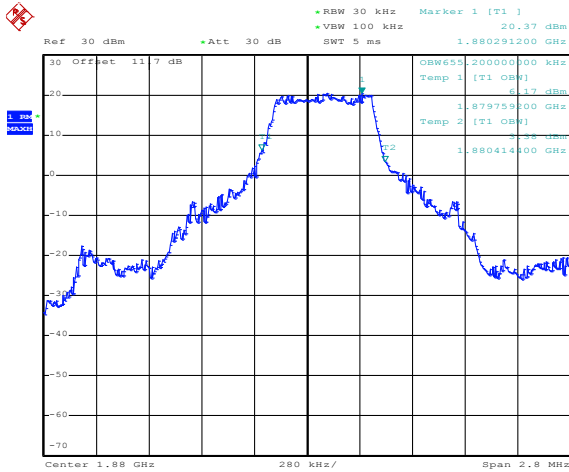


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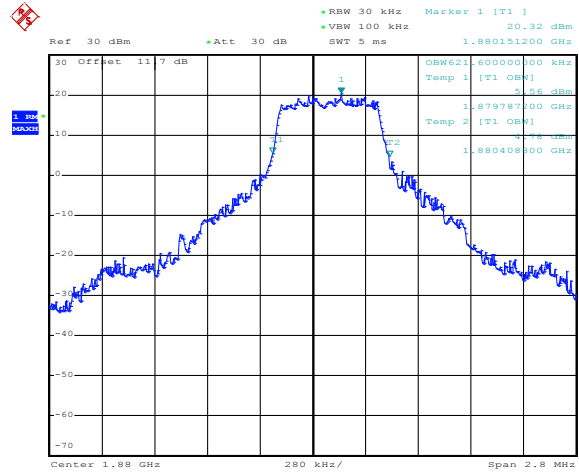


Band 2

Bandwidth 1.4M

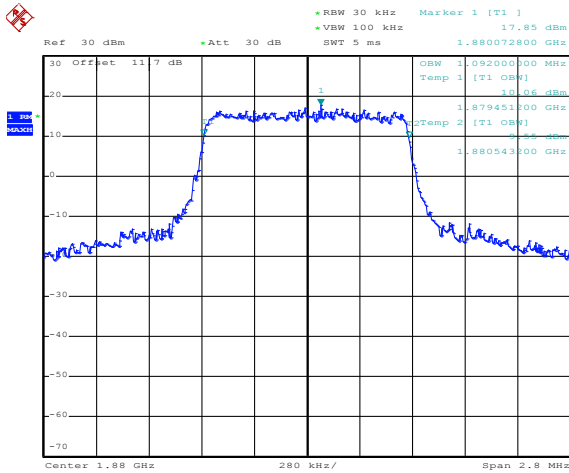


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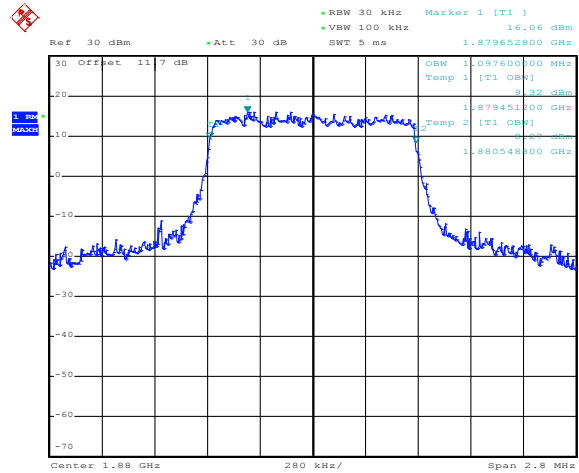
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3RB Size, RB Offset 2, QPSK



Date: 19.SEP.2012 21:45:57

3RB Size, RB Offset 2, 16QAM



Date: 19.SEP.2012 21:46:18

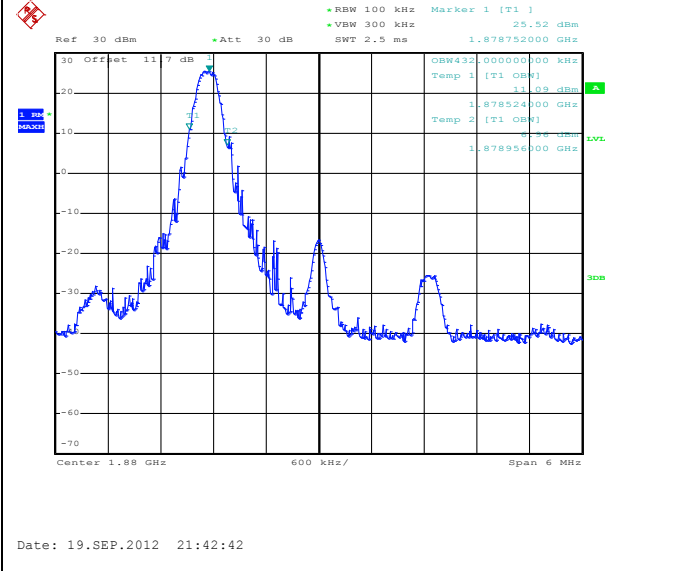
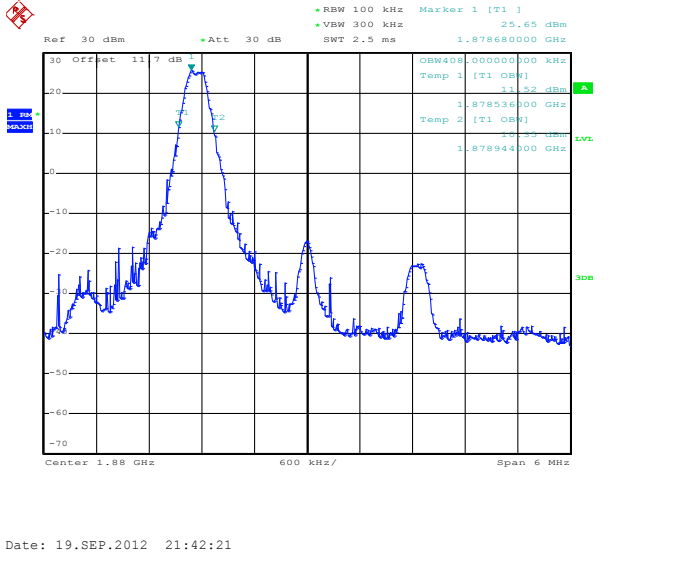
6RB Size, RB Offset 0, QPSK

6RB Size, RB Offset 0, 16QAM

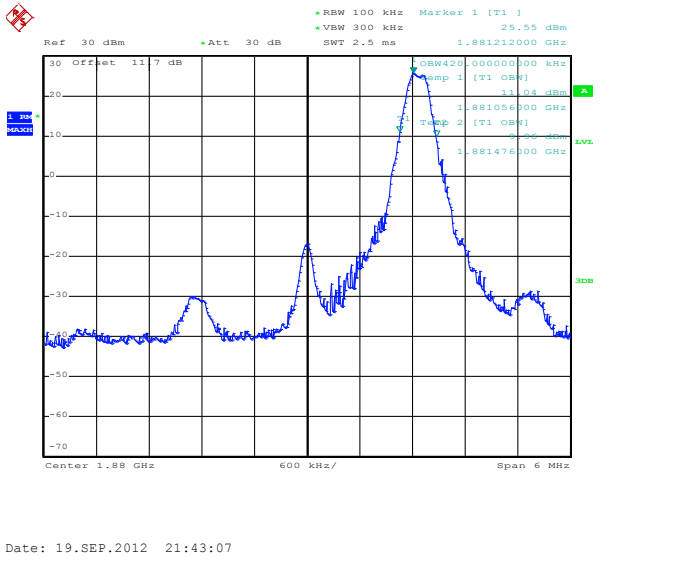


Band 2

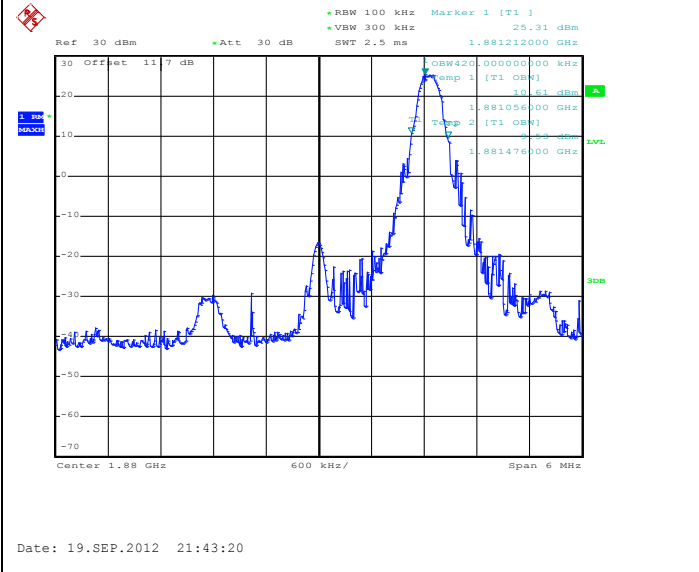
Bandwidth 3M



1RB Size, RB Offset 0, QPSK



1RB Size, RB Offset 0, 16QAM



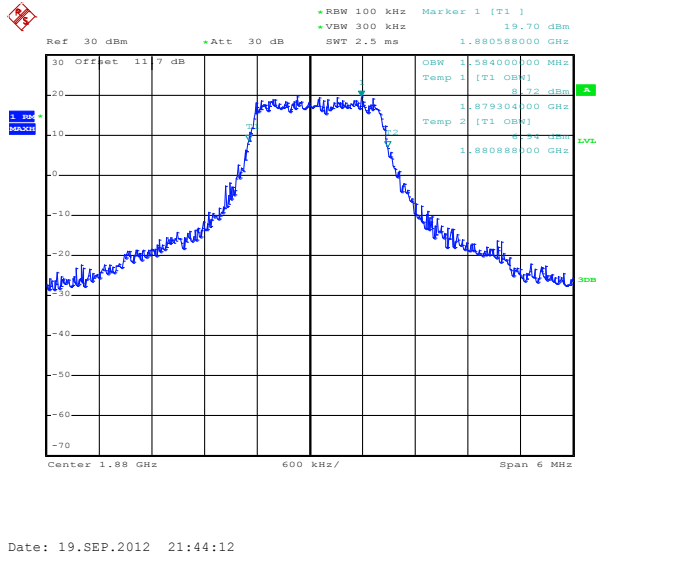
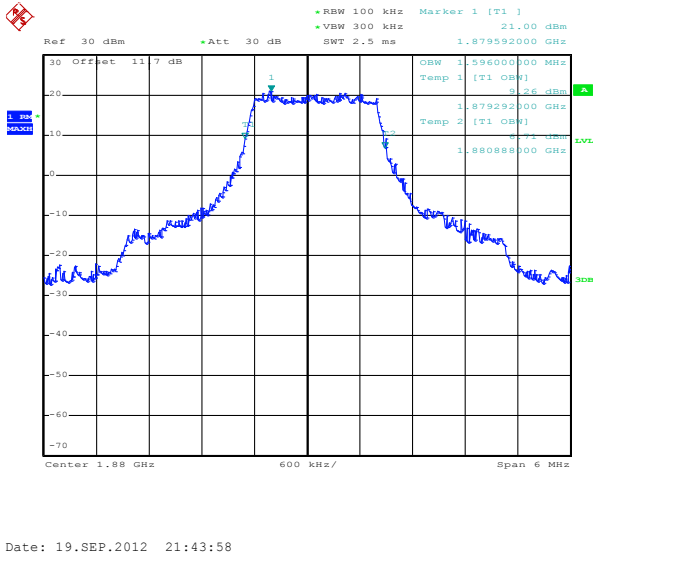
1RB Size, RB Offset 14, QPSK

