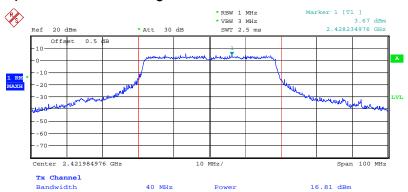


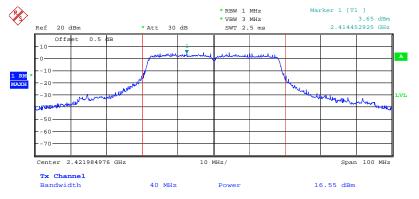


#### Conducted Output Power Plot on Configuration Draft n MCS8 40MHz Ant. 4-2/ 2422 MHz



Date: 21.MAR.2008 18:12:13

### Conducted Output Power Plot on Configuration Draft n MCS8 40MHz Ant. 4-3/2422 MHz



Date: 21.MAR.2008 18:13:14

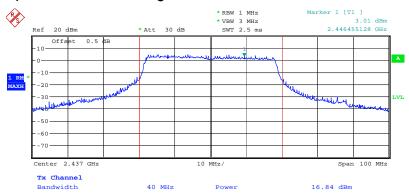
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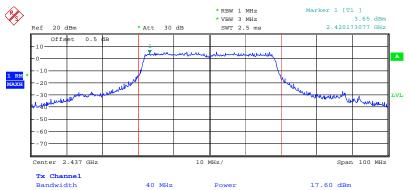


#### Conducted Output Power Plot on Configuration Draft n MCS8 40MHz Ant. 4-1/2437 MHz



Date: 21.MAR.2008 18:22:22

### Conducted Output Power Plot on Configuration Draft n MCS8 40MHz Ant. 4-2/2437 MHz



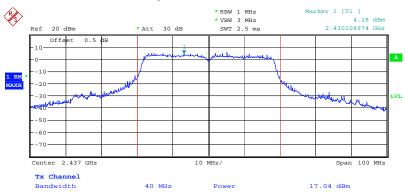
Date: 21.MAR.2008 18:21:10

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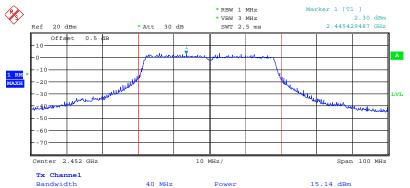


#### Conducted Output Power Plot on Configuration Draft n MCS8 40MHz Ant. 4-3/2437 MHz



Date: 21.MAR.2008 18:19:46

# Conducted Output Power Plot on Configuration Draft n MCS8 40MHz Ant. 4-1/2452 MHz



Date: 21.MAR.2008 18:23:27

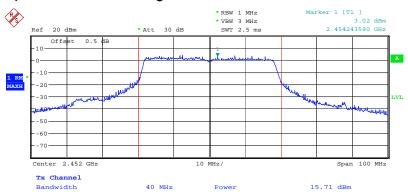
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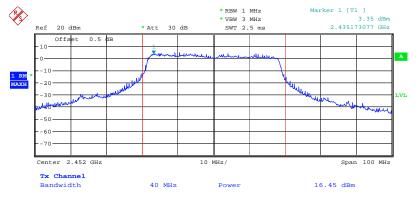


#### Conducted Output Power Plot on Configuration Draft n MCS8 40MHz Ant. 4-2/2452 MHz



Date: 21.MAR.2008 18:24:13

### Conducted Output Power Plot on Configuration Draft n MCS8 40MHz Ant. 4-3/2452 MHz



Date: 21.MAR.2008 18:26:19

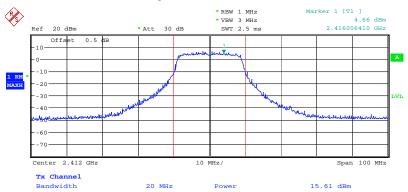
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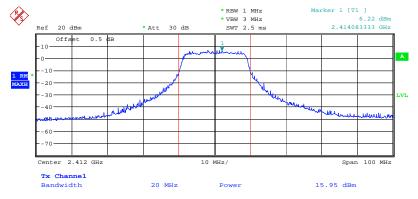


#### Conducted Output Power Plot on Configuration Draft n MCS8 20MHz Ant. 5-1/2412 MHz



Date: 21.MAR.2008 15:24:18

### Conducted Output Power Plot on Configuration Draft n MCS8 20MHz Ant. 5-2/2412 MHz



Date: 21.MAR.2008 15:23:24

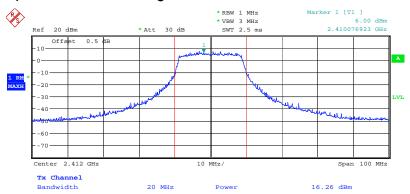
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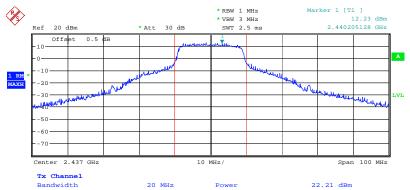


#### Conducted Output Power Plot on Configuration Draft n MCS8 20MHz Ant. 5-3/2412 MHz



Date: 21.MAR.2008 15:22:45

### Conducted Output Power Plot on Configuration Draft n MCS8 20MHz Ant. 5-1/2437 MHz



Date: 21.MAR.2008 15:19:21

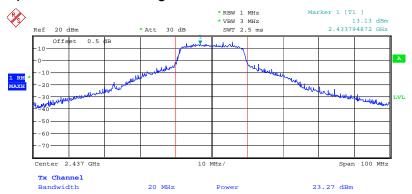
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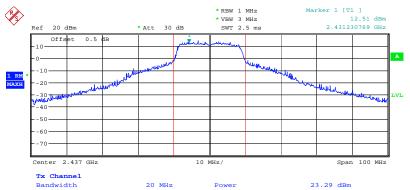


#### Conducted Output Power Plot on Configuration Draft n MCS8 20MHz Ant. 5-2/2437 MHz



Date: 21.MAR.2008 15:20:12

### Conducted Output Power Plot on Configuration Draft n MCS8 20MHz Ant. 5-3/2437 MHz



Date: 21.MAR.2008 15:20:54

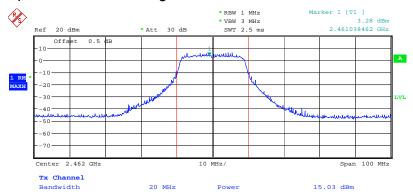
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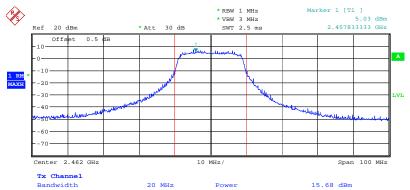


#### Conducted Output Power Plot on Configuration Draft n MCS8 20MHz Ant. 5-1/2462 MHz



Date: 21.MAR.2008 15:18:07

### Conducted Output Power Plot on Configuration Draft n MCS8 20MHz Ant. 5-2/2462 MHz



Date: 21.MAR.2008 15:17:24

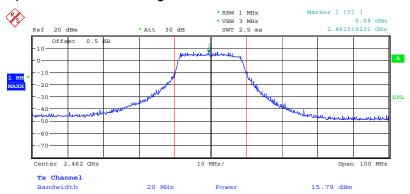
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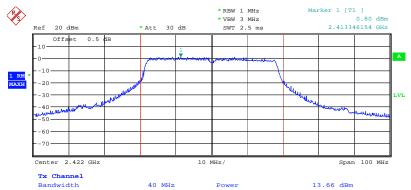


#### Conducted Output Power Plot on Configuration Draft n MCS8 20MHz Ant. 5-3/2462 MHz



Date: 21.MAR.2008 15:16:27

### Conducted Output Power Plot on Configuration Draft n MCS8 40MHz Ant. 5-1/2422 MHz



Date: 21.MAR.2008 15:26:23

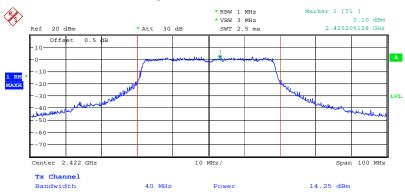
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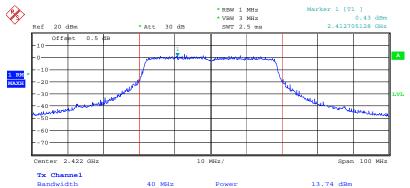


#### Conducted Output Power Plot on Configuration Draft n MCS8 40MHz Ant. 5-2/2422 MHz



Date: 21.MAR.2008 15:29:41

# Conducted Output Power Plot on Configuration Draft n MCS8 40MHz Ant. 5-3/2422 MHz



Date: 21.MAR.2008 15:30:49

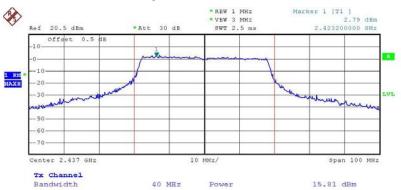
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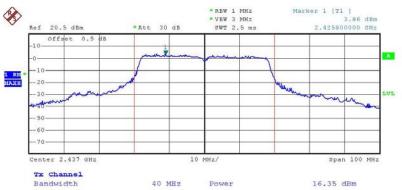


#### Conducted Output Power Plot on Configuration Draft n MCS8 40MHz Ant. 5-1/2437 MHz



Date: 17.MAR.2008 14:00:28

### Conducted Output Power Plot on Configuration Draft n MCS8 40MHz Ant. 5-2/2437 MHz



Date: 17.MAR.2008 14:02:08

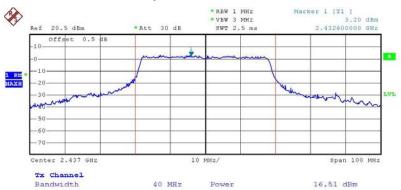
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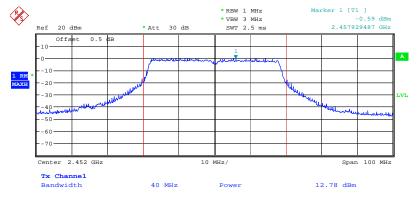


#### Conducted Output Power Plot on Configuration Draft n MCS8 40MHz Ant. 5-3/2437 MHz



Date: 17.MAR.2008 14:03:48

### Conducted Output Power Plot on Configuration Draft n MCS8 40MHz Ant. 5-1/2452 MHz



Date: 21.MAR.2008 15:36:35

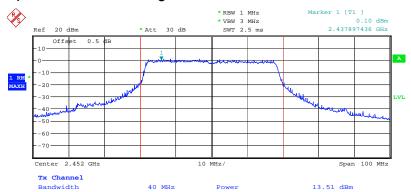
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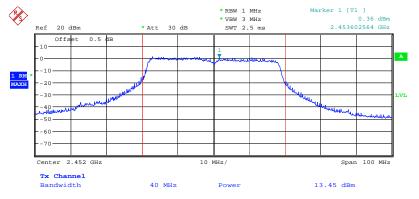


#### Conducted Output Power Plot on Configuration Draft n MCS8 40MHz Ant. 5-2/2452 MHz



Date: 21.MAR.2008 15:33:35

### Conducted Output Power Plot on Configuration Draft n MCS8 40MHz Ant. 5-3/2452 MHz



Date: 21.MAR.2008 15:32:23

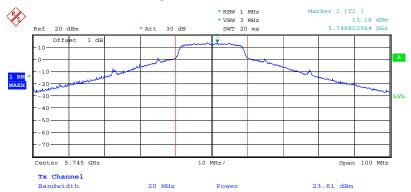
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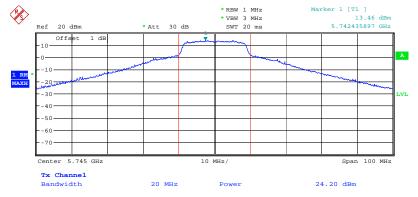