1RB Size, RB Offset 14, 16QAM

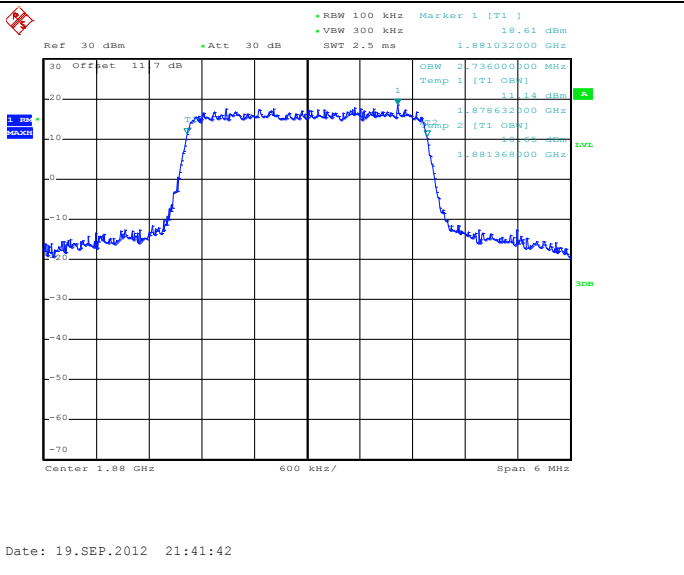


Band 2

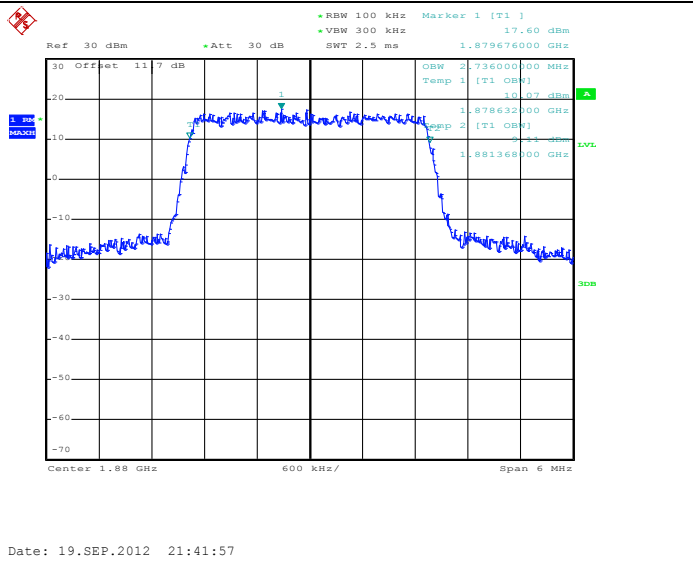
Bandwidth 3M



8RB Size, RB Offset 4, QPSK



8RB Size, RB Offset 4, 16QAM



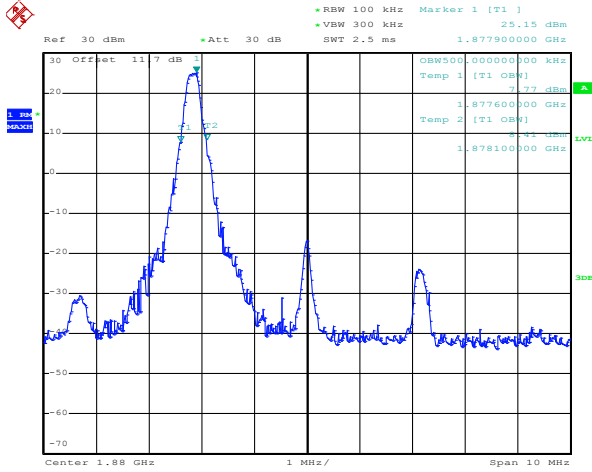
15RB Size, RB Offset 0, QPSK

15RB Size, RB Offset 0, 16QAM

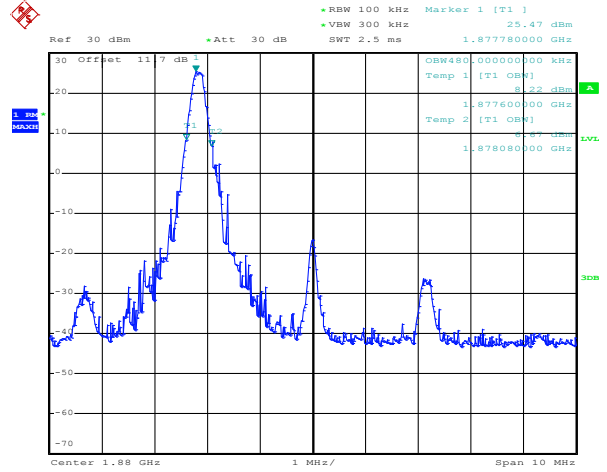


Band 2

Bandwidth 5M

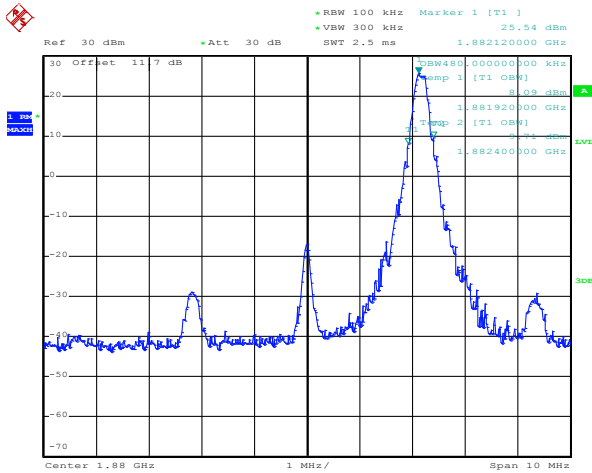


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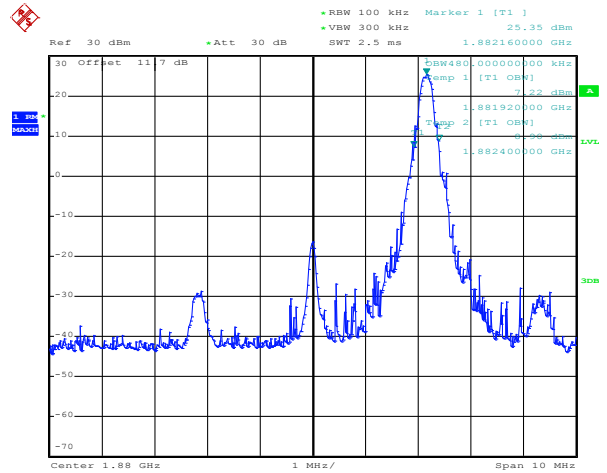
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1RB Size, RB Offset 0, QPSK



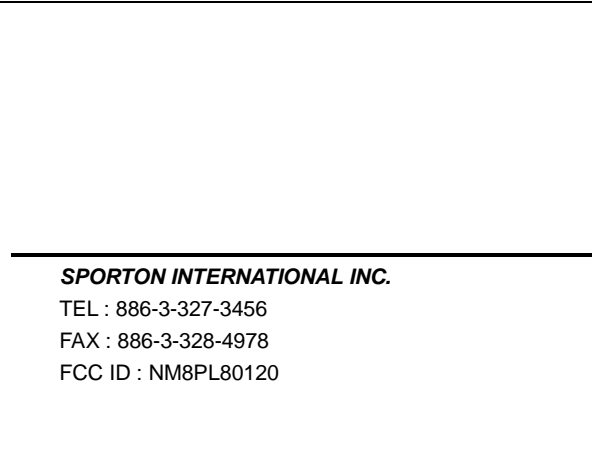
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1RB Size, RB Offset 0, 16QAM



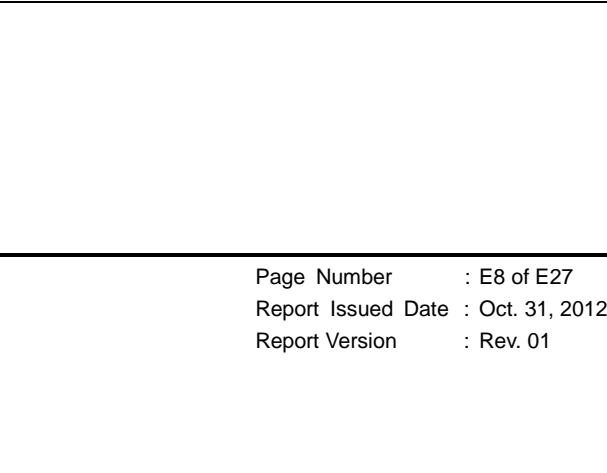
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1RB Size, RB Offset 24, QPSK



Date: 19.SEP.2012 21:35:01

1RB Size, RB Offset 24, 16QAM

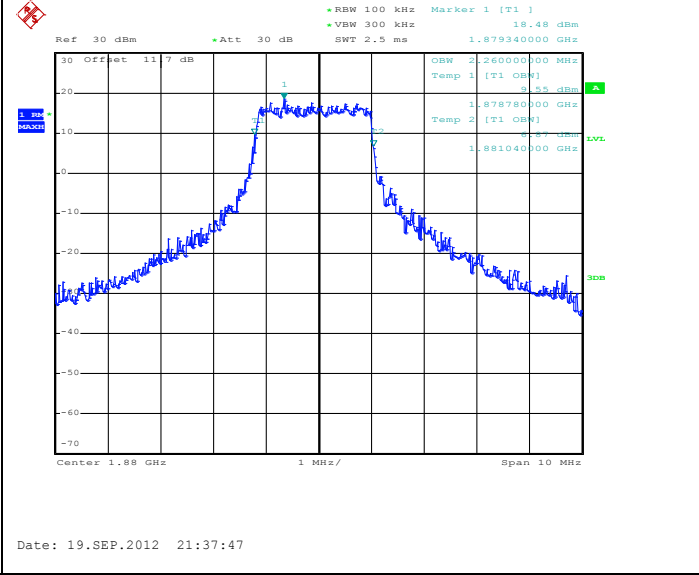
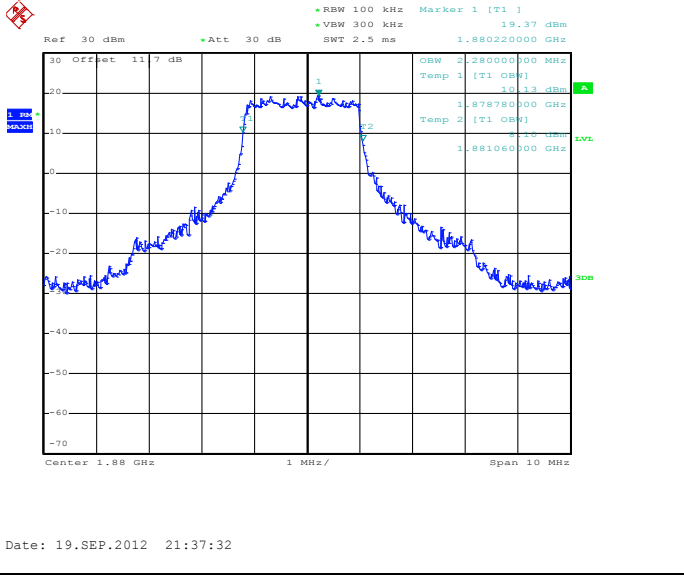


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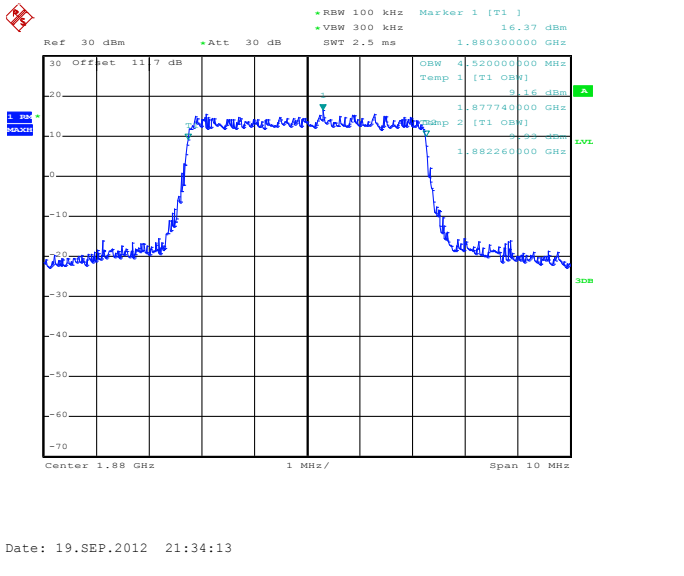


Band 2

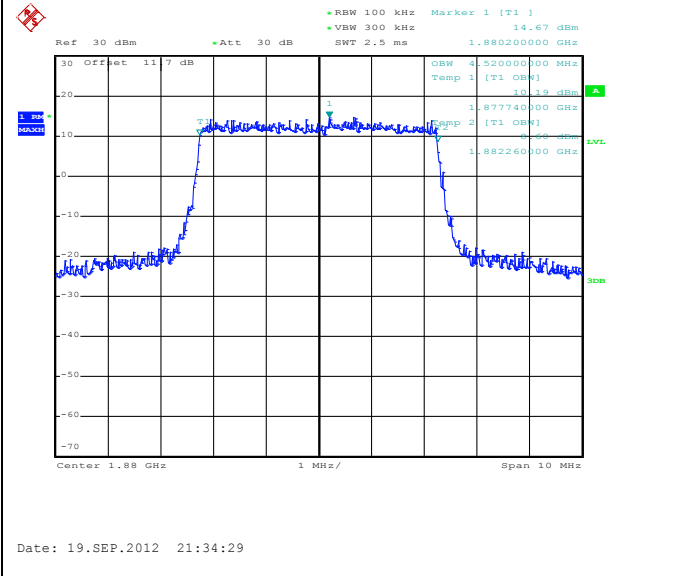
Bandwidth 5M



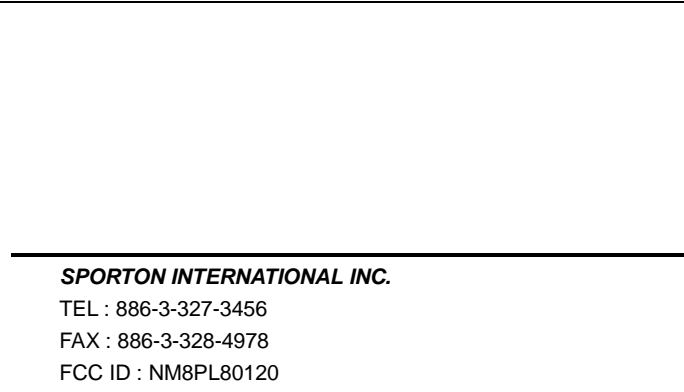
12RB Size, RB Offset 6, QPSK



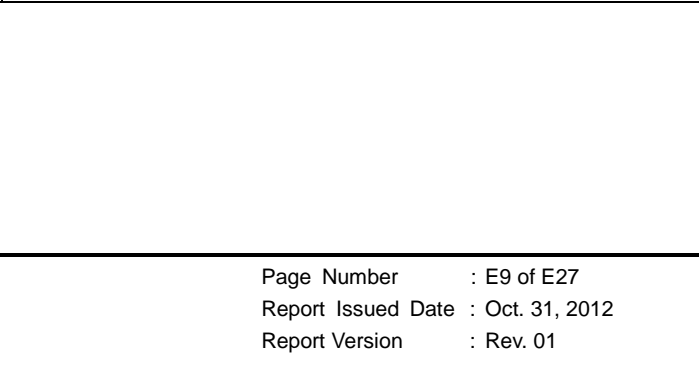
12RB Size, RB Offset 6, 16QAM



25RB Size, RB Offset 0, QPSK



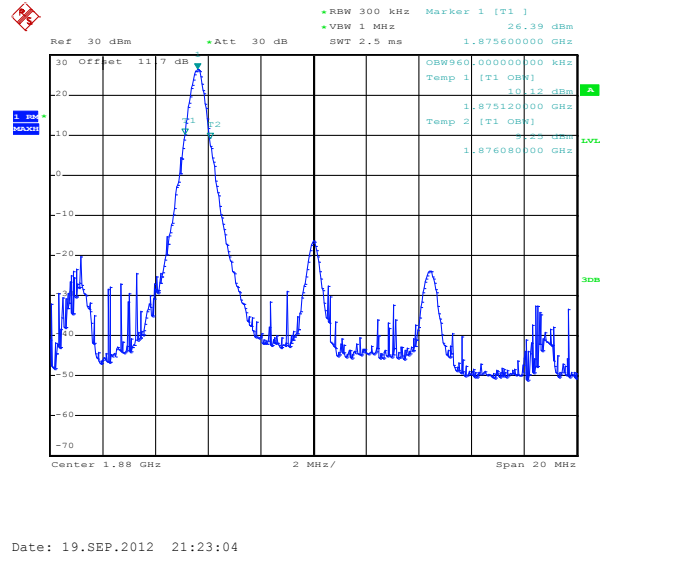
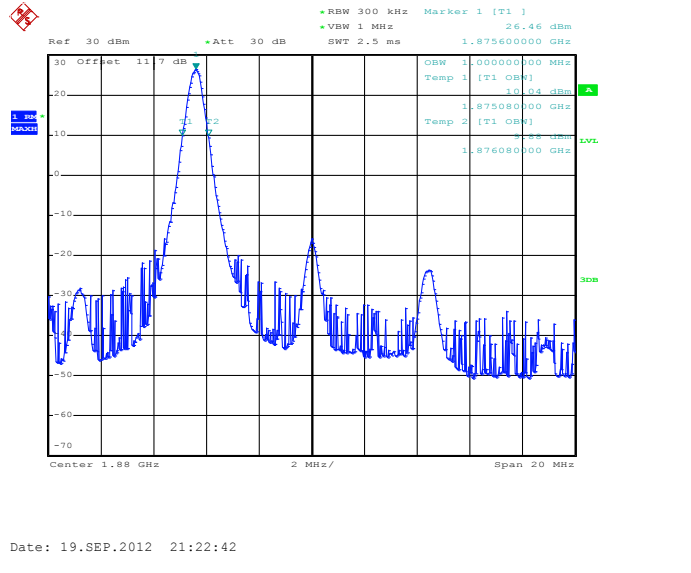
25RB Size, RB Offset 0, 16QAM



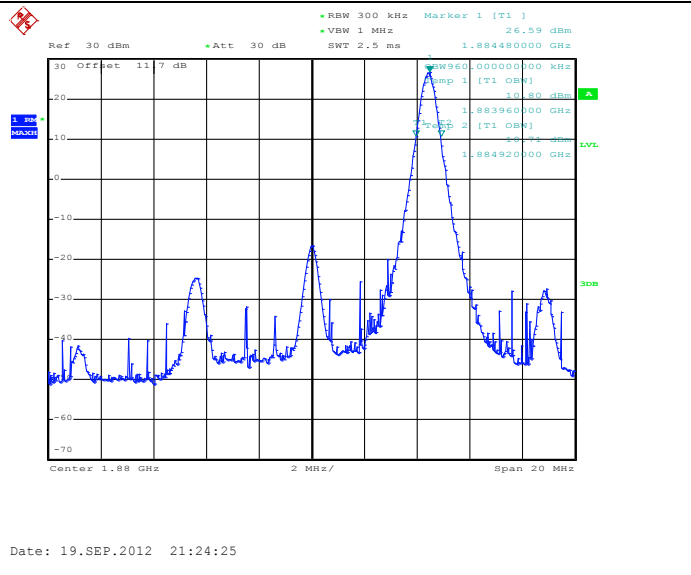


Band 2

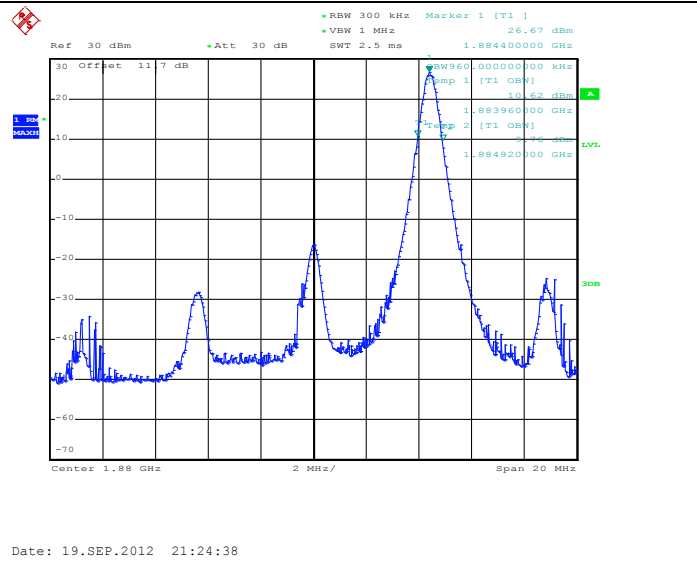
Bandwidth 10M



1RB Size, RB Offset 0, QPSK



1RB Size, RB Offset 0, 16QAM



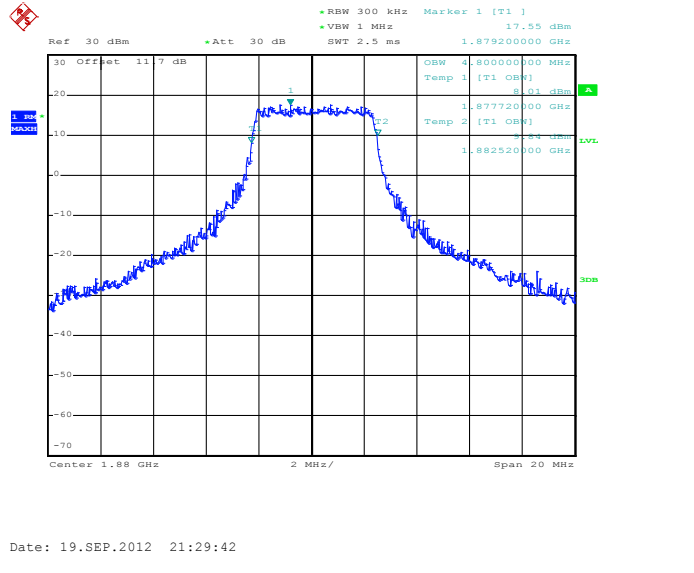
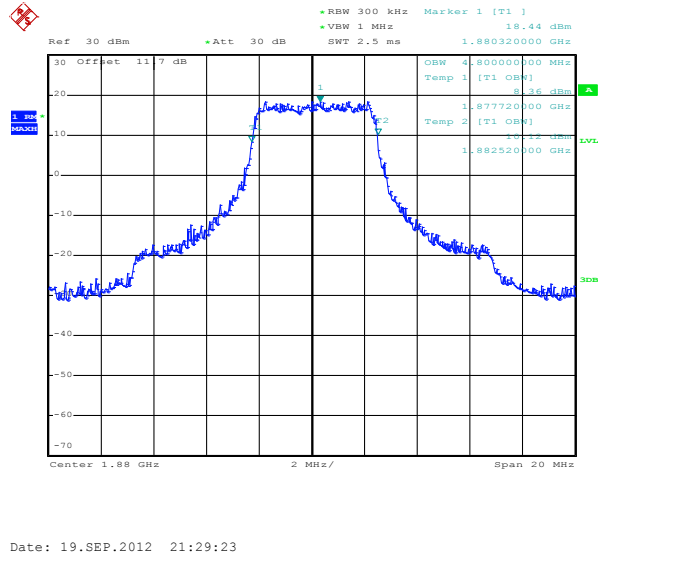
1RB Size, RB Offset 49, QPSK

1RB Size, RB Offset 49, 16QAM



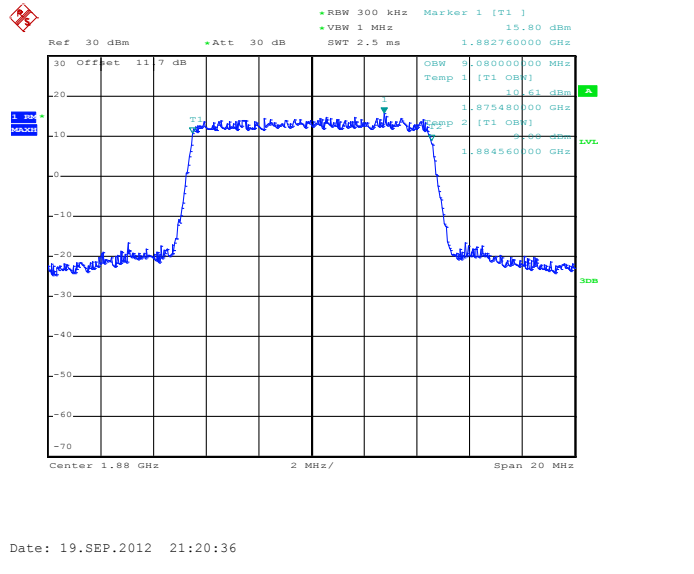
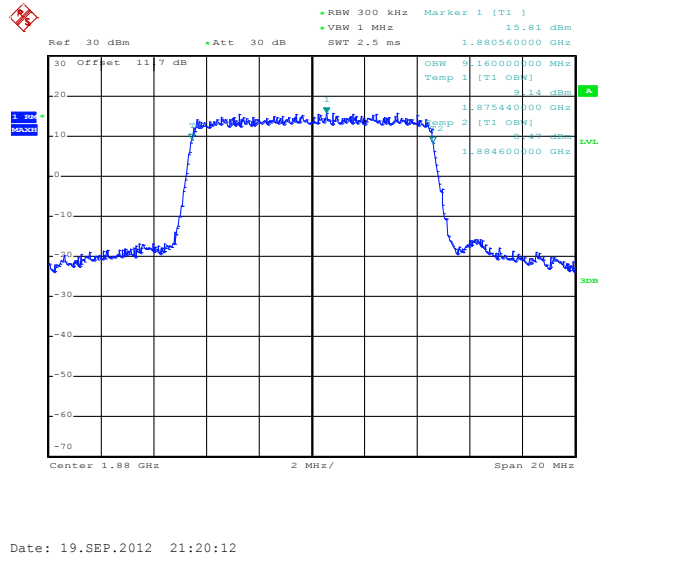
Band 2

Bandwidth 10M



25RB Size, RB Offset 13, QPSK

25RB Size, RB Offset 13, 16QAM



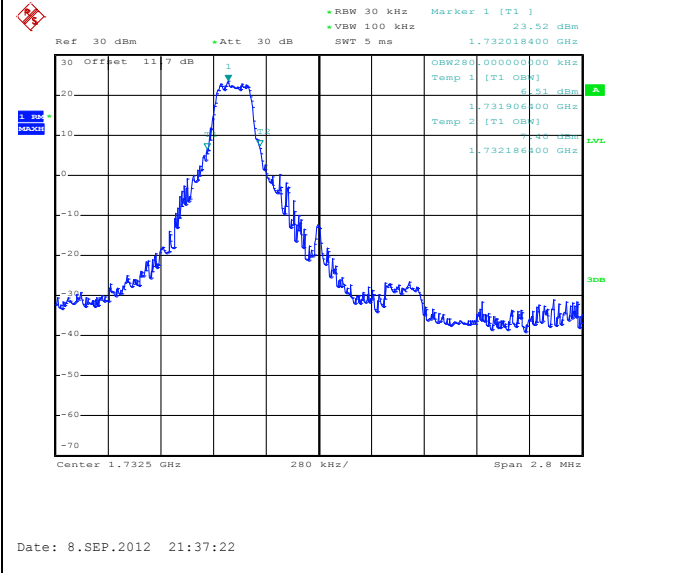
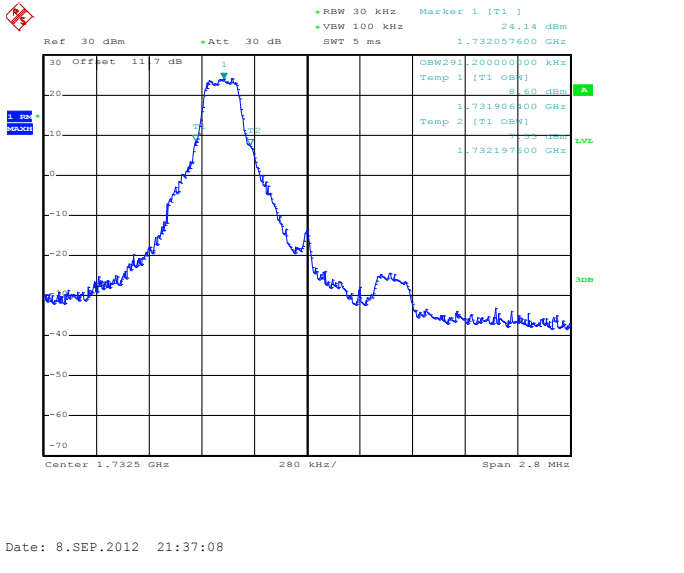
50RB Size, RB Offset 0, QPSK

50RB Size, RB Offset 0, 16QAM



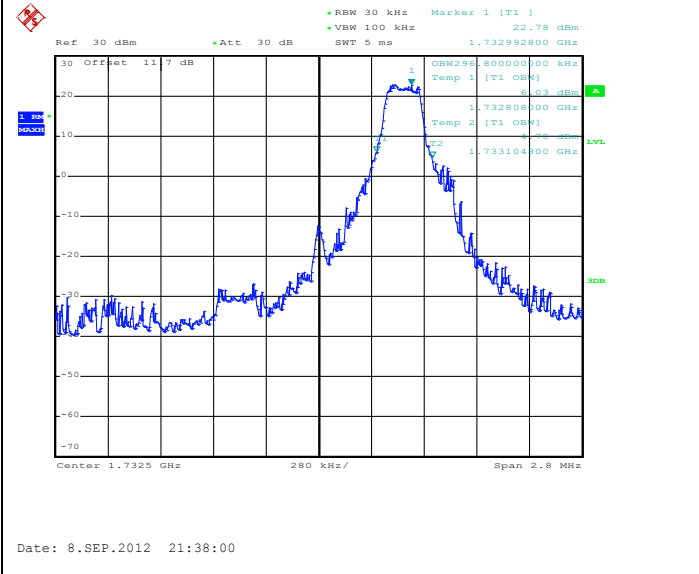
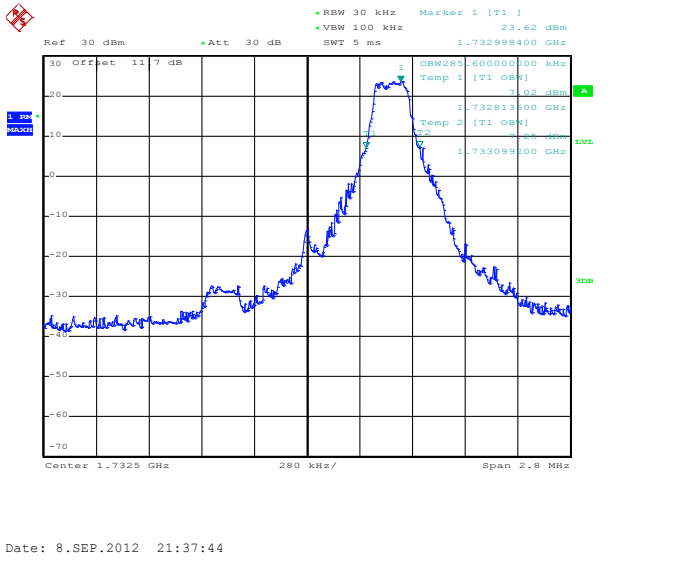
Band 4

Bandwidth 1.4M



1RB Size, RB Offset 0, QPSK

1RB Size, RB Offset 0, 16QAM



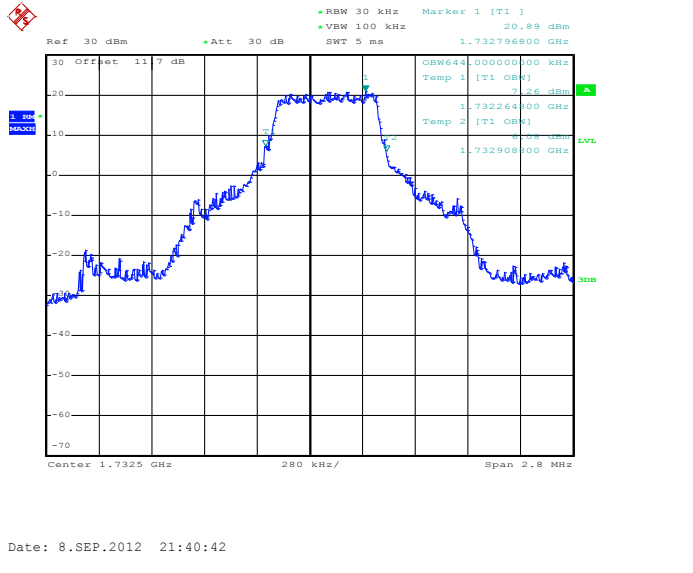
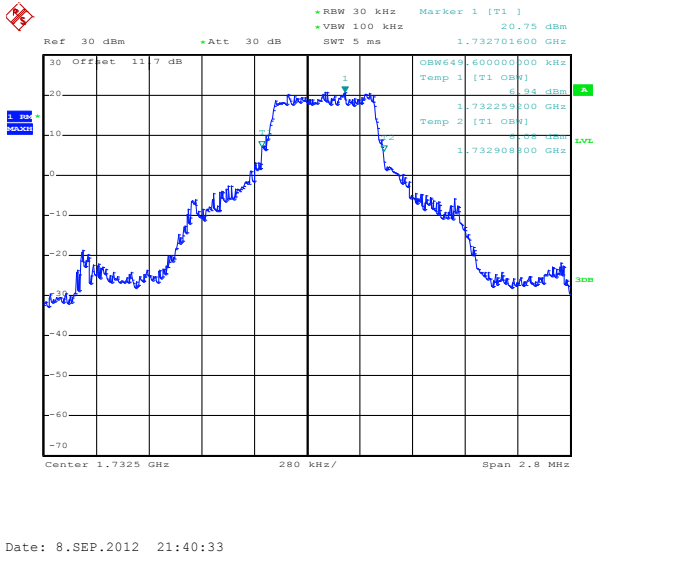
1RB Size, RB Offset 5, QPSK