#### Conducted Output Power Plot on Configuration 11a Draft n MCS8 20MHz Ant. 5-1/5745 MHz



Date: 20.MAR.2008 21:07:12

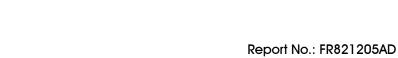
# Conducted Output Power Plot on Configuration 11a Draft n MCS8 20MHz Ant. 5-2/5745 MHz



Date: 20.MAR.2008 21:08:40

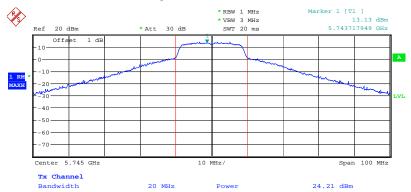
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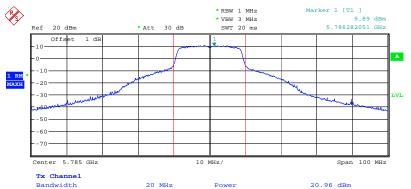


#### Conducted Output Power Plot on Configuration 11a Draft n MCS8 20MHz Ant. 5-3/5745 MHz



Date: 20.MAR.2008 21:07:56

# Conducted Output Power Plot on Configuration 11a Draft n MCS8 20MHz Ant. 5-1/5785MHz



Date: 21.MAR.2008 15:38:51

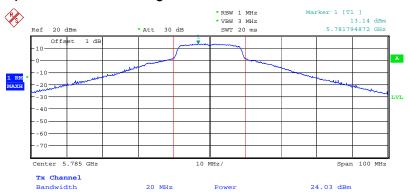
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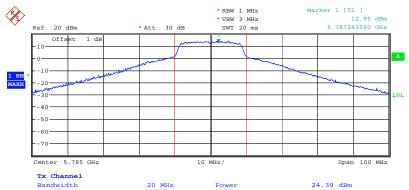


#### Conducted Output Power Plot on Configuration 11a Draft n MCS8 20MHz Ant. 5-2/ 5785MHz



Date: 21.MAR.2008 15:39:33

### Conducted Output Power Plot on Configuration 11a Draft n MCS8 20MHz Ant. 5-3/ 5785MHz



Date: 21.MAR.2008 15:40:24

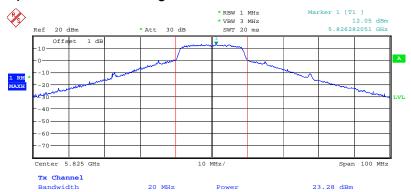
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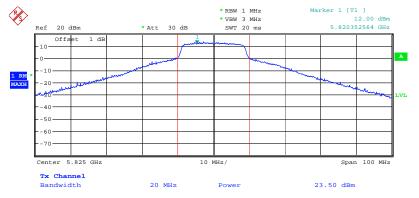


#### Conducted Output Power Plot on Configuration 11a Draft n MCS8 20MHz Ant. 5-1/5825 MHz



Date: 21.MAR.2008 15:42:50

# Conducted Output Power Plot on Configuration 11a Draft n MCS8 20MHz Ant. 5-2/ 5825 MHz



Date: 21.MAR.2008 15:42:08

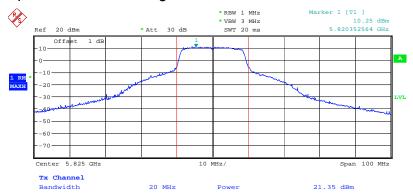
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#### Conducted Output Power Plot on Configuration 11a Draft n MCS8 20MHz Ant. 5-3/5825 MHz



Date: 21.MAR.2008 15:41:35

### Conducted Output Power Plot on Configuration 11a Draft n MCS8 40MHz Ant. 5-1/5755 MHz



Date: 20.MAR.2008 21:04:54

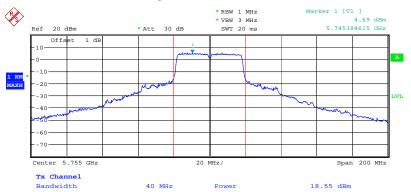
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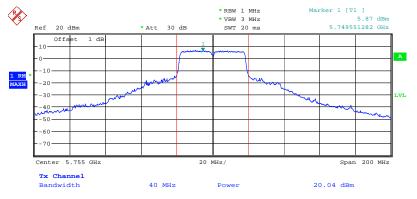


#### Conducted Output Power Plot on Configuration 11a Draft n MCS8 40MHz Ant. 5-2/5755 MHz



Date: 20.MAR.2008 21:03:13

### Conducted Output Power Plot on Configuration 11a Draft n MCS8 40MHz Ant. 5-3/5755 MHz



Date: 20.MAR.2008 21:04:12

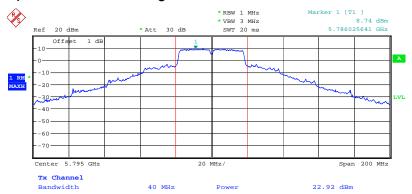
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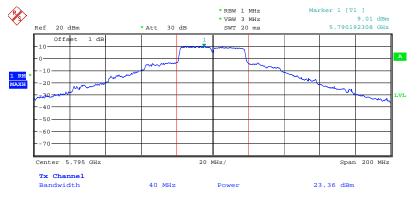
Report No.: FR821205AD SPORTON LAB.

#### Conducted Output Power Plot on Configuration 11a Draft n MCS8 40MHz Ant. 5-1/5795 MHz



Date: 20.MAR.2008 21:14:25

# Conducted Output Power Plot on Configuration 11a Draft n MCS8 40MHz Ant. 5-2/5755 MHz

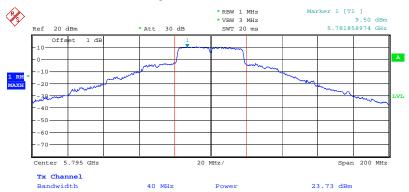


Date: 20.MAR.2008 21:15:01

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# Conducted Output Power Plot on Configuration 11a Draft n MCS8 40MHz Ant. 5-3/ 5795 MHz

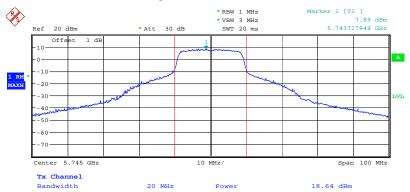


Date: 20.MAR.2008 21:15:42



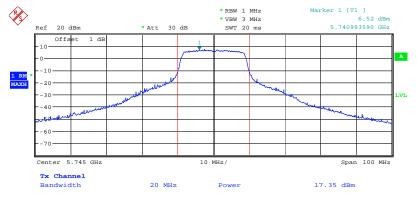


#### Conducted Output Power Plot on Configuration 11a Draft n MCS8 20MHz Ant. 6-1/5745 MHz



Date: 25.MAR.2008 12:54:42

### Conducted Output Power Plot on Configuration 11a Draft n MCS8 20MHz Ant. 6-2/5745 MHz



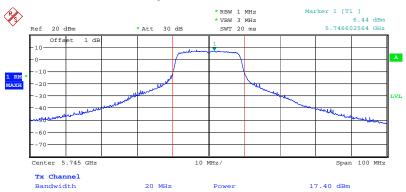
Date: 25.MAR.2008 12:55:37

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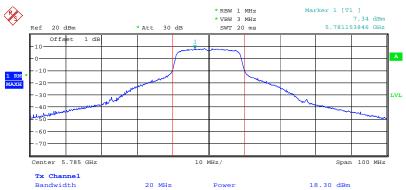


#### Conducted Output Power Plot on Configuration 11a Draft n MCS8 20MHz Ant. 6-3/5745 MHz



Date: 25.MAR.2008 12:56:54

### Conducted Output Power Plot on Configuration 11a Draft n MCS8 20MHz Ant. 6-1/5785MHz



Date: 25.MAR.2008 12:59:09

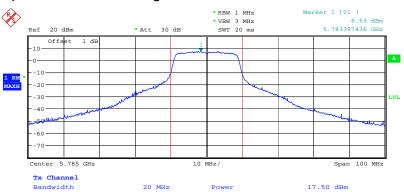
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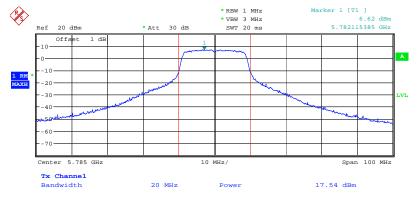


#### Conducted Output Power Plot on Configuration 11a Draft n MCS8 20MHz Ant. 6-2/5785MHz



Date: 25.MAR.2008 12:59:53

### Conducted Output Power Plot on Configuration 11a Draft n MCS8 20MHz Ant. 6-3/5785MHz



Date: 25.MAR.2008 13:00:28

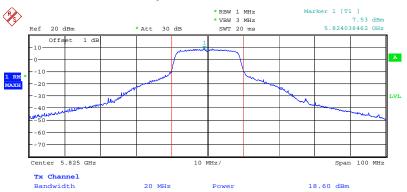
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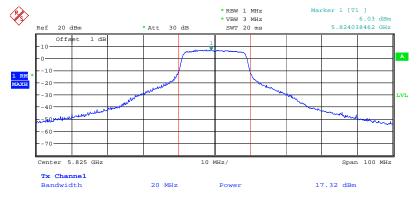


#### Conducted Output Power Plot on Configuration 11a Draft n MCS8 20MHz Ant. 6-1/5825 MHz



Date: 25.MAR.2008 13:02:14

### Conducted Output Power Plot on Configuration 11a Draft n MCS8 20MHz Ant. 6-2/5825 MHz



Date: 25.MAR.2008 13:02:57

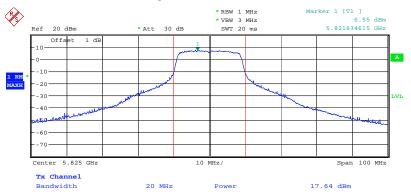
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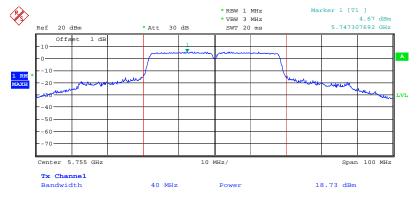
Report No.: FR821205AD

#### Conducted Output Power Plot on Configuration 11a Draft n MCS8 20MHz Ant. 6-3/5825 MHz



Date: 25.MAR.2008 13:03:37

# Conducted Output Power Plot on Configuration 11a Draft n MCS8 40MHz Ant. 6-1/5755 MHz



Date: 25.MAR.2008 15:12:22

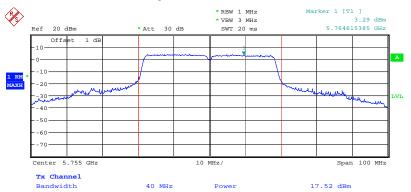
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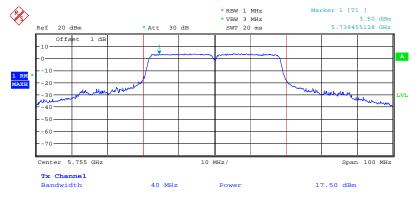
Report No.: FR821205AD