1RB Size, RB Offset 5, 16QAM

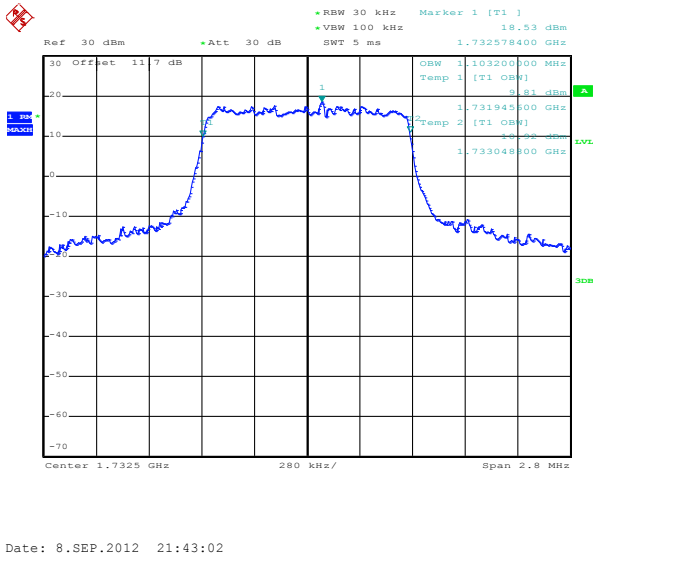


Band 4

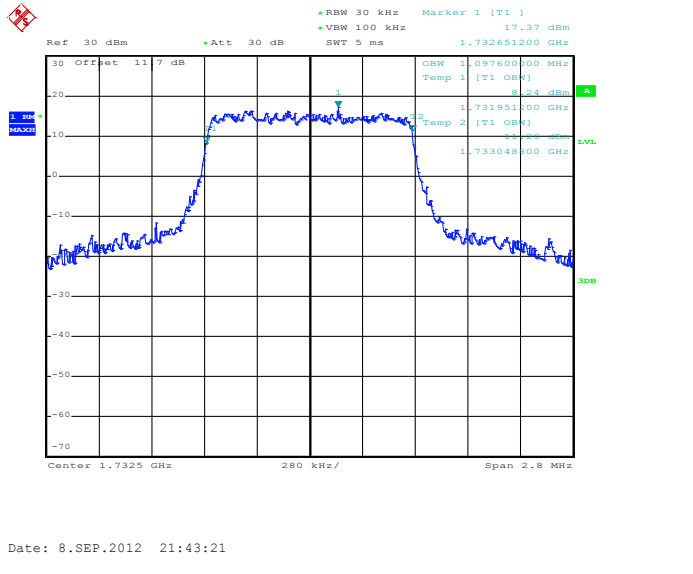
Bandwidth 1.4M



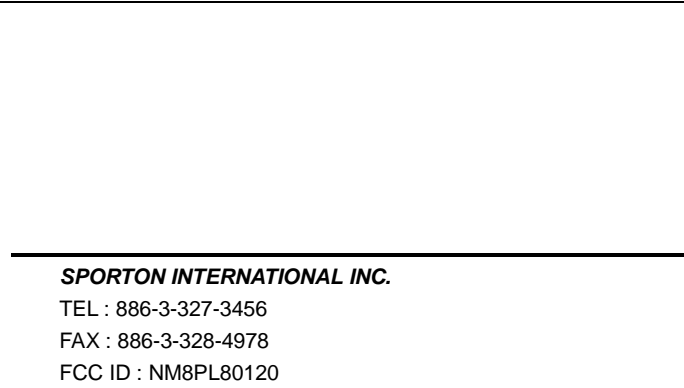
3RB Size, RB Offset 2, QPSK



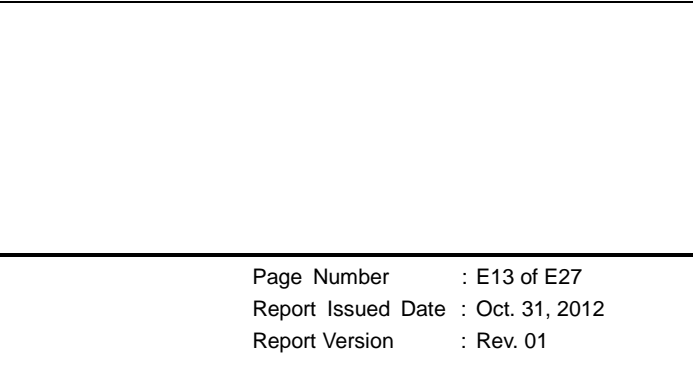
3RB Size, RB Offset 2, 16QAM



6RB Size, RB Offset 0, QPSK



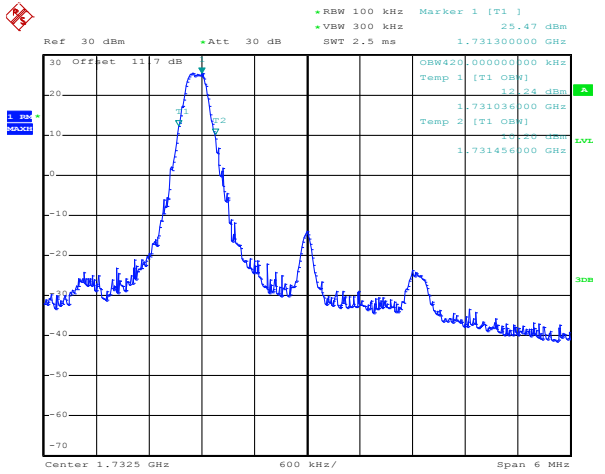
6RB Size, RB Offset 0, 16QAM



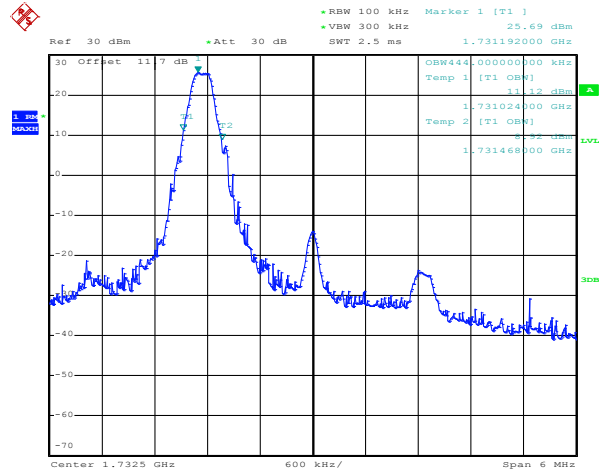


Band 4

Bandwidth 3M

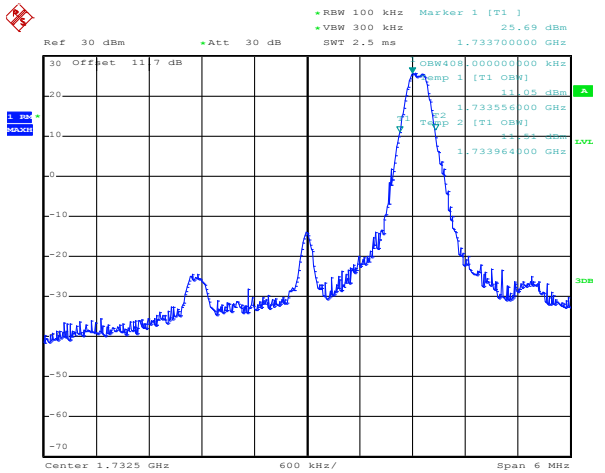


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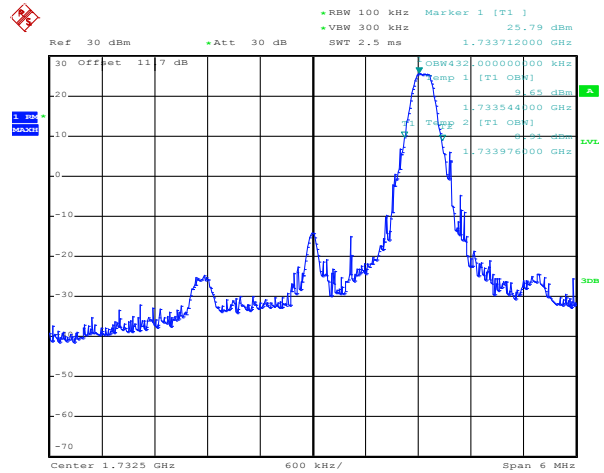
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1RB Size, RB Offset 0, QPSK



Date: 8.SEP.2012 21:32:59

1RB Size, RB Offset 0, 16QAM



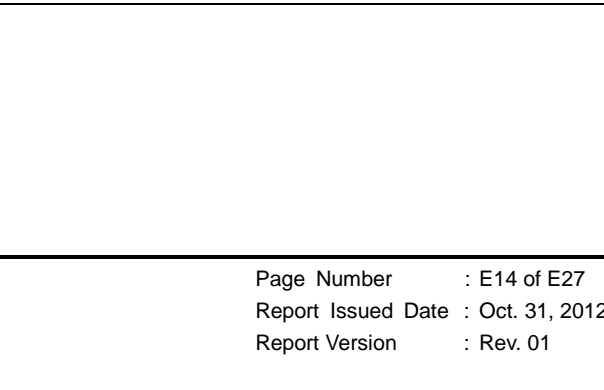
Date: 8.SEP.2012 21:33:20

1RB Size, RB Offset 14, QPSK



Date: 8.SEP.2012 21:32:59

1RB Size, RB Offset 14, 16QAM

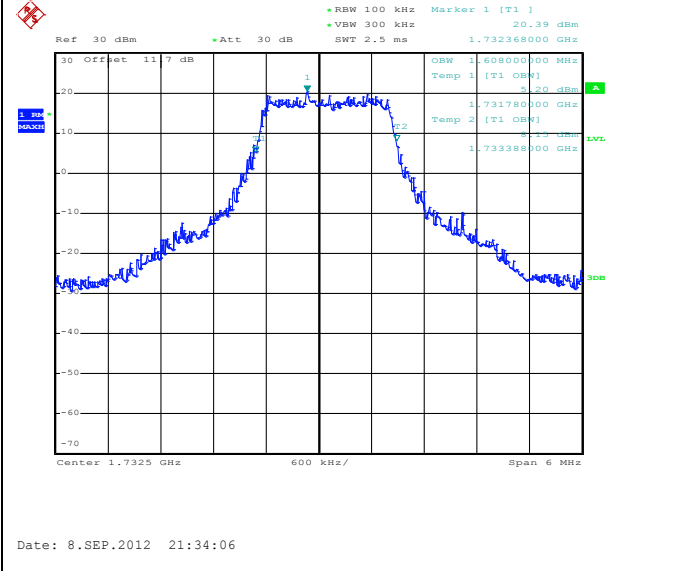
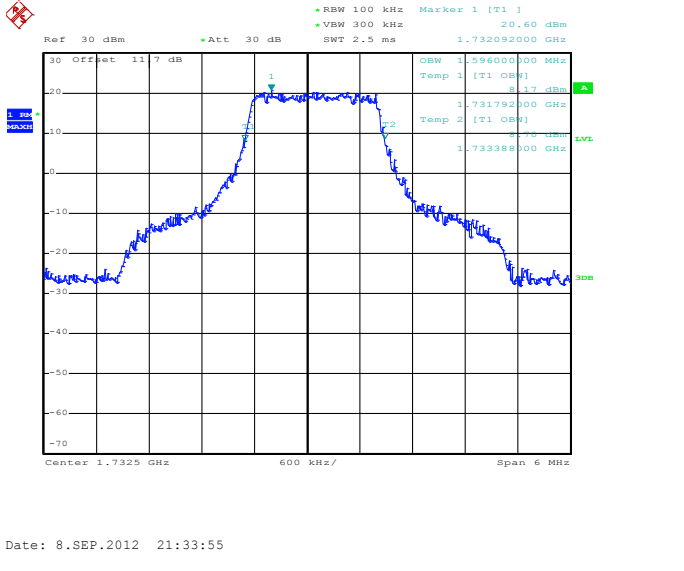


Date: 8.SEP.2012 21:33:20

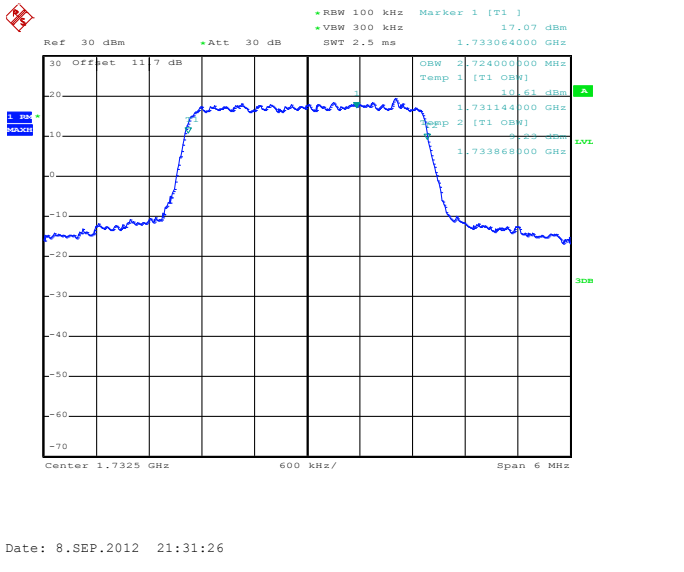


Band 4

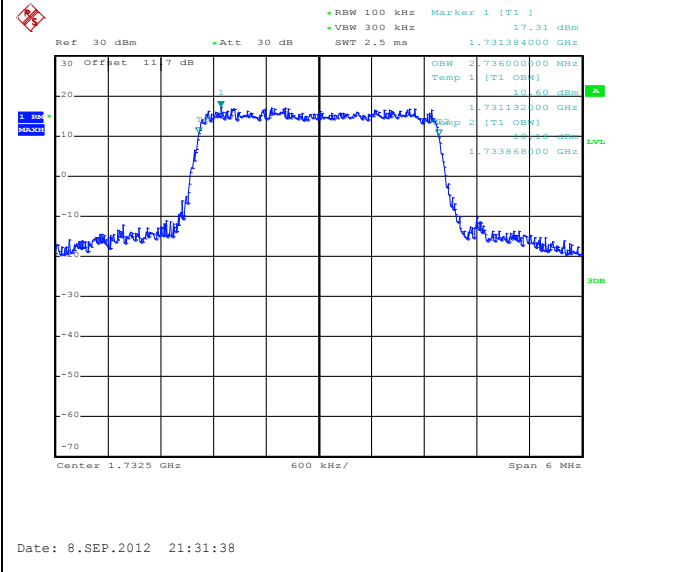
Bandwidth 3M



8RB Size, RB Offset 4, QPSK



8RB Size, RB Offset 4, 16QAM



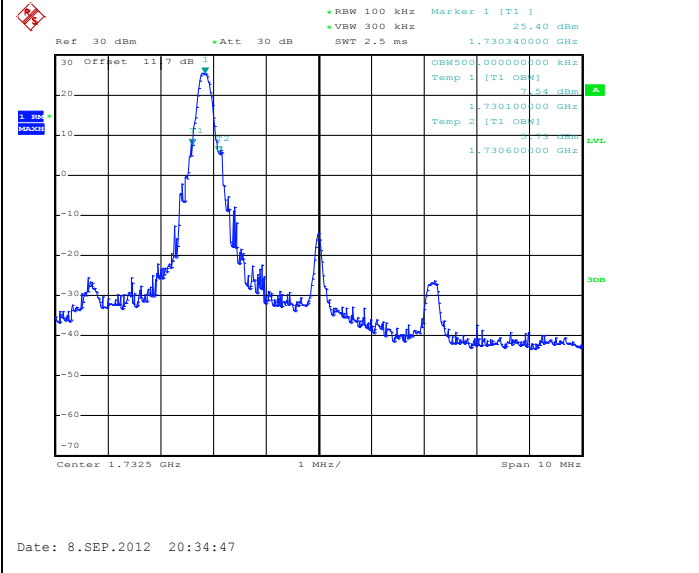
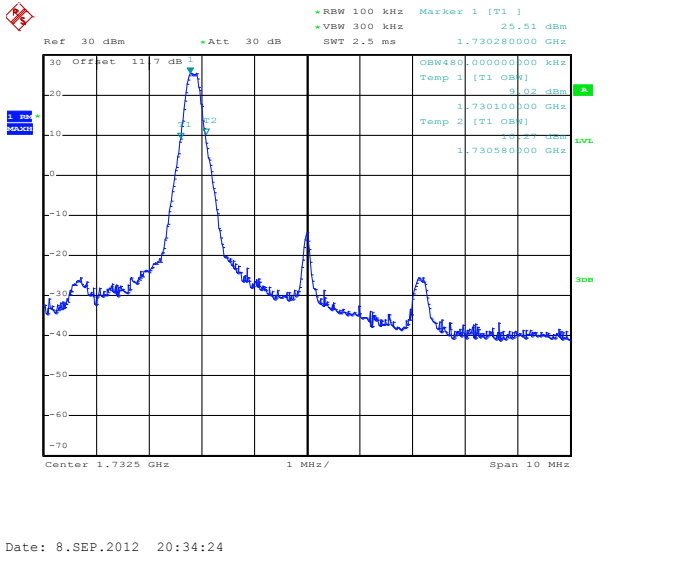
15RB Size, RB Offset 0, QPSK

15RB Size, RB Offset 0, 16QAM



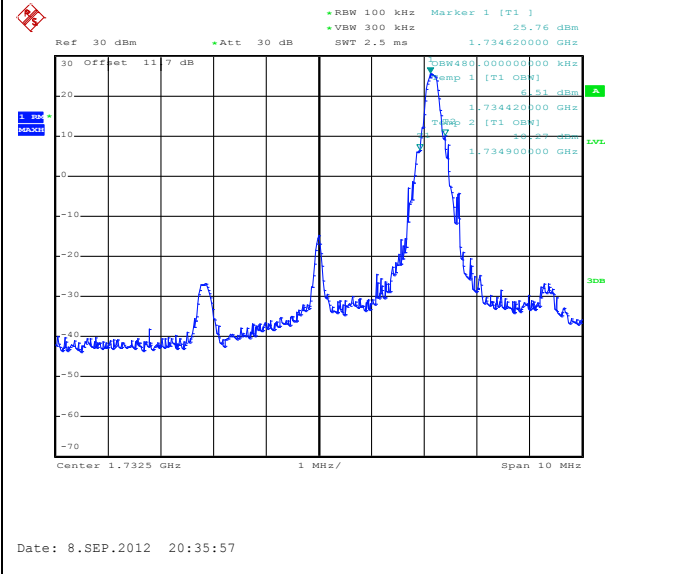
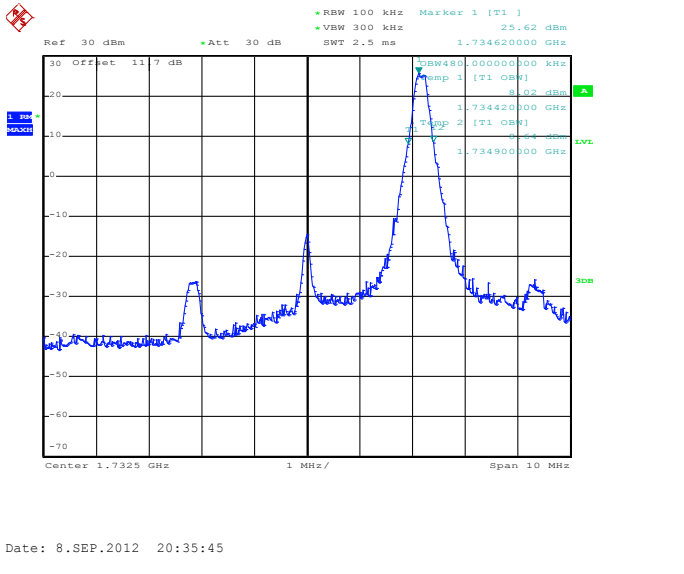
Band 4

Bandwidth 5M



1RB Size, RB Offset 0, QPSK

1RB Size, RB Offset 0, 16QAM



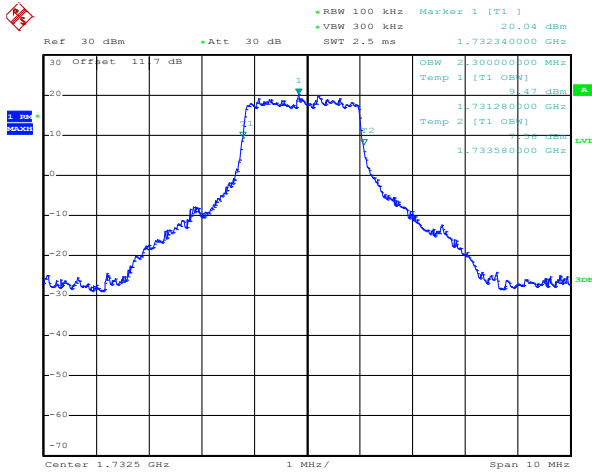
1RB Size, RB Offset 24, QPSK

1RB Size, RB Offset 24, 16QAM

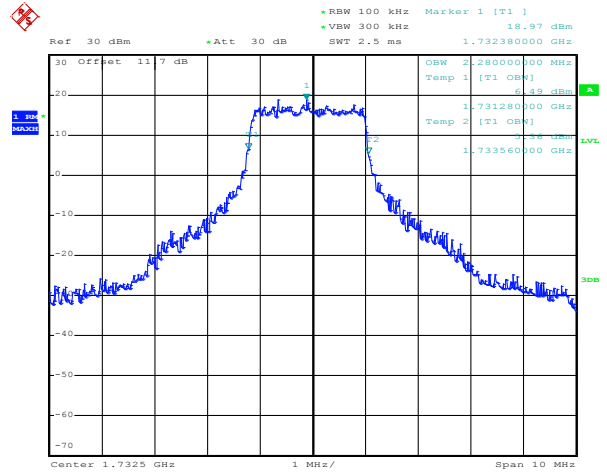


Band 4

Bandwidth 5M

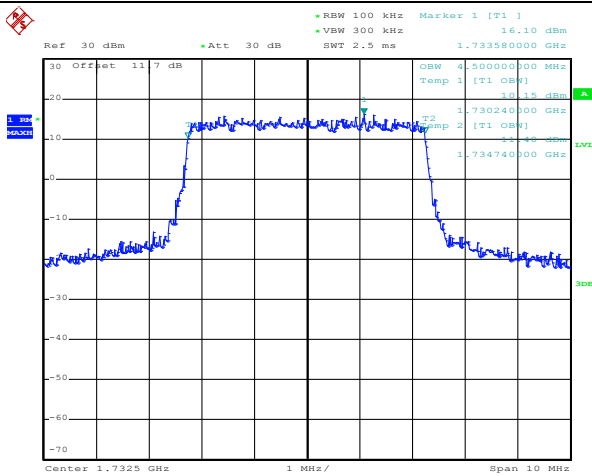


Date: 8.SEP.2012 20:38:28



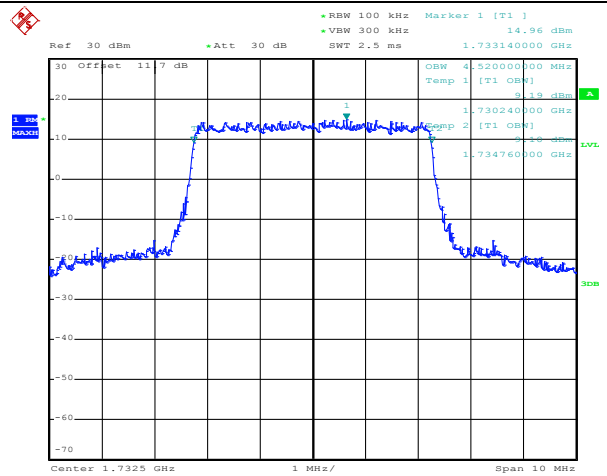
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12RB Size, RB Offset 6, QPSK



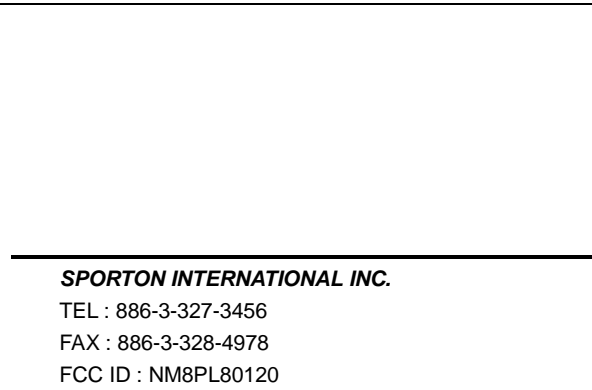
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12RB Size, RB Offset 6, 16QAM



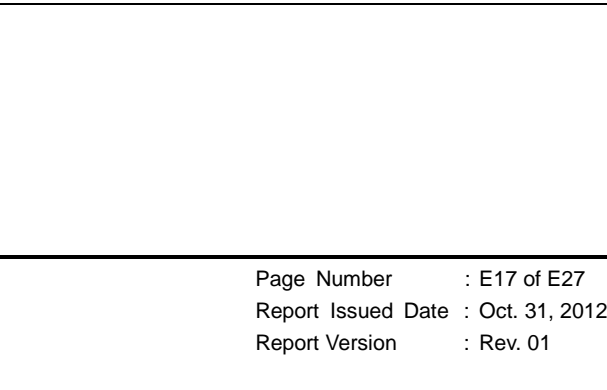
Date: 8.SEP.2012 20:39:29

25RB Size, RB Offset 0, QPSK



Date: 8.SEP.2012 20:39:45

25RB Size, RB Offset 0, 16QAM

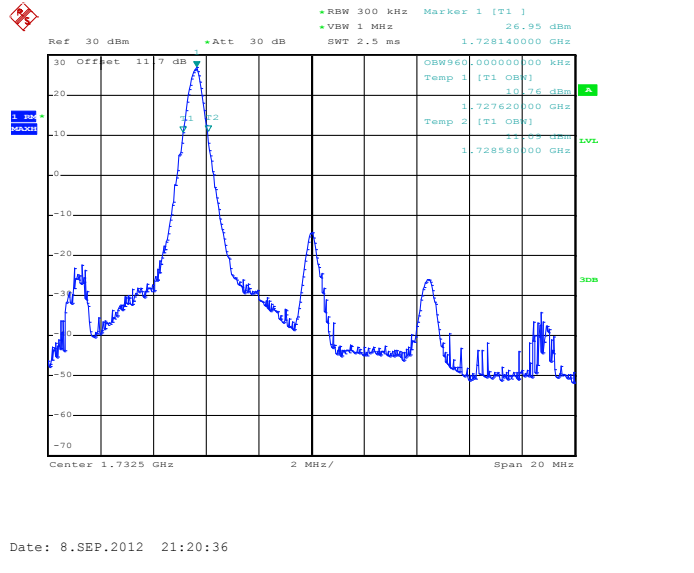
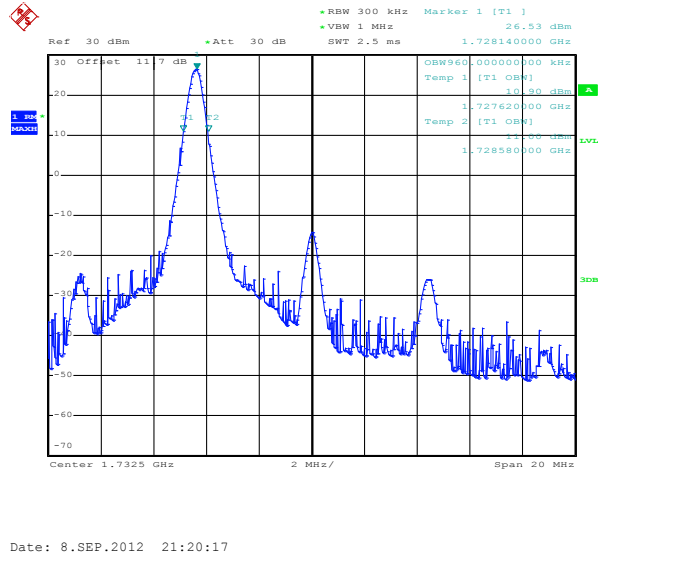