#### Conducted Output Power Plot on Configuration 11a Draft n MCS8 40MHz Ant. 6-2/5755 MHz



Date: 25.MAR.2008 15:13:05

### Conducted Output Power Plot on Configuration 11a Draft n MCS8 40MHz Ant. 6-3/5755 MHz



Date: 25.MAR.2008 15:13:40

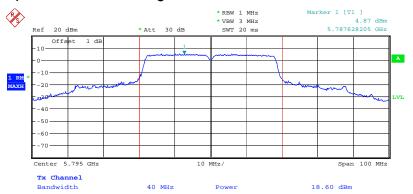
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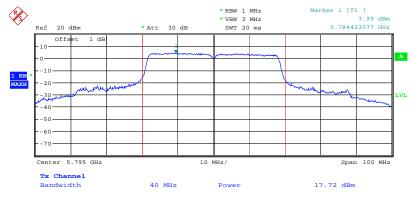


#### Conducted Output Power Plot on Configuration 11a Draft n MCS8 40MHz Ant. 6-1/5795 MHz



Date: 25.MAR.2008 15:15:37

### Conducted Output Power Plot on Configuration 11a Draft n MCS8 40MHz Ant. 6-2/5755 MHz



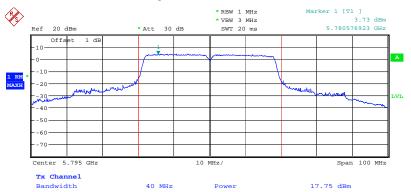
Date: 25.MAR.2008 15:16:39

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### Conducted Output Power Plot on Configuration 11a Draft n MCS8 40MHz Ant. 6-3/5795 MHz

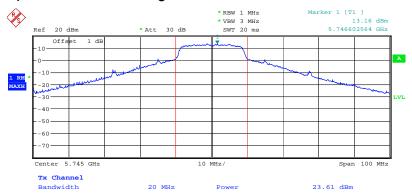


Date: 25.MAR.2008 15:17:15



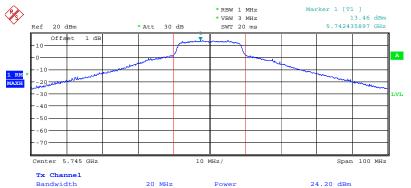


#### Conducted Output Power Plot on Configuration 11a Draft n MCS8 20MHz Ant. 7-1/5745 MHz



Date: 20.MAR.2008 21:07:12

# Conducted Output Power Plot on Configuration 11a Draft n MCS8 20MHz Ant. 7-2/5745 MHz



Date: 20.MAR.2008 21:08:40

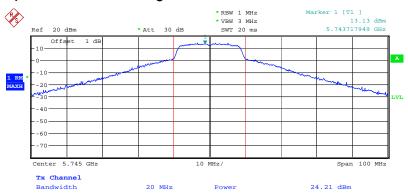
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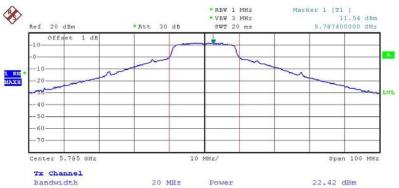
#### Conducted Output Power Plot on Configuration 11a Draft n MCS8 20MHz Ant. 7-3/5745 MHz



Date: 20.MAR.2008 21:07:56

SPORTON LAB.

# Conducted Output Power Plot on Configuration 11a Draft n MCS8 20MHz Ant. 7-1/5785MHz



Date: 17.MAR.2008 17:24:36

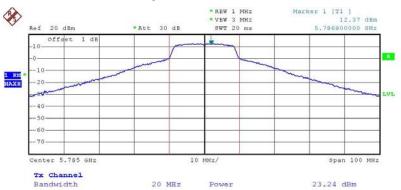
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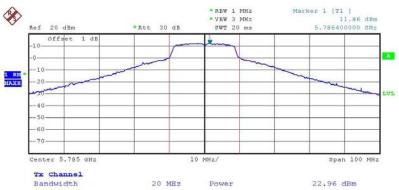
Report No.: FR821205AD

#### Conducted Output Power Plot on Configuration 11a Draft n MCS8 20MHz Ant. 7-2/ 5785MHz



Date: 17.MAR.2008 17:23:02

### Conducted Output Power Plot on Configuration 11a Draft n MCS8 20MHz Ant. 7-3/ 5785MHz



Date: 17.MAR.2008 17:22:03

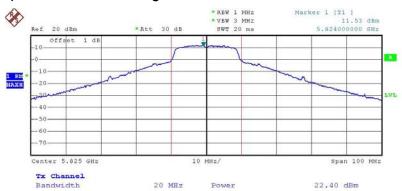
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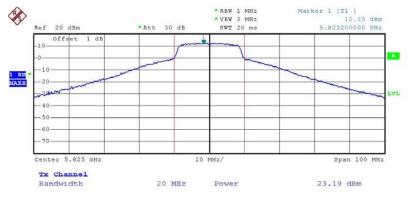
#### Conducted Output Power Plot on Configuration 11a Draft n MCS8 20MHz Ant. 7-1/5825 MHz



Date: 17.MAR.2008 17:17:59

SPORTON LAB.

### Conducted Output Power Plot on Configuration 11a Draft n MCS8 20MHz Ant. 7-2/5825 MHz



Date: 17.MAR.2008 17:20:14

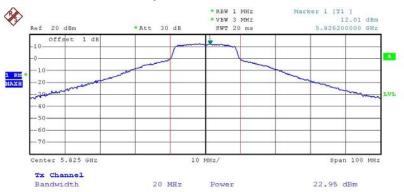
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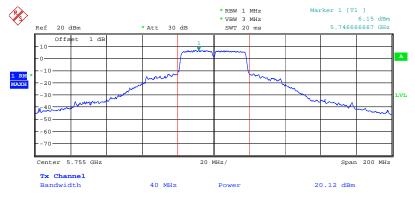
Report No.: FR821205AD

#### Conducted Output Power Plot on Configuration 11a Draft n MCS8 20MHz Ant. 7-3/5825 MHz



Date: 17.MAR.2008 17:21:16

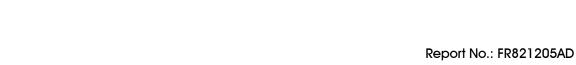
### Conducted Output Power Plot on Configuration 11a Draft n MCS8 40MHz Ant. 7-1/5755 MHz



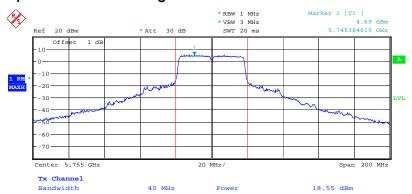
Date: 20.MAR.2008 21:04:54

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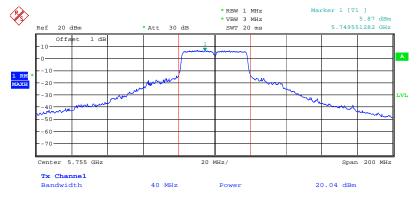
#### Conducted Output Power Plot on Configuration 11a Draft n MCS8 40MHz Ant. 7-2/5755 MHz



Date: 20.MAR.2008 21:03:13

SPORTON LAB.

### Conducted Output Power Plot on Configuration 11a Draft n MCS8 40MHz Ant. 7-3/5755 MHz



Date: 20.MAR.2008 21:04:12

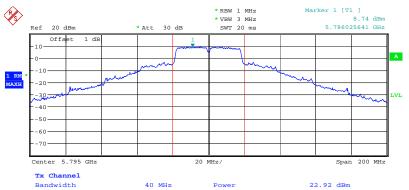
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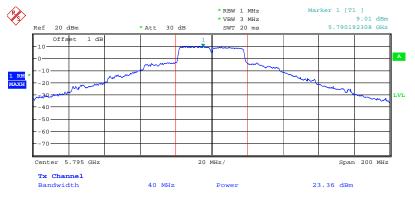
Report No.: FR821205AD

### Conducted Output Power Plot on Configuration 11a Draft n MCS8 40MHz Ant. 7-1/5795 MHz



Date: 20.MAR.2008 21:14:25

### Conducted Output Power Plot on Configuration 11a Draft n MCS8 40MHz Ant. 7-2/5755 MHz



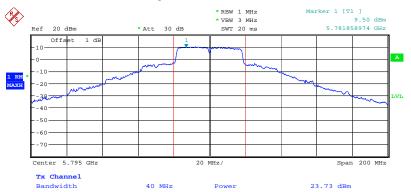
Date: 20.MAR.2008 21:15:01

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# Conducted Output Power Plot on Configuration 11a Draft n MCS8 40MHz Ant. 7-3/5795 MHz



Date: 20.MAR.2008 21:15:42

# 4.3. Power Spectral Density Measurement

#### 4.3.1. Limit

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

#### 4.3.2. Measuring Instruments and Setting

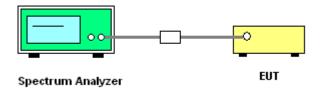
Please refer to section 5 of equipments list in this report. The following table is the setting of Spectrum Analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	1.5MHz
RB	3 kHz
VB	30 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	500s

#### 4.3.3. Test Procedures

- 1. The transmitter output (antenna port) was connected to the spectrum analyser.
- 2. Set RBW of spectrum analyzer to 3kHz and VBW to 30kHz. Set Detector to Peak, Trace to Max Hold.
- 3. Mark the frequency with maximum peak power as the center of the display of the spectrum.
- 4. Set the span to 1.5MHz and the sweep time to 500s and record the maximum peak value.
- 5. Measuring multiple antennas, the connector is required to link with spectrum analyser through a combiner.

#### 4.3.4. Test Setup Layout



#### 4.3.5. Test Deviation

There is no deviation with the original standard.

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# 4.3.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

### 4.3.7. Test Result of Power Spectral Density

Temperature	<b>23</b> ℃	Humidity	62%
Test Engineer	Sam Chen	Configurations	Draft n / Antenna 1

# Configuration Draft n MCSO 20MHz

Channel	Frequency	Power Density (dBm)	Max. Limit (dBm)	Result
1	2412 MHz	-4.65	8.00	Complies
6	2437 MHz	-0.45	8.00	Complies
11	2462 MHz	0.46	8.00	Complies

# Configuration Draft n MCSO 40MHz

Channel	Frequency	Power Density (dBm)	Max. Limit (dBm)	Result
3	2422 MHz	-3.96	8.00	Complies
6	2437 MHz	-0.33	8.00	Complies
9	2452 MHz	0.18	8.00	Complies

Temperature	26℃	Humidity	60%
Test Engineer	Sam Chen	Configurations	11a Draft n / Antenna 1

# Configuration 11a Draft n MCS8 20MHz

Channel	Frequency	Power Density (dBm)	Max. Limit (dBm)	Result
149	5745 MHz	0.87	8.00	Complies
157	5785 MHz	2.82	8.00	Complies
165	5827 MHz	1.11	8.00	Complies

# Configuration 11a Draft n MCS8 40MHz

Channel	Frequency	Power Density (dBm)	Max. Limit (dBm)	Result
151	5755 MHz	-1.61	8.00	Complies
159	5795 MHz	4.68	8.00	Complies

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Temperature	23℃	Humidity	62%
Test Engineer	Sam Chen	Configurations	Draft n / Antenna 2

# Configuration Draft n MCS0 20MHz

Channel	Frequency	Power Density (dBm)	Max. Limit (dBm)	Result
1	2412 MHz	-11.59	8.00	Complies
6	2437 MHz	-5.89	8.00	Complies
11	2462 MHz	-8.30	8.00	Complies