Date: 8.SEP.2012 20:39:29

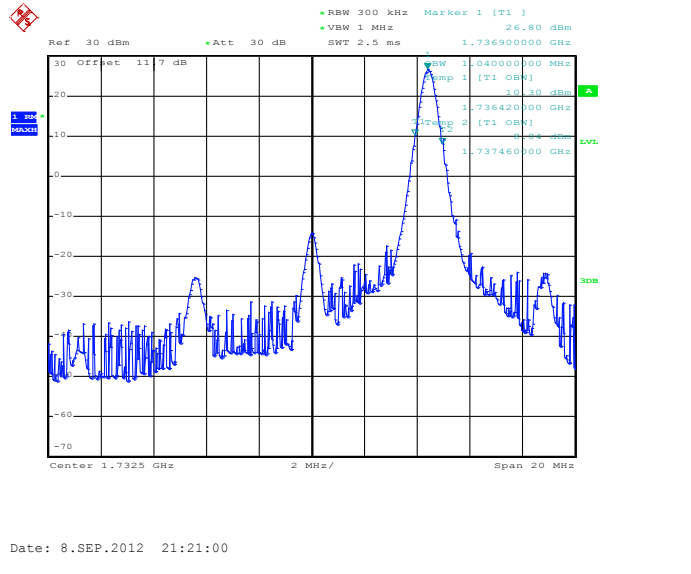


Band 4

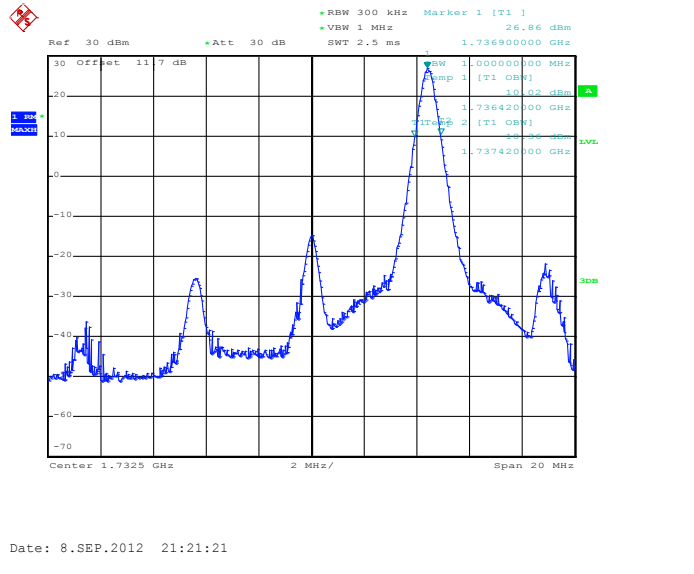
Bandwidth 10M



1RB Size, RB Offset 0, QPSK



1RB Size, RB Offset 0, 16QAM



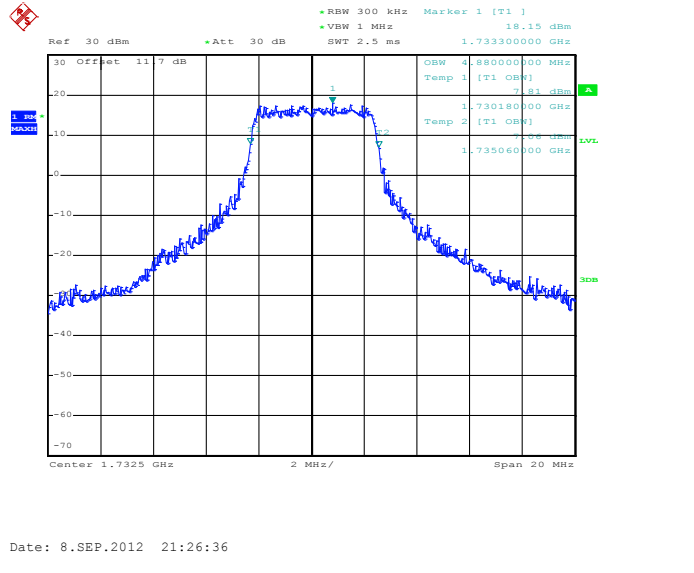
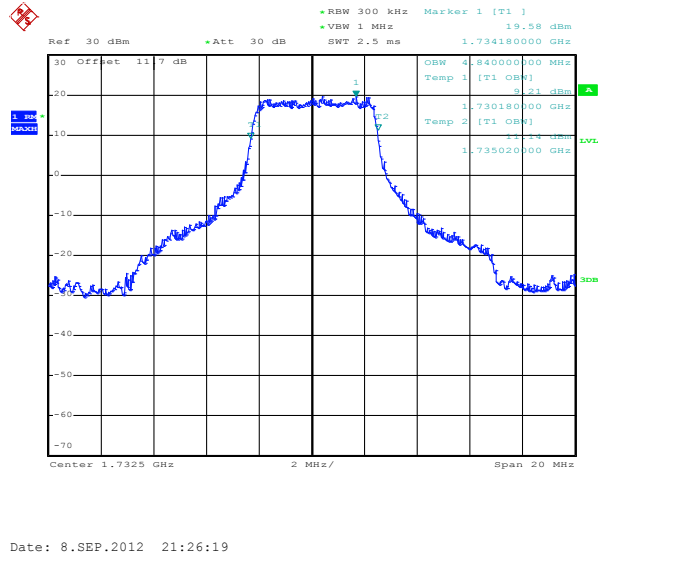
1RB Size, RB Offset 49, QPSK

1RB Size, RB Offset 49, 16QAM



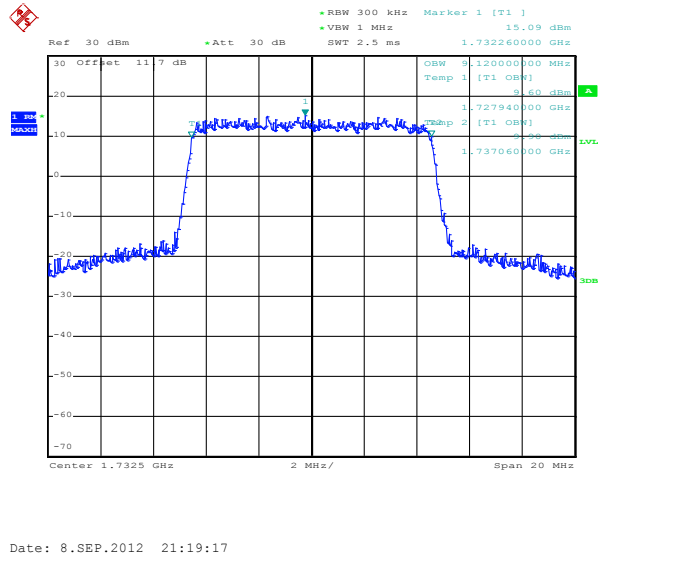
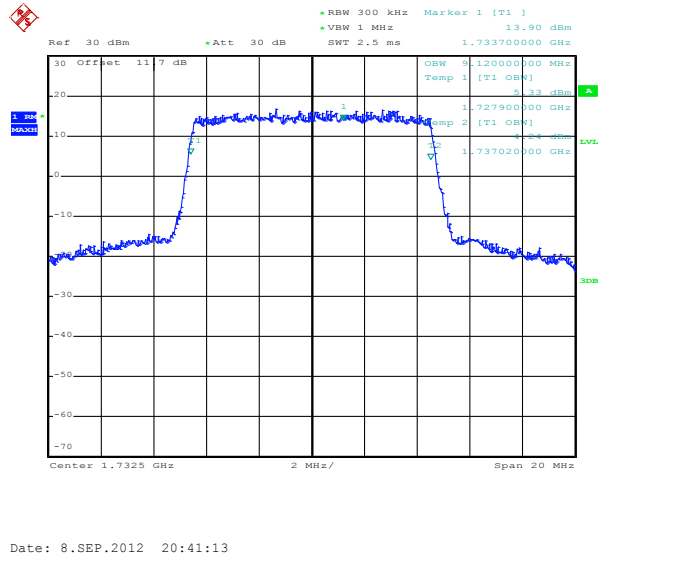
Band 4