# Configuration Draft n MCS0 40MHz

Channel	Frequency	Power Density (dBm)	Max. Limit (dBm)	Result
3	2422 MHz	-7.56	8.00	Complies
6	2437 MHz	-7.54	8.00	Complies
9	2452 MHz	-4.27	8.00	Complies

Temperature	23℃	Humidity	62%
Test Engineer	Sam Chen	Configurations	Draft n / Antenna 3

# Configuration Draft n MCS0 20MHz

Channel	Frequency	Power Density (dBm)	Max. Limit (dBm)	Result
1	2412 MHz	-8.91	8.00	Complies
6	2437 MHz	-0.43	8.00	Complies
11	2462 MHz	-7.92	8.00	Complies

# Configuration Draft n MCS0 40MHz

Channel	Frequency	Power Density (dBm)	Max. Limit (dBm)	Result
3	2422 MHz	-8.40	8.00	Complies
6	2437 MHz	-3.91	8.00	Complies
9	2452 MHz	-5.65	8.00	Complies

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Temperature	23℃	Humidity	62%
Test Engineer	Sam Chen	Configurations	Draft n / Antenna 4

# Configuration Draft n MCS0 20MHz

Channel	Frequency	Power Density (dBm)	Max. Limit (dBm)	Result
1	2412 MHz	-5.84	8.00	Complies
6	2437 MHz	0.18	8.00	Complies
11	2462 MHz	-4.25	8.00	Complies

# Configuration Draft n MCS0 40MHz

Channel	Frequency	Power Density (dBm)	Max. Limit (dBm)	Result
3	2422 MHz	1.26	8.00	Complies
6	2437 MHz	2.06	8.00	Complies
9	2452 MHz	3.22	8.00	Complies

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Temperature	23℃	Humidity	62%
Test Engineer	Sam Chen	Configurations	Draft n / Antenna 5

# Configuration Draft n MCS0 20MHz

Channel	Frequency	Power Density (dBm)	Max. Limit (dBm)	Result
1	2412 MHz	-7.27	8.00	Complies
6	2437 MHz	2.75	8.00	Complies
11	2462 MHz	-7.92	8.00	Complies

# Configuration Draft n MCSO 40MHz

Channel	Frequency	Power Density (dBm)	Max. Limit (dBm)	Result
3	2422 MHz	-2.79	8.00	Complies
6	2437 MHz	-0.33	8.00	Complies
9	2452 MHz	-4.27	8.00	Complies

Temperature	26℃	Humidity	60%
Test Engineer	Sam Chen	Configurations	11a Draft n / Antenna 5

# Configuration 11a Draft n MCS8 20MHz

Channel	Frequency	Power Density (dBm)	Max. Limit (dBm)	Result
149	5745 MHz	0.87	8.00	Complies
157	5785 MHz	0.32	8.00	Complies
165	5827 MHz	0.59	8.00	Complies

# Configuration 11a Draft n MCS8 40MHz

Channel	Frequency	Power Density (dBm)	Max. Limit (dBm)	Result
151	5755 MHz	-1.61	8.00	Complies
159	5795 MHz	4.68	8.00	Complies

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Temperature	<b>26</b> ℃	Humidity	60%
Test Engineer	Sam Chen	Configurations	11a Draft n / Antenna 6

# Configuration 11a Draft n MCS8 20MHz

Channel	Frequency	Power Density (dBm)	Max. Limit (dBm)	Result
149	5745 MHz	-1.79	8.00	Complies
157	5785 MHz	-1.60	8.00	Complies
165	5827 MHz	-1.98	8.00	Complies

# Configuration 11a Draft n MC\$8 40MHz

Channel	Frequency	Power Density (dBm)	Max. Limit (dBm)	Result
151	5755 MHz	-2.46	8.00	Complies
159	5795 MHz	0.25	8.00	Complies

Temperature	<b>26</b> ℃	Humidity	60%
Test Engineer	Sam Chen	Configurations	11a Draft n / Antenna 7

# Configuration 11a Draft n MC\$8 20MHz

Channel	Frequency	Power Density (dBm)	Max. Limit (dBm)	Result
149	5745 MHz	0.87	8.00	Complies
157	5785 MHz	2.82	8.00	Complies
165	5827 MHz	1.11	8.00	Complies

# Configuration 11a Draft n MCS8 40MHz

Channel	Frequency	Power Density (dBm)	Max. Limit (dBm)	Result
151	5755 MHz	-1.61	8.00	Complies
159	5795 MHz	4.68	8.00	Complies

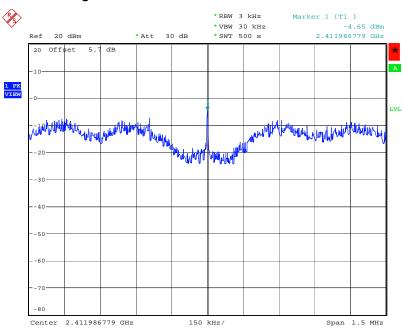
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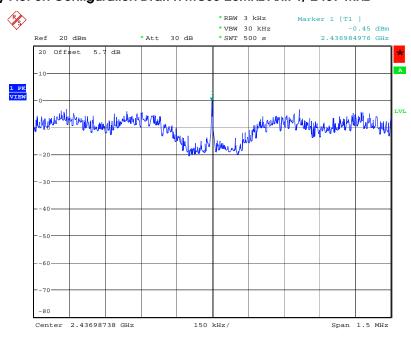


#### Power Density Plot on Configuration Draft n MCSO 20MHz Ant. 1/2412 MHz



Date: 20.MAR.2008 20:53:51

### Power Density Plot on Configuration Draft n MCSO 20MHz Ant. 1/2437 MHz



Date: 20.MAR.2008 20:55:03

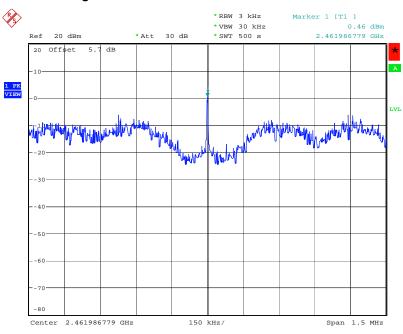
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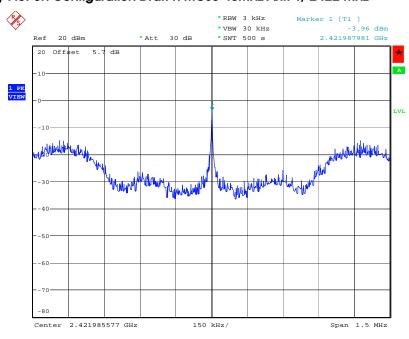


### Power Density Plot on Configuration Draft n MCSO 20MHz Ant. 1/2462 MHz



Date: 20.MAR.2008 20:55:51

### Power Density Plot on Configuration Draft n MCSO 40MHz Ant. 1/2422 MHz



Date: 20.MAR.2008 20:59:35

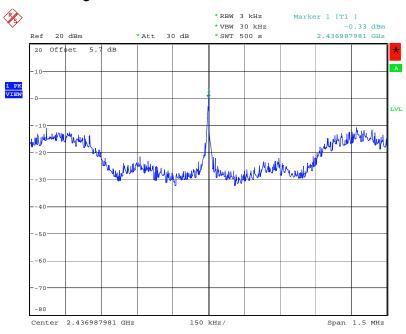
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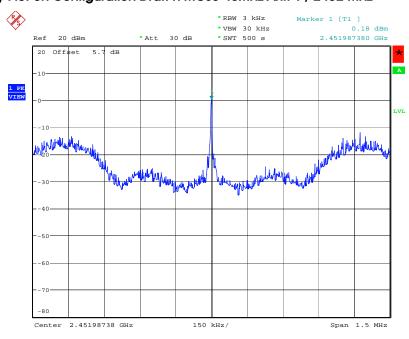


### Power Density Plot on Configuration Draft n MCSO 40MHz Ant. 1 / 2437 MHz



Date: 20.MAR.2008 20:58:31

### Power Density Plot on Configuration Draft n MCS0 40MHz Ant. 1 / 2452 MHz



Date: 20.MAR.2008 20:57:28

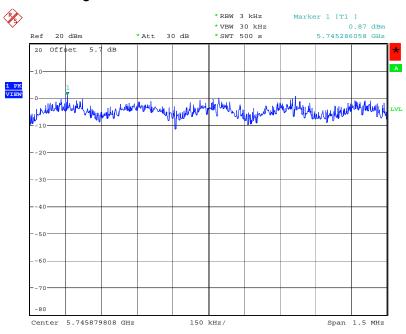
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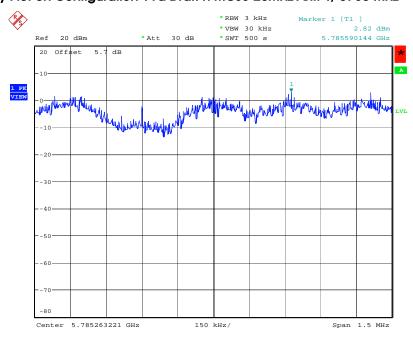


### Power Density Plot on Configuration 11a Draft n MCS8 20MHz Ant. 1 5745 MHz



Date: 20.MAR.2008 21:37:21

### Power Density Plot on Configuration 11a Draft n MCS8 20MHz Ant. 1/5785 MHz



Date: 20.MAR.2008 21:38:21

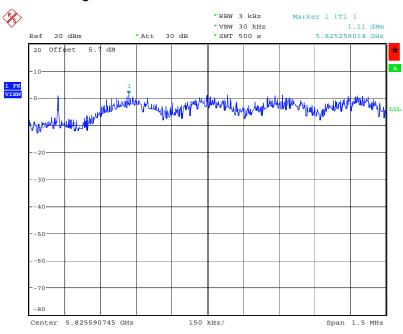
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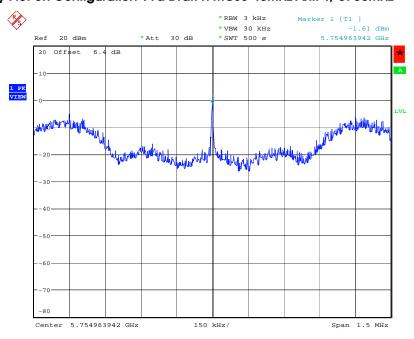


### Power Density Plot on Configuration 11a Draft n MCS8 20MHz Ant. 1/5825 MHz



Date: 20.MAR.2008 21:39:16

### Power Density Plot on Configuration 11a Draft n MCS8 40MHz Ant. 1/5755MHz



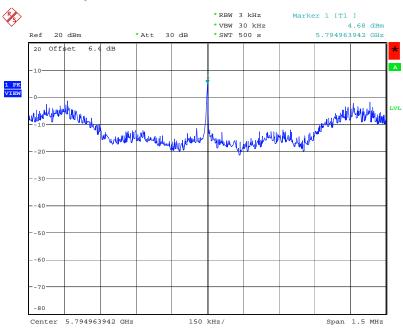
Date: 20.MAR.2008 20:40:47

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# Power Density Plot on Configuration 11a Draft n MCS8 40MHz Ant. 1/5795 MHz