Bandwidth 10M



25RB Size, RB Offset 13, QPSK

25RB Size, RB Offset 13, 16QAM



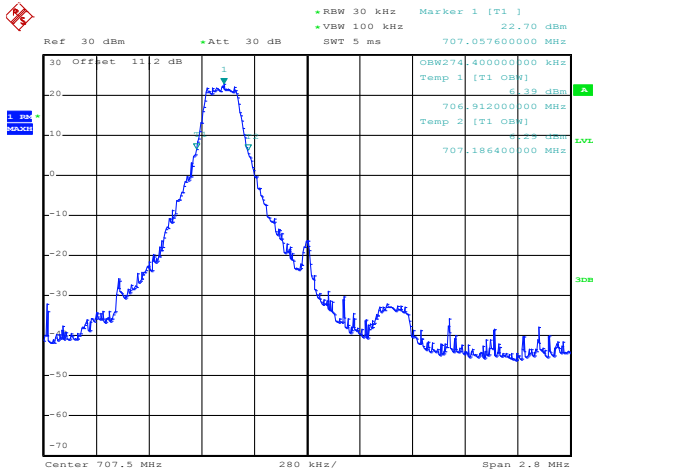
50RB Size, RB Offset 0, QPSK

50RB Size, RB Offset 0, 16QAM

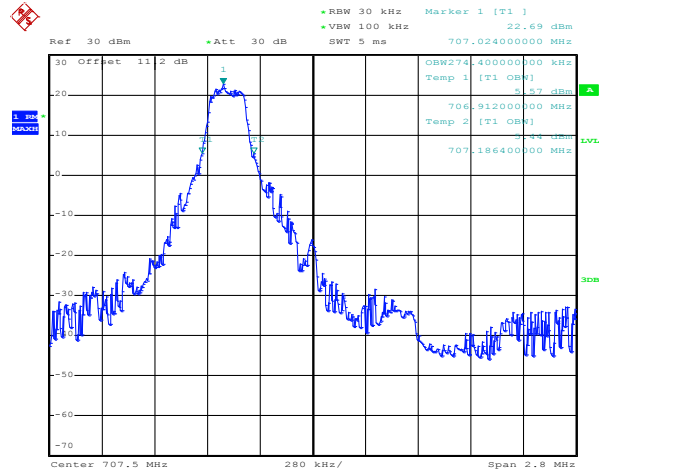


Band 12

Bandwidth 1.4M

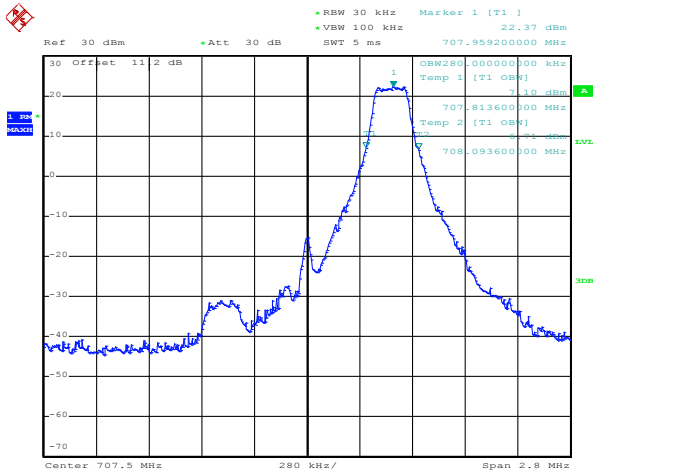


Date: 10.SEP.2012 13:45:14



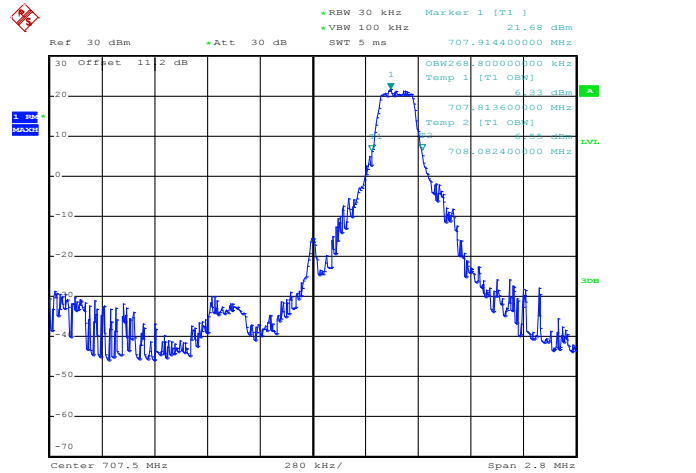
Date: 10.SEP.2012 13:45:28

1RB Size, RB Offset 0, QPSK



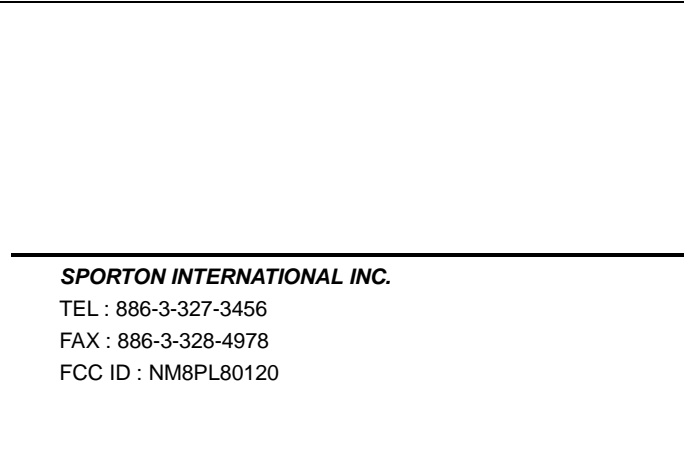
Date: 10.SEP.2012 14:13:23

1RB Size, RB Offset 0, 16QAM



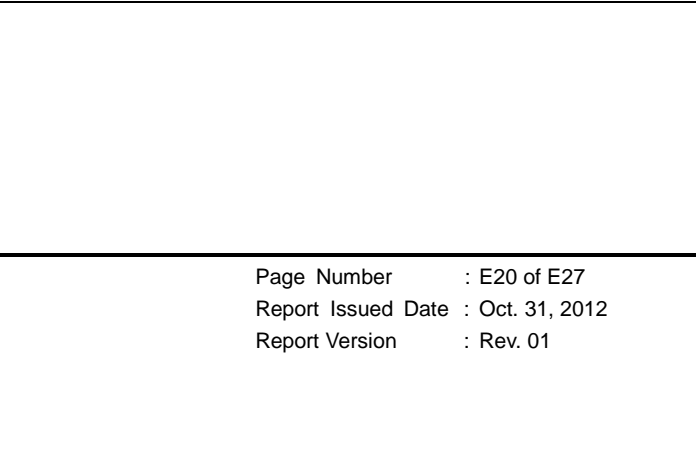
Date: 10.SEP.2012 14:13:37

1RB Size, RB Offset 5, QPSK



Date: 10.SEP.2012 13:45:14

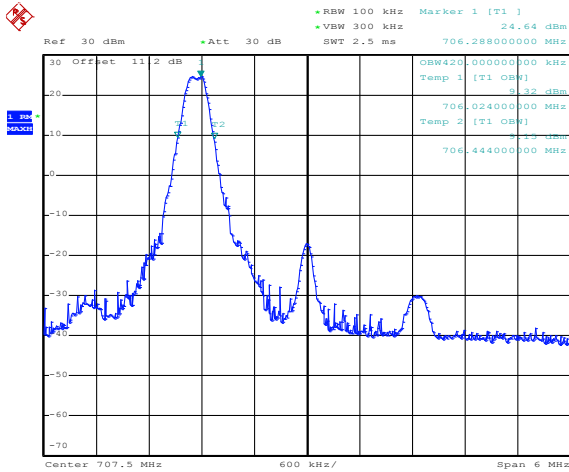
1RB Size, RB Offset 5, 16QAM



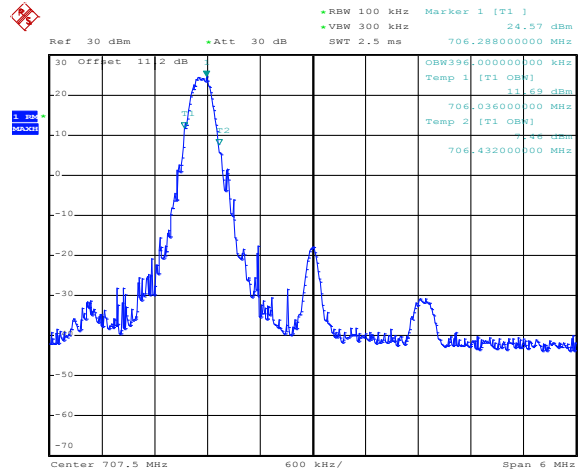
Date: 10.SEP.2012 13:45:28



Band 12
Bandwidth 3M

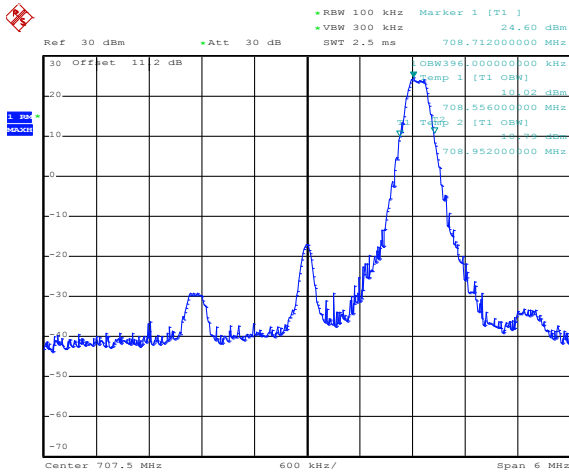


Date: 10.SEP.2012 14:22:15



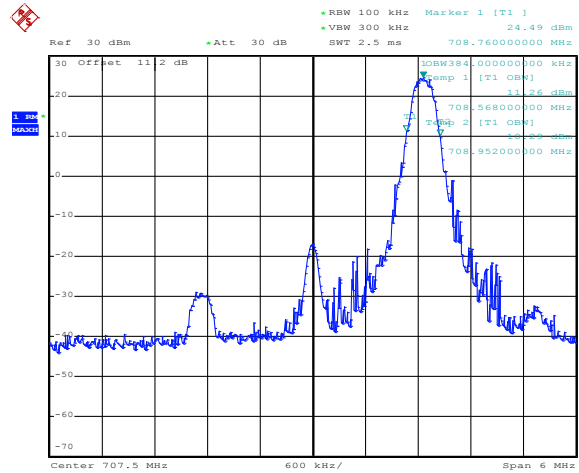
Date: 10.SEP.2012 14:22:26

1RB Size, RB Offset 0, QPSK



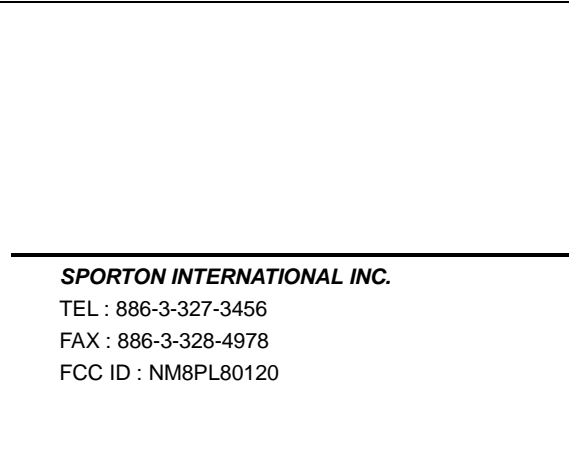
Date: 10.SEP.2012 14:22:45

1RB Size, RB Offset 0, 16QAM

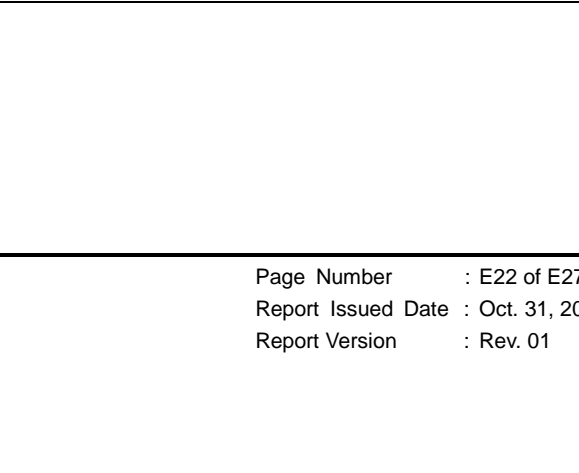


Date: 10.SEP.2012 14:22:59

1RB Size, RB Offset 14, QPSK

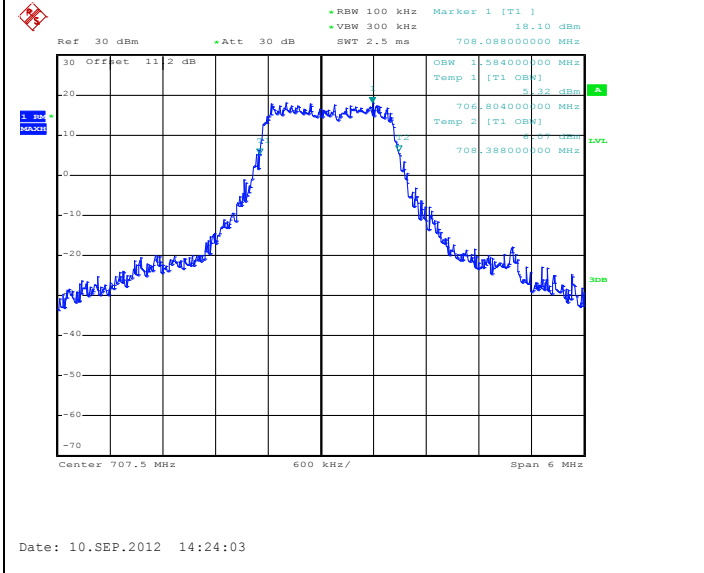
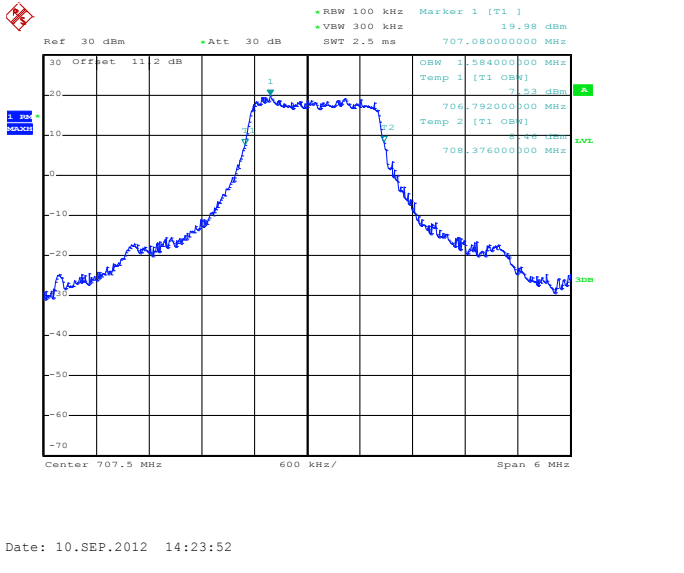