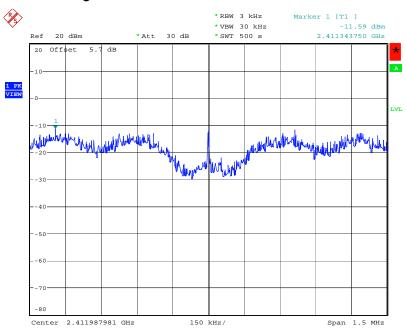


Date: 20.MAR.2008 20:34:39



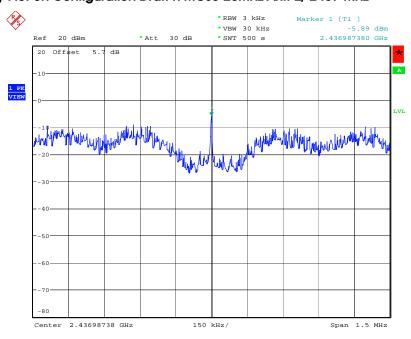


#### Power Density Plot on Configuration Draft n MCSO 20MHz Ant. 2/2412 MHz



Date: 22.MAR.2008 16:14:54

### Power Density Plot on Configuration Draft n MCSO 20MHz Ant. 2/ 2437 MHz



Date: 22.MAR.2008 16:19:03

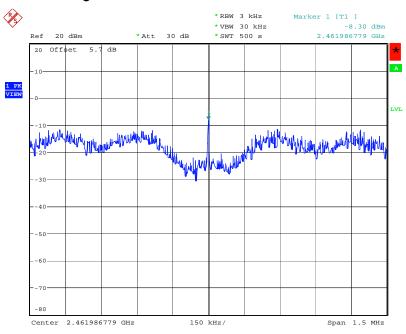
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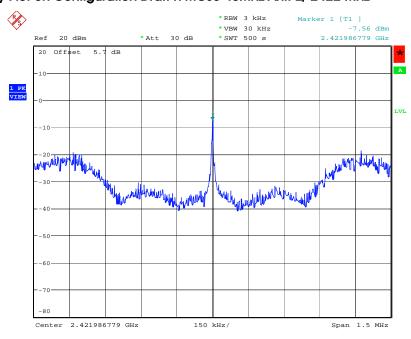


#### Power Density Plot on Configuration Draft n MCSO 20MHz Ant. 2/ 2462 MHz



Date: 22.MAR.2008 16:21:03

### Power Density Plot on Configuration Draft n MCSO 40MHz Ant. 2/ 2422 MHz



Date: 22.MAR.2008 16:12:55

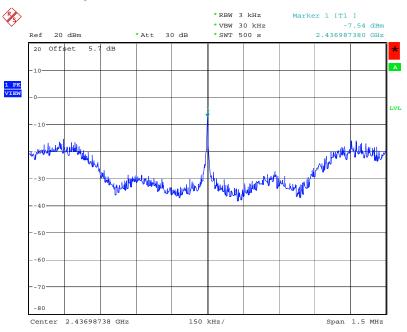
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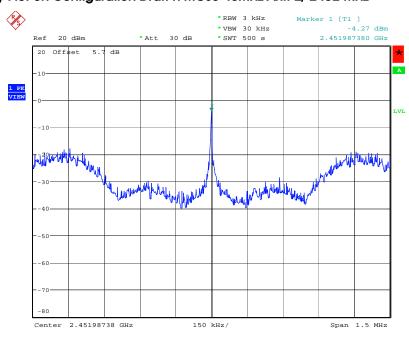


### Power Density Plot on Configuration Draft n MCSO 40MHz Ant. 2/2437 MHz



Date: 22.MAR.2008 16:08:50

### Power Density Plot on Configuration Draft n MCSO 40MHz Ant. 2/ 2452 MHz



Date: 22.MAR.2008 16:07:34

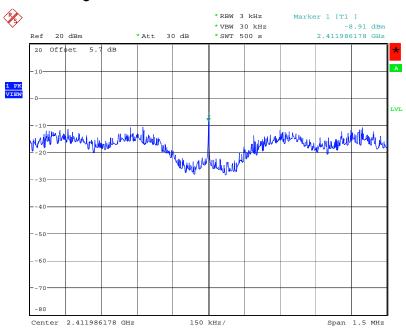
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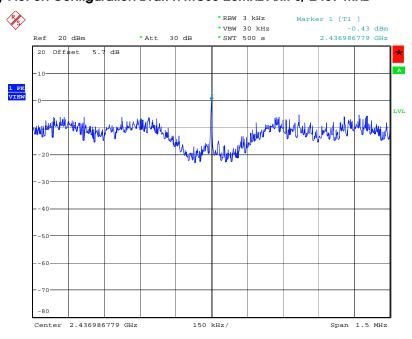


#### Power Density Plot on Configuration Draft n MCSO 20MHz Ant. 3/2412 MHz



Date: 22.MAR.2008 16:16:49

### Power Density Plot on Configuration Draft n MCSO 20MHz Ant. 3/ 2437 MHz



Date: 22.MAR.2008 16:18:07

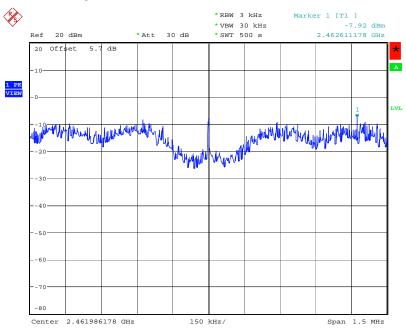
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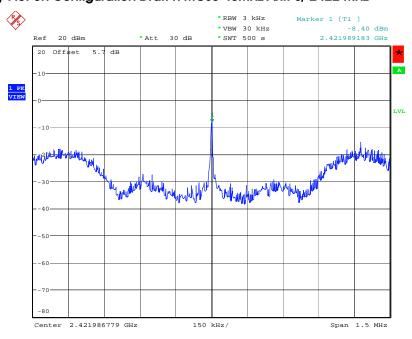


### Power Density Plot on Configuration Draft n MCSO 20MHz Ant. 3/ 2462 MHz



Date: 21.MAR.2008 16:21:26

### Power Density Plot on Configuration Draft n MCSO 40MHz Ant. 3/ 2422 MHz



Date: 22.MAR.2008 16:11:41

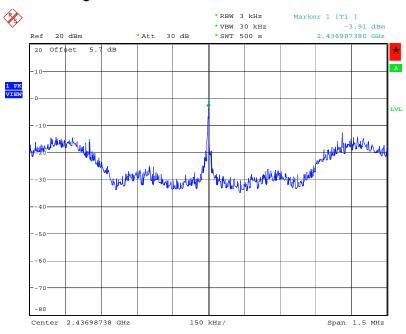
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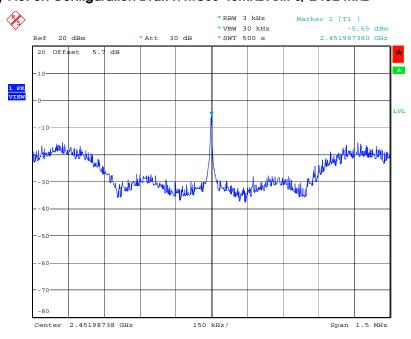


### Power Density Plot on Configuration Draft n MCSO 40MHz Ant. 3/ 2437 MHz



Date: 22.MAR.2008 16:09:56

### Power Density Plot on Configuration Draft n MCSO 40MHz Ant. 3/ 2452 MHz



Date: 22.MAR.2008 16:06:35

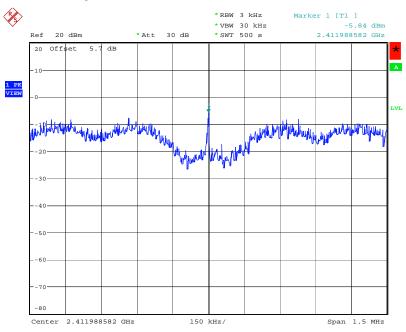
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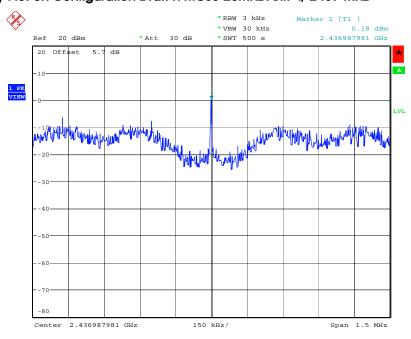


### Power Density Plot on Configuration Draft n MCSO 20MHz Ant. 4/2412 MHz



Date: 21.MAR.2008 19:28:34

### Power Density Plot on Configuration Draft n MCSO 20MHz Ant. 4/ 2437 MHz



Date: 21.MAR.2008 19:29:25

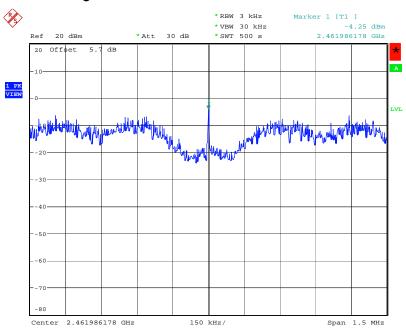
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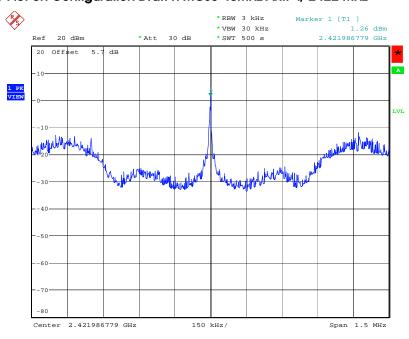


### Power Density Plot on Configuration Draft n MCSO 20MHz Ant. 4/ 2462 MHz



Date: 21.MAR.2008 19:30:04

### Power Density Plot on Configuration Draft n MCSO 40MHz Ant. 4/ 2422 MHz



Date: 21.MAR.2008 19:33:13

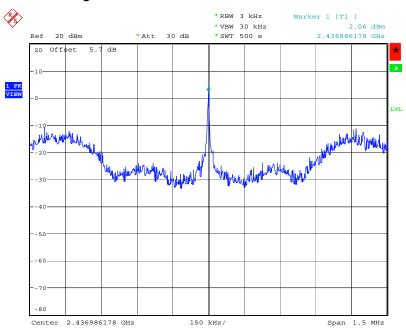
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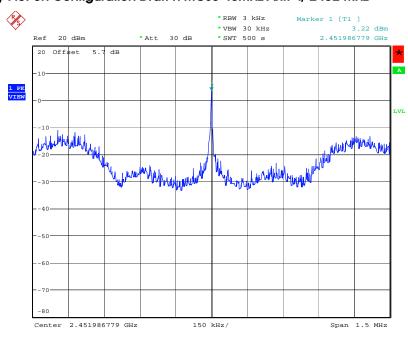


### Power Density Plot on Configuration Draft n MCSO 40MHz Ant. 4/ 2437 MHz



Date: 21.MAR.2008 19:32:23

### Power Density Plot on Configuration Draft n MCSO 40MHz Ant. 4/ 2452 MHz



Date: 21.MAR.2008 19:31:20

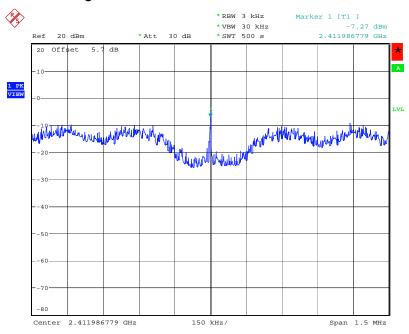
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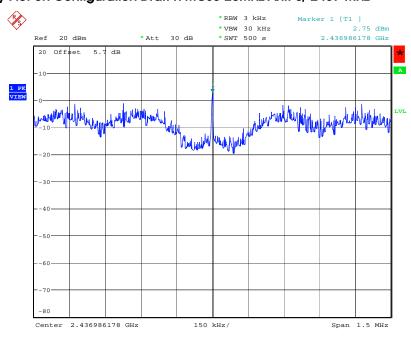


#### Power Density Plot on Configuration Draft n MCSO 20MHz Ant. 5/2412 MHz



Date: 21.MAR.2008 16:19:45

### Power Density Plot on Configuration Draft n MCSO 20MHz Ant. 5/ 2437 MHz



Date: 21.MAR.2008 16:20:38

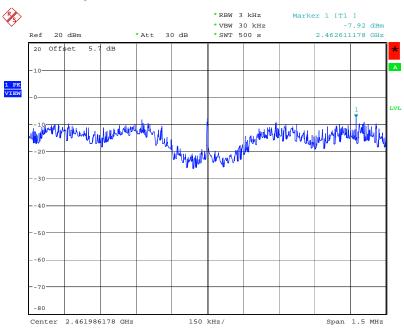
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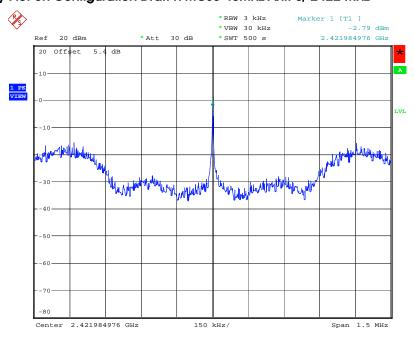


### Power Density Plot on Configuration Draft n MCSO 20MHz Ant. 5/ 2462 MHz



Date: 21.MAR.2008 16:21:26

### Power Density Plot on Configuration Draft n MCSO 40MHz Ant. 5/ 2422 MHz



Date: 21.MAR.2008 17:40:12

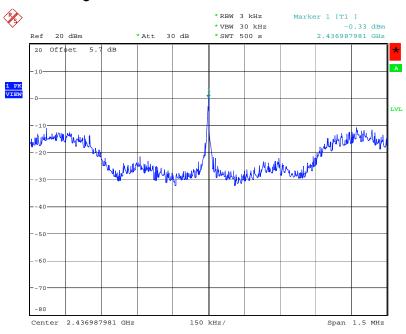
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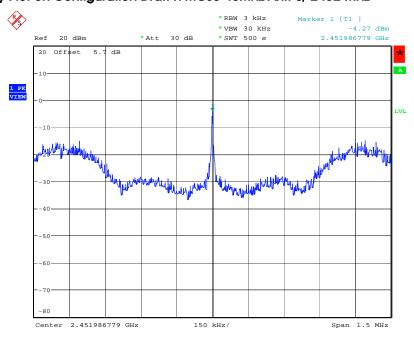


### Power Density Plot on Configuration Draft n MCSO 40MHz Ant. 5/ 2437 MHz



Date: 20.MAR.2008 20:58:31

### Power Density Plot on Configuration Draft n MCSO 40MHz Ant. 5/ 2452 MHz



Date: 21.MAR.2008 16:23:10

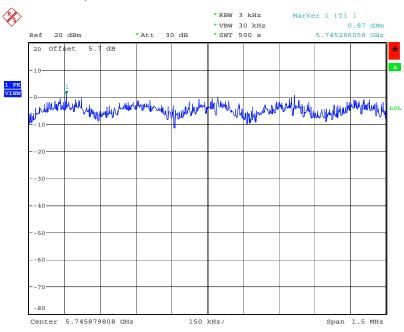
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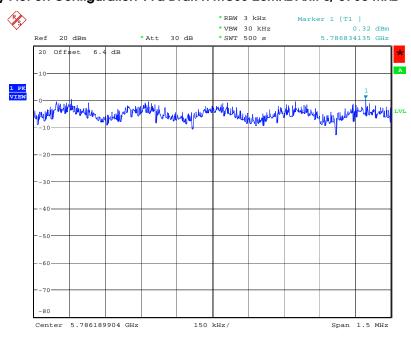


### Power Density Plot on Configuration 11a Draft n MCS8 20MHz Ant. 5/5745 MHz



Date: 20.MAR.2008 21:37:21

### Power Density Plot on Configuration 11a Draft n MCS8 20MHz Ant. 5/5785 MHz



Date: 21.MAR.2008 16:11:07

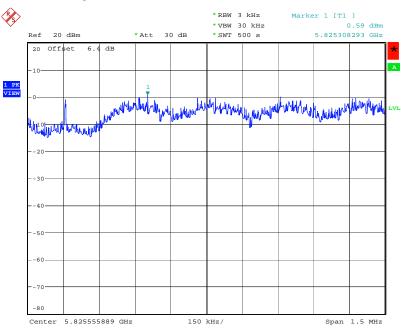
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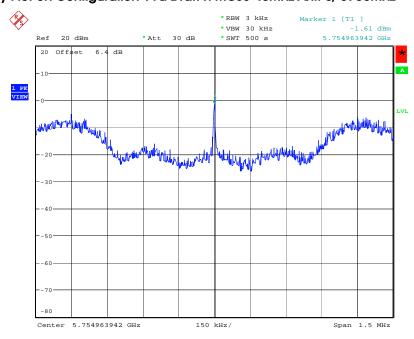


### Power Density Plot on Configuration 11a Draft n MCS8 20MHz Ant. 5/5825 MHz



Date: 21.MAR.2008 16:10:06

### Power Density Plot on Configuration 11a Draft n MCS8 40MHz Ant. 5/5755MHz



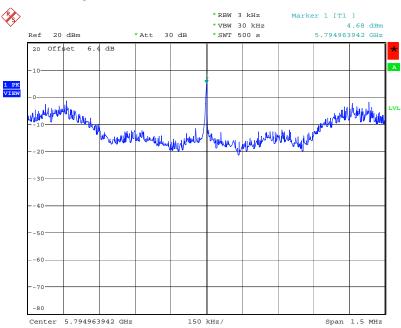
Date: 20.MAR.2008 20:40:47

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# Power Density Plot on Configuration 11a Draft n MCS8 40MHz Ant. 5/5795 MHz

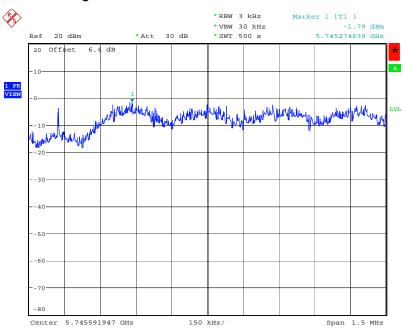


Date: 20.MAR.2008 20:34:39



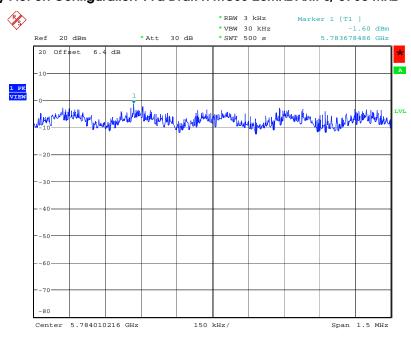


### Power Density Plot on Configuration 11a Draft n MCS8 20MHz Ant. 6/5745 MHz



Date: 25.MAR.2008 15:32:05

### Power Density Plot on Configuration 11a Draft n MCS8 20MHz Ant. 6/5785 MHz



Date: 25.MAR.2008 15:28:38

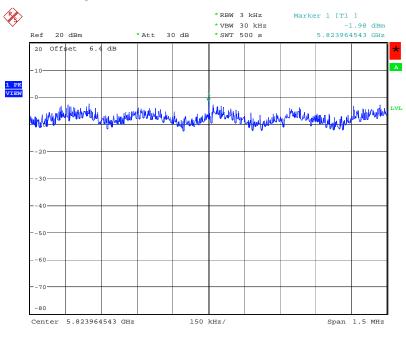
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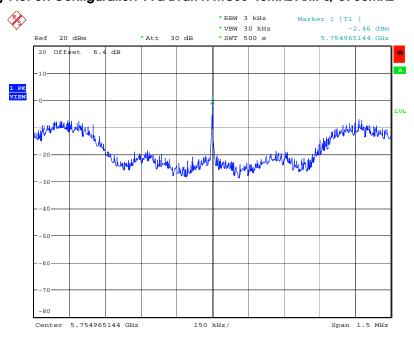


### Power Density Plot on Configuration 11a Draft n MCS8 20MHz Ant. 6/5825 MHz



Date: 25.MAR.2008 15:31:00

### Power Density Plot on Configuration 11a Draft n MCS8 40MHz Ant. 6/5755MHz



Date: 25.MAR.2008 15:26:04

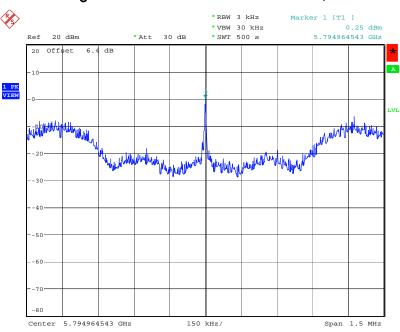
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# Power Density Plot on Configuration 11a Draft n MCS8 40MHz Ant. 6/5795 MHz

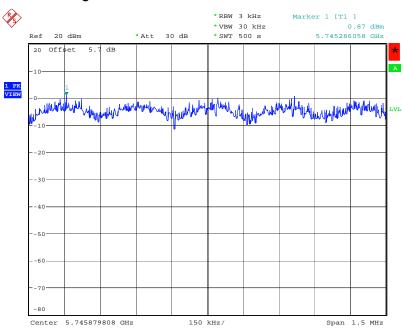


Date: 25.MAR.2008 15:24:16



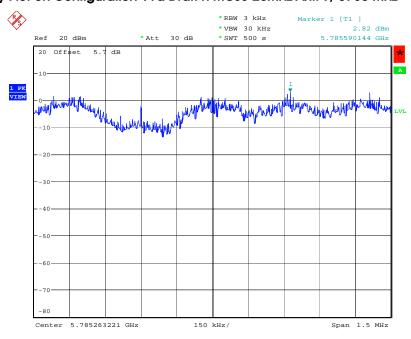


### Power Density Plot on Configuration 11a Draft n MCS8 20MHz Ant. 7/5745 MHz



Date: 20.MAR.2008 21:37:21

### Power Density Plot on Configuration 11a Draft n MCS8 20MHz Ant. 7/5785 MHz



Date: 20.MAR.2008 21:38:21

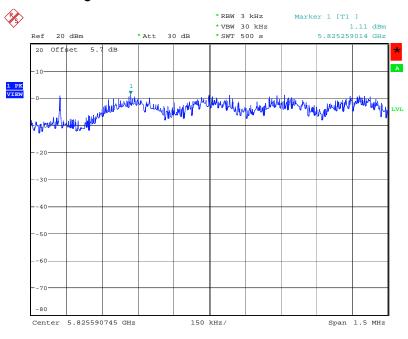
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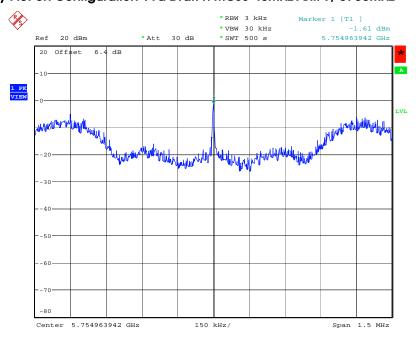


### Power Density Plot on Configuration 11a Draft n MCS8 20MHz Ant. 7/5825 MHz



Date: 20.MAR.2008 21:39:16

### Power Density Plot on Configuration 11a Draft n MCS8 40MHz Ant. 7/5755MHz



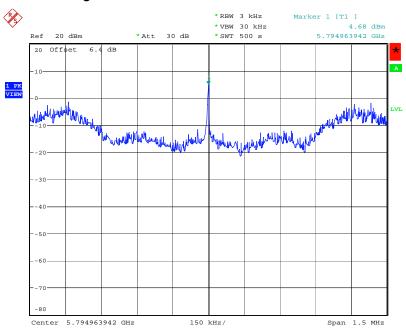
Date: 20.MAR.2008 20:40:47

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# Power Density Plot on Configuration 11a Draft n MCS8 40MHz Ant. 7/5795 MHz



Date: 20.MAR.2008 20:34:39

### 4.4. 6dB Spectrum Bandwidth Measurement

#### 4.4.1. Limit

For digital modulation systems, the minimum 6 dB bandwidth shall be at least 500 kHz.