1RB Size, RB Offset 14, 16QAM

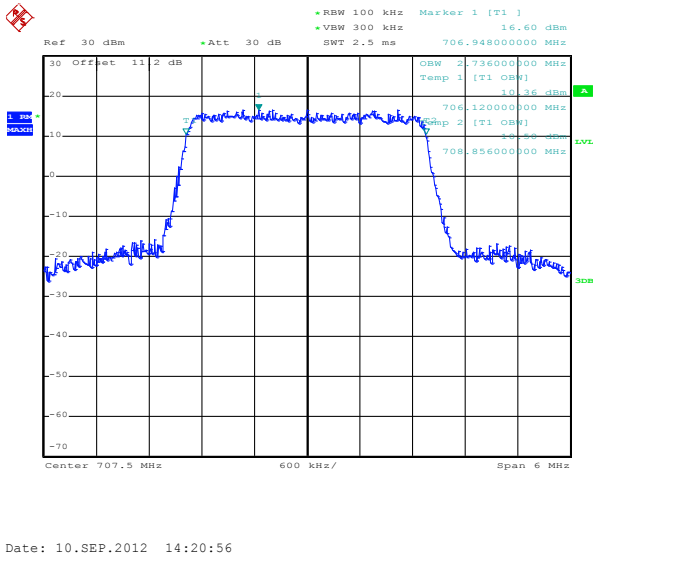




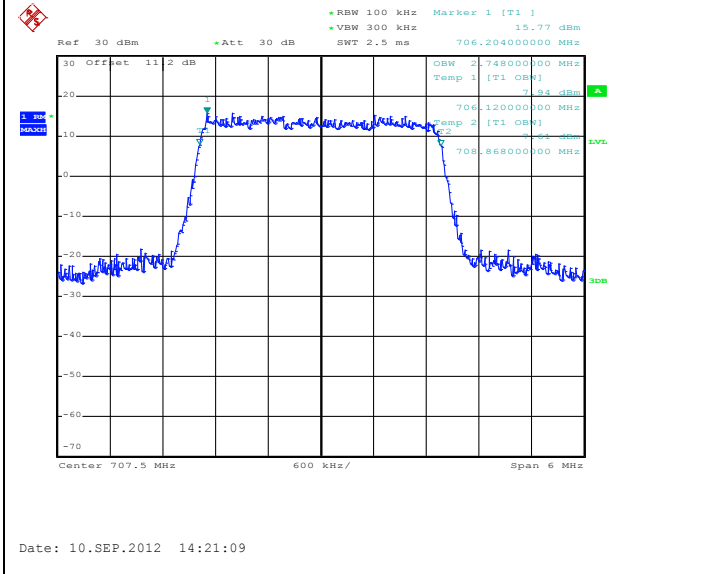
Band 12
Bandwidth 3M



8RB Size, RB Offset 4, QPSK



8RB Size, RB Offset 4, 16QAM

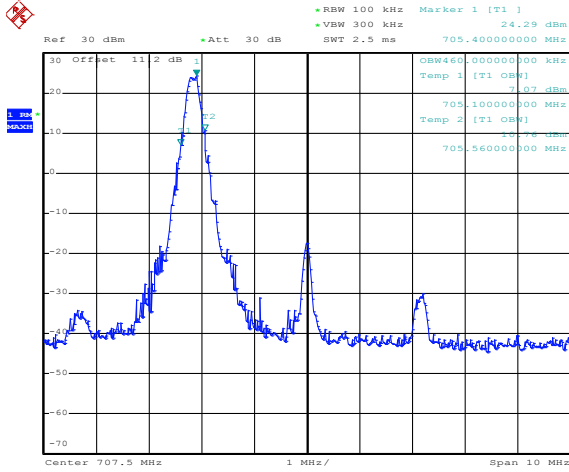


15RB Size, RB Offset 0, QPSK

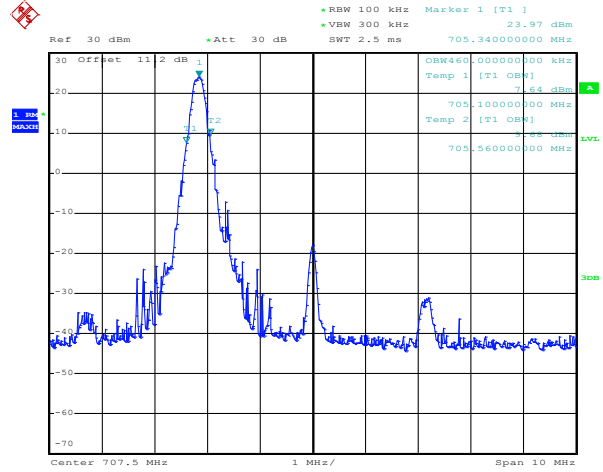
15RB Size, RB Offset 0, 16QAM



Band 12
Bandwidth 5M

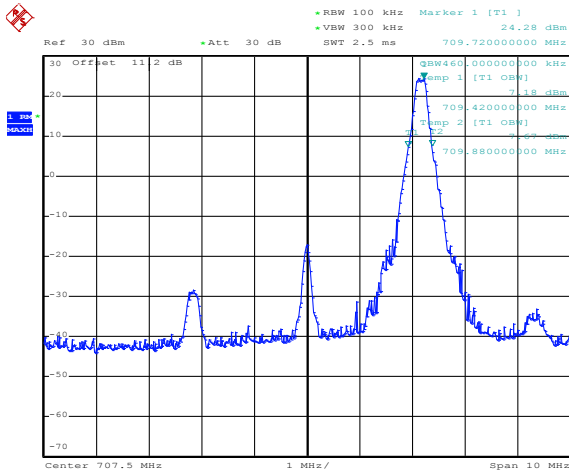


Date: 10.SEP.2012 14:25:54



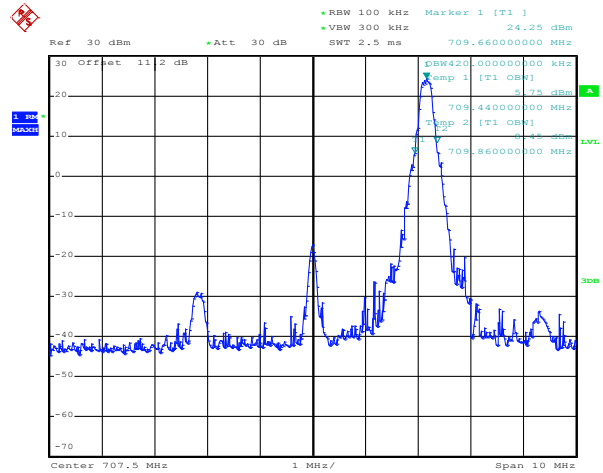
Date: 10.SEP.2012 14:26:09

1RB Size, RB Offset 0, QPSK



Date: 10.SEP.2012 14:27:16

1RB Size, RB Offset 0, 16QAM



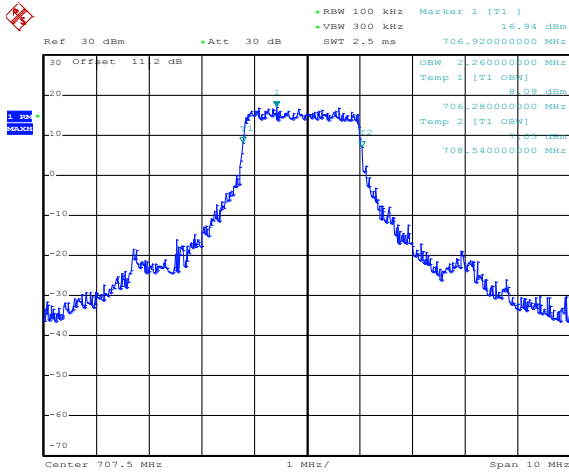
Date: 10.SEP.2012 14:26:46

1RB Size, RB Offset 24, QPSK

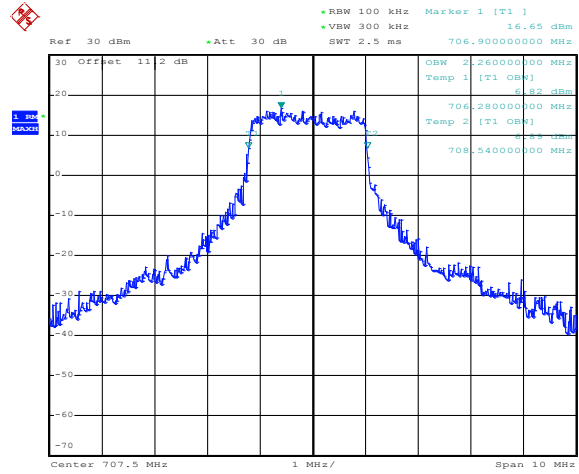
1RB Size, RB Offset 24, 16QAM



Band 12
Bandwidth 5M

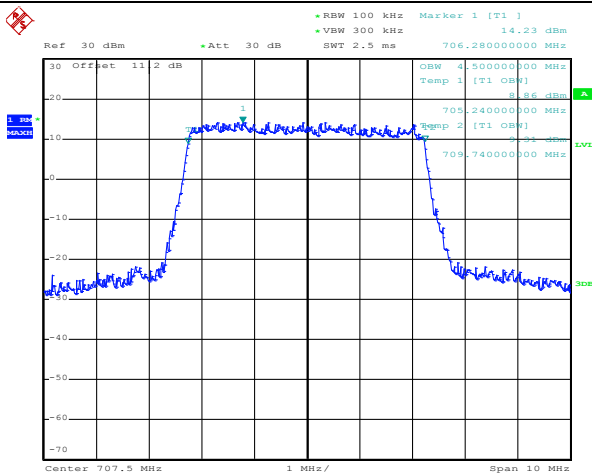


Date: 10.SEP.2012 14:27:54



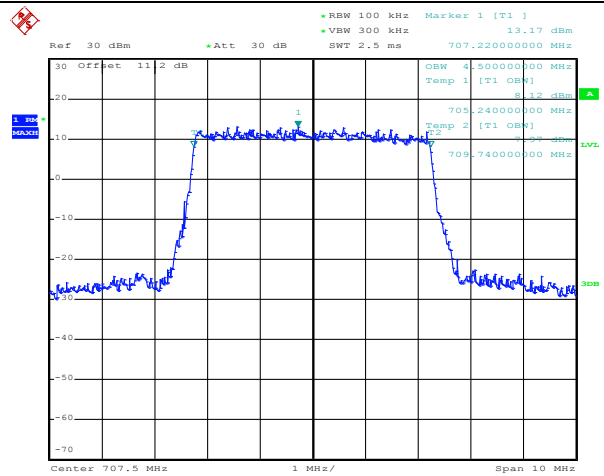
Date: 10.SEP.2012 14:28:11

12RB Size, RB Offset 6, QPSK



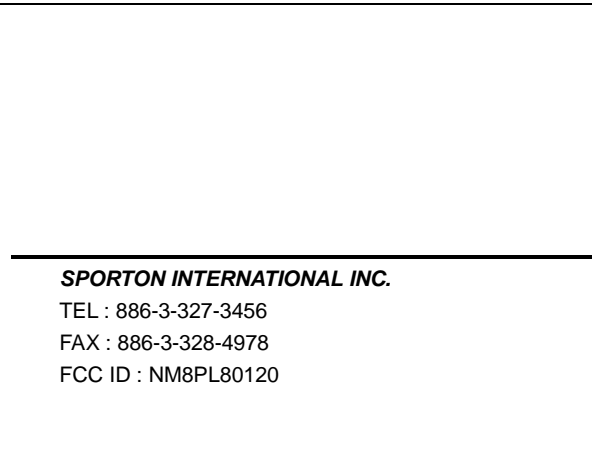
Date: 10.SEP.2012 14:25:15

12RB Size, RB Offset 6, 16QAM

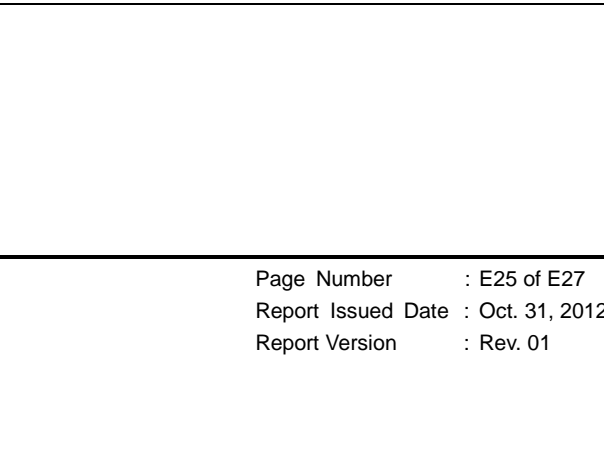


Date: 10.SEP.2012 14:25:35

25RB Size, RB Offset 0, QPSK



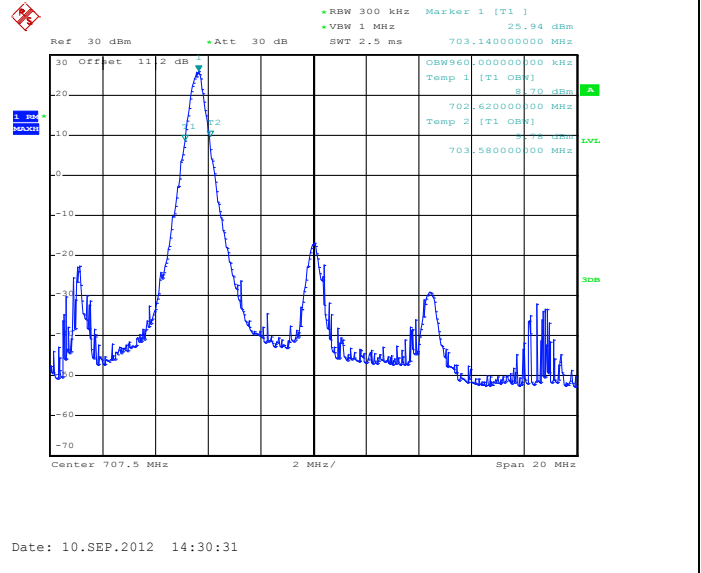
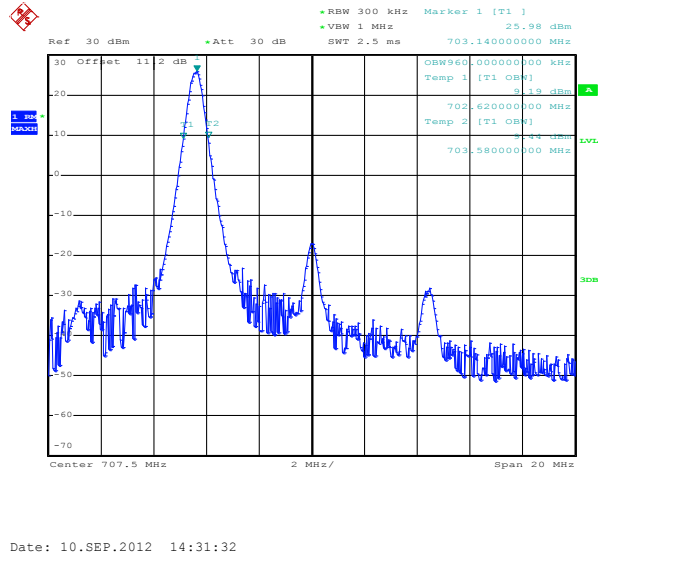
25RB Size, RB Offset 0, 16QAM



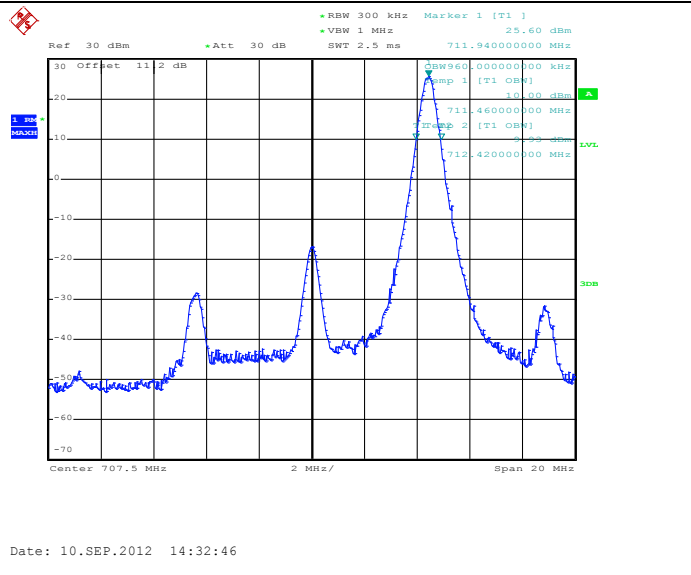


Band 12

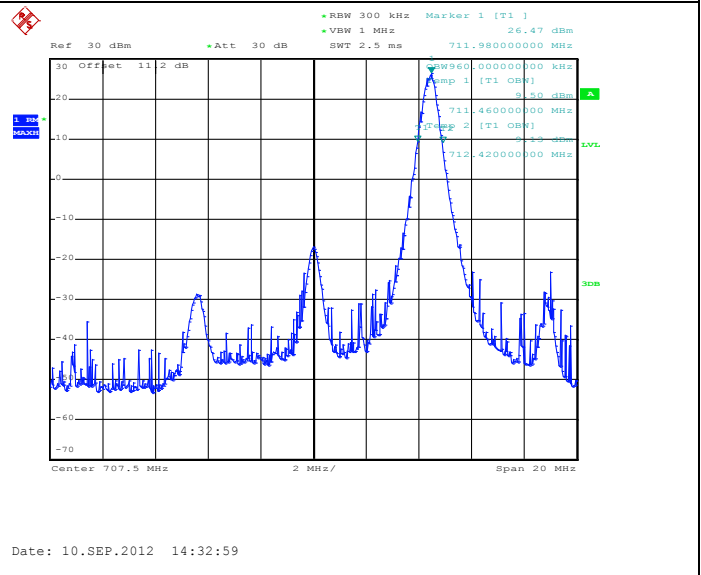
Bandwidth 10M



1RB Size, RB Offset 0, QPSK



1RB Size, RB Offset 0, 16QAM



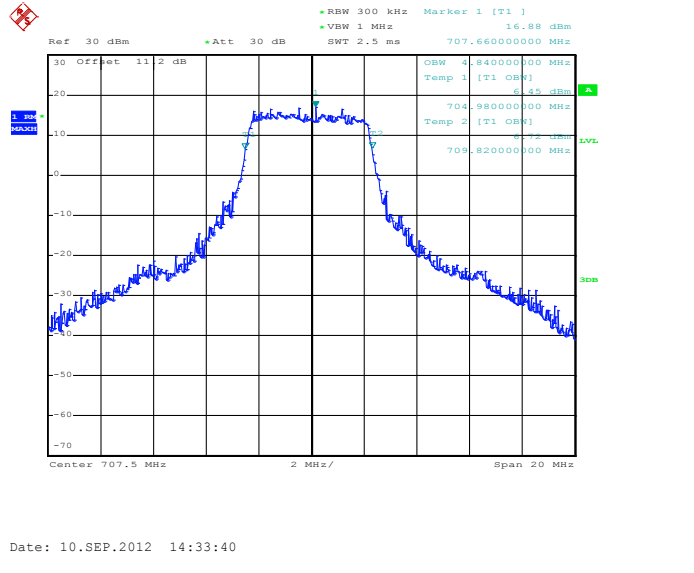
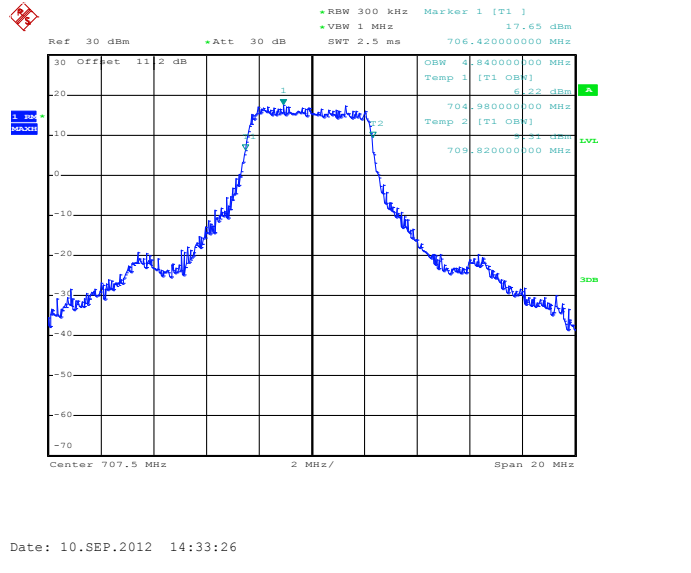
1RB Size, RB Offset 49, QPSK

1RB Size, RB Offset 49, 16QAM



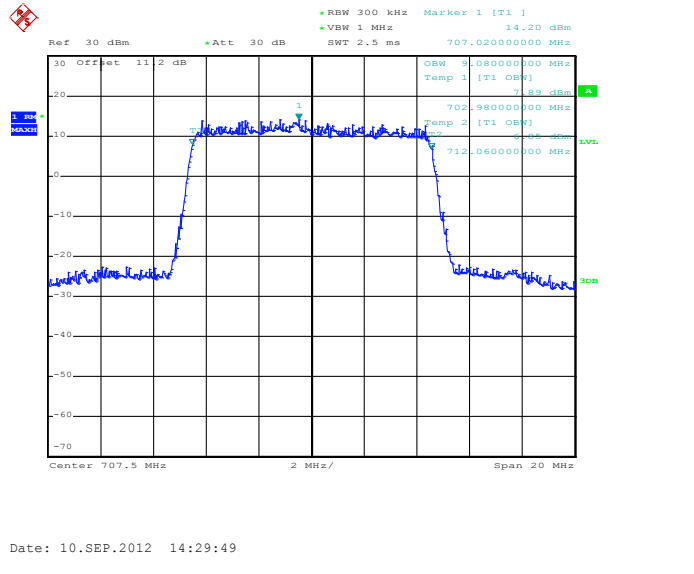
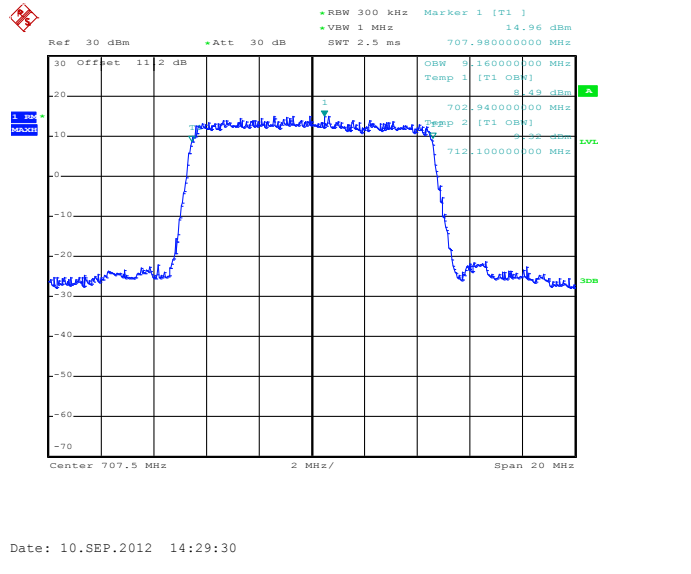
Band 12

Bandwidth 10M



25RB Size, RB Offset 13, QPSK

25RB Size, RB Offset 13, 16QAM



50RB Size, RB Offset 0, QPSK

50RB Size, RB Offset 0, 16QAM