#### 4.4.2. Measuring Instruments and Setting

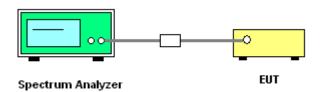
Please refer to section 5 of equipments list in this report. The following table is the setting of the Spectrum Analyzer.

Spectrum Parameters	Setting
Attenuation	Auto
Span Frequency	> 6dB Bandwidth
RB	100 kHz
VB	100 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

#### 4.4.3. Test Procedures

- 1. The transmitter output (antenna port) was connected to the spectrum analyser in peak hold mode.
- 2. The resolution bandwidth of 100 kHz and the video bandwidth of 100 kHz were used.
- 3. Measured the spectrum width with power higher than 6dB below carrier.
- 4. Measuring multiple antennas, the connector is required to link with spectrum analyzer through a combiner.

### 4.4.4. Test Setup Layout



#### 4.4.5. Test Deviation

There is no deviation with the original standard.

#### 4.4.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

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# 4.4.7. Test Result of 6dB Spectrum Bandwidth

Temperature	23℃	Humidity	62%
Test Engineer	Sam Chen	Configurations	Draft n / Antenna 1

# Configuration Draft n MCS0 20MHz

Channel	Frequency	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Min. Limit (kHz)	Test Result
1	2412 MHz	15.35	17.59	500	Complies
6	2437 MHz	15.96	17.59	500	Complies
11	2462 MHz	15.73	17.59	500	Complies

# Configuration Draft n MCSO 40MHz

Channel	Frequency	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Min. Limit (kHz)	Test Result
3	2422 MHz	36.28	36.28	500	Complies
6	2437 MHz	35.70	36.28	500	Complies
9	2452 MHz	35.12	36.28	500	Complies

Temperature	23℃	Humidity	62%
Test Engineer	Sam Chen	Configurations	11a Draft n / Antenna 1

# Configuration 11a Draft n MCS8 20MHz Ant. A1 + Ant. A2 + Ant. A3

Channel	Frequency	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Min. Limit (kHz)	Test Result
149	5745 MHz	15.64	17.66	500	Complies
157	5785 MHz	15.03	17.91	500	Complies
165	5825 MHz	14.03	17.85	500	Complies

### Configuration 11a Draft n MCS8 40MHz Ant. A1 + Ant. A2 + Ant. A3

Channel	Frequency	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Min. Limit (kHz)	Test Result
151	5755 MHz	35.06	36.28	500	Complies
159	5795 MHz	35.12	36.41	500	Complies

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Temperature	23℃	Humidity	62%
Test Engineer	Sam Chen	Configurations	Draft n / Antenna 2

## Configuration Draft n MCS0 20MHz

Channel	Frequency	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Min. Limit (kHz)	Test Result
1	2412 MHz	16.05	17.59	500	Complies
6	2437 MHz	16.28	17.59	500	Complies
11	2462 MHz	15.92	17.59	500	Complies

# Configuration Draft n MCSO 40MHz

Channel	Frequency	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Min. Limit (kHz)	Test Result
3	2422 MHz	36.08	36.28	500	Complies
6	2437 MHz	36.41	36.28	500	Complies
9	2452 MHz	35.64	36.28	500	Complies

Temperature	23℃	Humidity	62%
Test Engineer	Sam Chen	Configurations	Draft n / Antenna 3

## Configuration Draft n MCS0 20MHz

Channel	Frequency	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Min. Limit (kHz)	Test Result
1	2412 MHz	17.17	17.62	500	Complies
6	2437 MHz	16.63	17.59	500	Complies
11	2462 MHz	15.99	17.59	500	Complies

# Configuration Draft n MCS0 40MHz

Channel	Frequency	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Min. Limit (kHz)	Test Result
3	2422 MHz	36.02	36.28	500	Complies
6	2437 MHz	36.02	36.28	500	Complies
9	2452 MHz	35.70	36.28	500	Complies

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Temperature	23℃	Humidity	62%
Test Engineer	Sam Chen	Configurations	Draft n / Antenna 4

# Configuration Draft n MCS0 20MHz

Channel	Frequency	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Min. Limit (kHz)	Test Result
1	2412 MHz	15.64	17.59	500	Complies
6	2437 MHz	16.92	17.59	500	Complies
11	2462 MHz	16.28	17.59	500	Complies

## Configuration Draft n MCSO 40MHz

Channel	Frequency	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Min. Limit (kHz)	Test Result
3	2422 MHz	36.28	36.28	500	Complies
6	2437 MHz	35.70	36.28	500	Complies
9	2452 MHz	35.76	36.28	500	Complies

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Temperature	23℃	Humidity	62%
Test Engineer	Sam Chen	Configurations	Draft n / Antenna 5

## Configuration Draft n MCS0 20MHz

Channel	Frequency	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Min. Limit (kHz)	Test Result
1	2412 MHz	16.53	17.59	500	Complies
6	2437 MHz	15.70	17.62	500	Complies
11	2462 MHz	15.99	17.59	500	Complies

## Configuration Draft n MCSO 40MHz

Channel	Frequency	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Min. Limit (kHz)	Test Result
3	2422 MHz	35.12	36.28	500	Complies
6	2437 MHz	35.70	36.28	500	Complies
9	2452 MHz	35.44	36.28	500	Complies

Temperature	23°C Humidity 62%		62%
Test Engineer	Sam Chen	Configurations	11a Draft n / Antenna 5

# Configuration 11a Draft n MCS8 20MHz Ant. A1 + Ant. A2 + Ant. A3

Channel	Frequency	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Min. Limit (kHz)	Test Result
149	5745 MHz	15.64	17.66	500	Complies
157	5785 MHz	15.12	17.62	500	Complies
165	5825 MHz	15.06	17.72	500	Complies

# Configuration 11a Draft n MCS8 40MHz Ant. A1 + Ant. A2 + Ant. A3

Channel	Frequency	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Min. Limit (kHz)	Test Result
151	5755 MHz	35.06	36.28	500	Complies
159	5795 MHz	35.12	36.41	500	Complies

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Temperature	23℃	Humidity	62%
Test Engineer	Sam Chen	Configurations	11a Draft n / Antenna 6

## Configuration 11a Draft n MCS8 20MHz Ant. A1 + Ant. A2 + Ant. A3

Channel	Frequency	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Min. Limit (kHz)	Test Result
149	5745 MHz	13.91	17.59	500	Complies
157	5785 MHz	15.06	17.59	500	Complies
165	5825 MHz	16.34	17.59	500	Complies

## Configuration 11a Draft n MCS8 40MHz Ant. A1 + Ant. A2 + Ant. A3

Channel	Frequency	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Min. Limit (kHz)	Test Result
151	5755 MHz	35.76	36.28	500	Complies
159	5795 MHz	35.19	36.21	500	Complies

Temperature	23℃	Humidity	62%
Test Engineer	Sam Chen	Configurations	11a Draft n / Antenna 7

## Configuration 11a Draft n MCS8 20MHz Ant. A1 + Ant. A2 + Ant. A3

Channel	Frequency	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Min. Limit (kHz)	Test Result
149	5745 MHz	15.64	17.66	500	Complies
157	5785 MHz	15.03	17.91	500	Complies
165	5825 MHz	14.03	17.85	500	Complies

## Configuration 11a Draft n MCS8 40MHz Ant. A1 + Ant. A2 + Ant. A3

Channel	Frequency	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Min. Limit (kHz)	Test Result
151	5755 MHz	35.06	36.28	500	Complies
159	5795 MHz	35.12	36.41	500	Complies

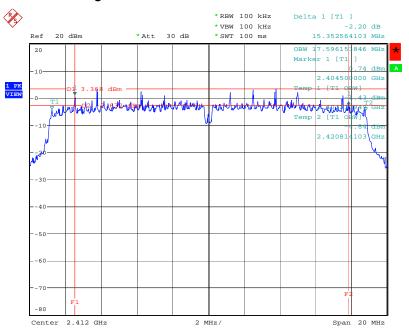
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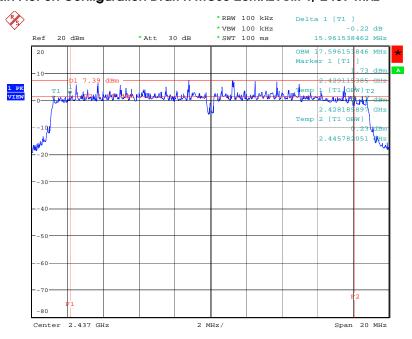


#### 6 dB Bandwidth Plot on Configuration Draft n MCSO 20MHz Ant. 1/2412 MHz



Date: 20.MAR.2008 20:53:26

### 6 dB Bandwidth Plot on Configuration Draft n MCSO 20MHz Ant. 1/2437 MHz



Date: 20.MAR.2008 20:54:46

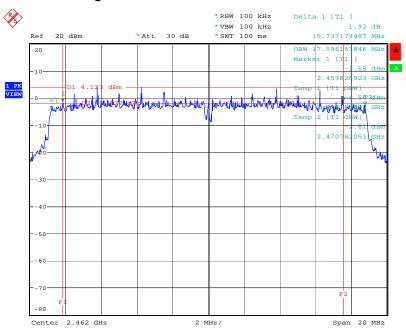
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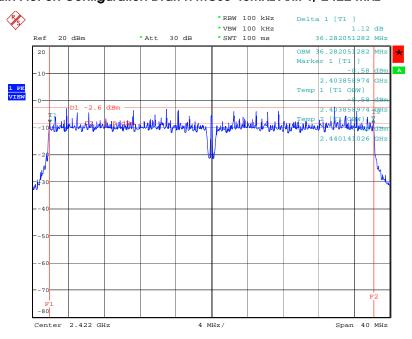


#### 6 dB Bandwidth Plot on Configuration Draft n MCSO 20MHz Ant. 1/2462 MHz



Date: 20.MAR.2008 20:55:35

### 6 dB Bandwidth Plot on Configuration Draft n MCSO 40MHz Ant. 1/2422 MHz



Date: 20.MAR.2008 20:59:09

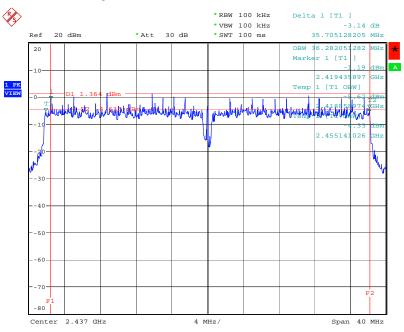
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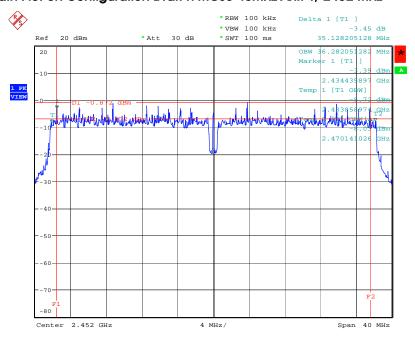


### 6 dB Bandwidth Plot on Configuration Draft n MCSO 40MHz Ant. 1 / 2437 MHz



Date: 20.MAR.2008 20:58:05

### 6 dB Bandwidth Plot on Configuration Draft n MCSO 40MHz Ant. 1/2452 MHz



Date: 20.MAR.2008 20:57:03

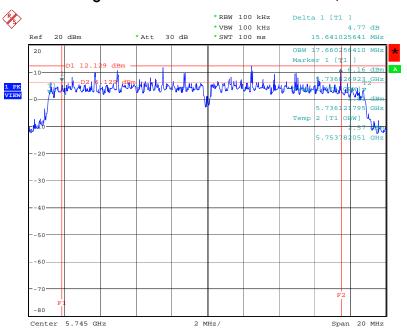
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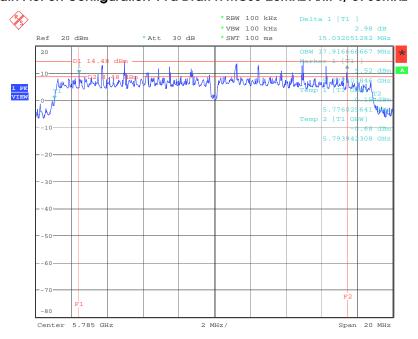


### 6 dB Bandwidth Plot on Configuration 11a Draft n MCS8 20MHz Ant. 1/5745 MHz



Date: 20.MAR.2008 21:36:55

### 6 dB Bandwidth Plot on Configuration 11a Draft n MCS8 20MHz Ant. 1/5785MHz



Date: 20.MAR.2008 21:37:55

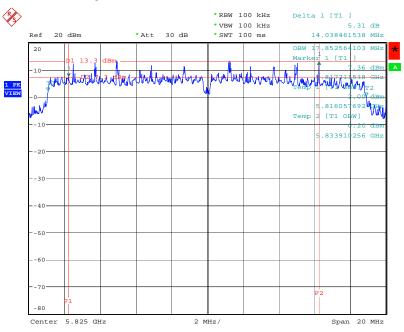
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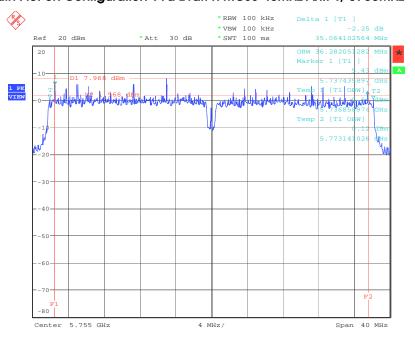


### 6 dB Bandwidth Plot on Configuration 11a Draft n MCS8 20MHz Ant. 1/5825 MHz



Date: 20.MAR.2008 21:38:49

### 6 dB Bandwidth Plot on Configuration 11a Draft n MCS8 40MHz Ant. 1/5755MHz



Date: 20.MAR.2008 20:40:21

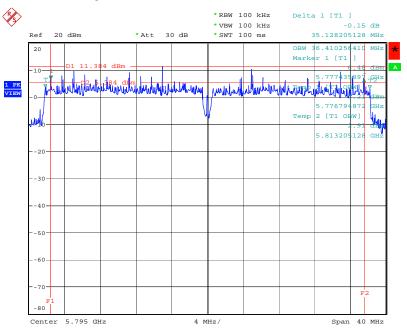
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## 6 dB Bandwidth Plot on Configuration 11a Draft n MCS8 40MHz Ant. 1/5795 MHz

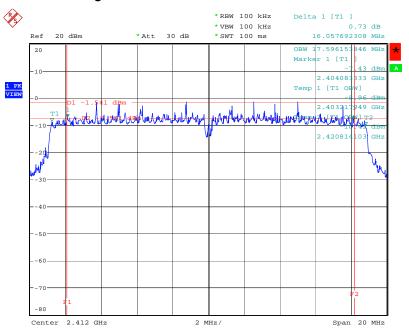


Date: 20.MAR.2008 20:34:13



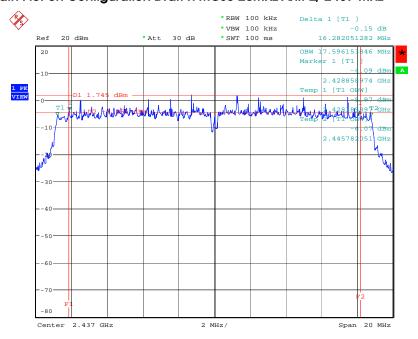


### 6 dB Bandwidth Plot on Configuration Draft n MCSO 20MHz Ant. 2/2412 MHz



Date: 22.MAR.2008 16:14:28

### 6 dB Bandwidth Plot on Configuration Draft n MCSO 20MHz Ant. 2/ 2437 MHz



Date: 22.MAR.2008 16:18:46

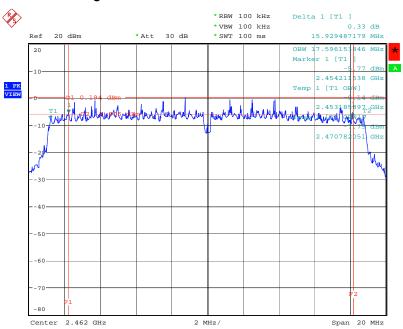
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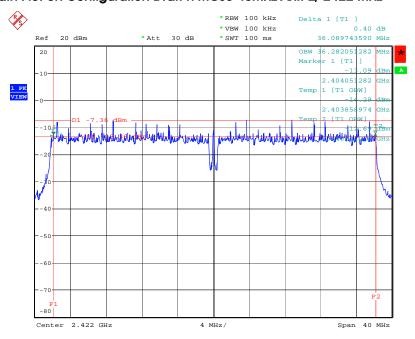


### 6 dB Bandwidth Plot on Configuration Draft n MCSO 20MHz Ant. 2/ 2462 MHz



Date: 22.MAR.2008 16:20:48

### 6 dB Bandwidth Plot on Configuration Draft n MCSO 40MHz Ant. 2/ 2422 MHz



Date: 22.MAR.2008 16:12:29

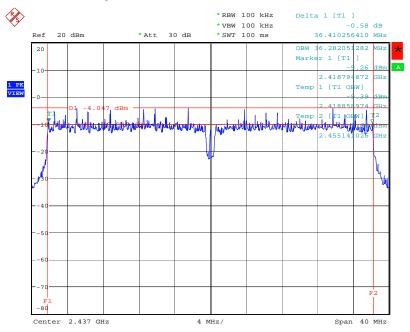
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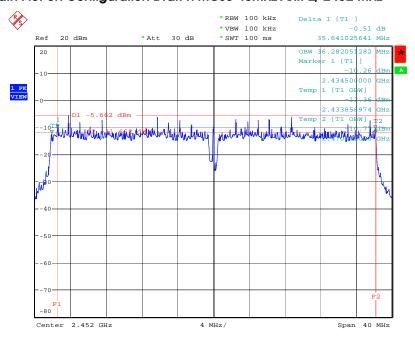


### 6 dB Bandwidth Plot on Configuration Draft n MCSO 40MHz Ant. 2/2437 MHz



Date: 22.MAR.2008 16:08:24

### 6 dB Bandwidth Plot on Configuration Draft n MCSO 40MHz Ant. 2/ 2452 MHz



Date: 22.MAR.2008 16:07:08

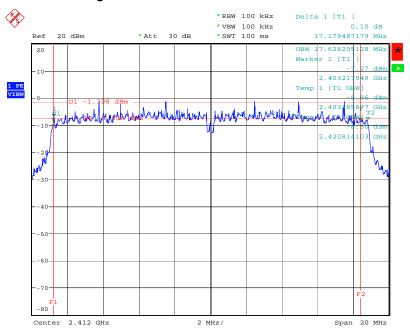
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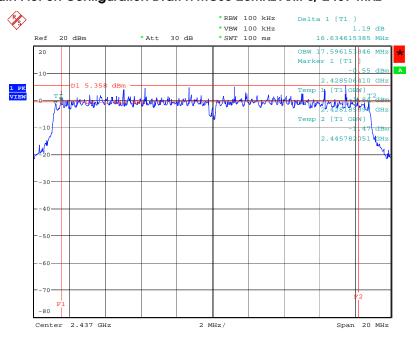


### 6 dB Bandwidth Plot on Configuration Draft n MCSO 20MHz Ant. 3/ 2412 MHz



Date: 22.MAR.2008 16:16:23

### 6 dB Bandwidth Plot on Configuration Draft n MCSO 20MHz Ant. 3/ 2437 MHz



Date: 22.MAR.2008 16:17:50

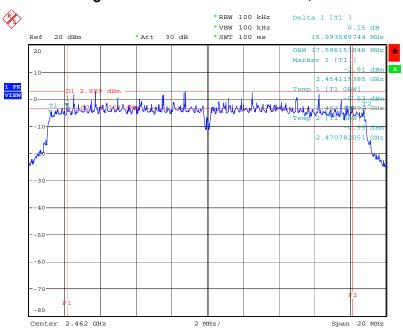
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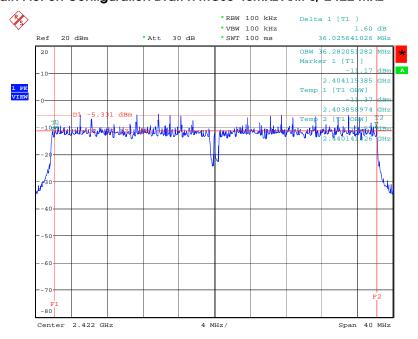


#### 6 dB Bandwidth Plot on Configuration Draft n MCSO 20MHz Ant. 3/ 2462 MHz



Date: 21.MAR.2008 16:21:10

### 6 dB Bandwidth Plot on Configuration Draft n MCSO 40MHz Ant. 3/ 2422 MHz



Date: 22.MAR.2008 16:11:15

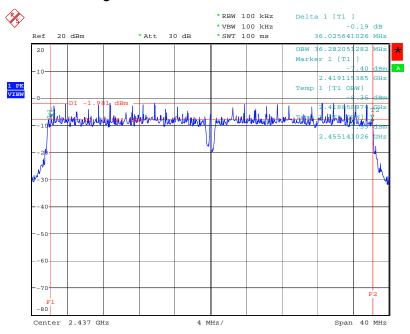
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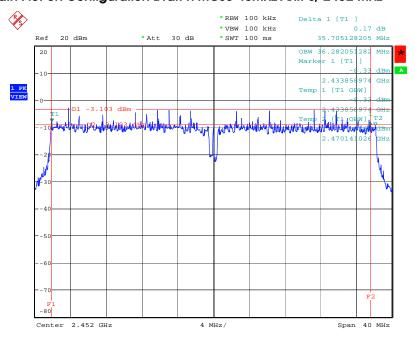


### 6 dB Bandwidth Plot on Configuration Draft n MCSO 40MHz Ant. 3/ 2437 MHz



Date: 22.MAR.2008 16:09:30

### 6 dB Bandwidth Plot on Configuration Draft n MCSO 40MHz Ant. 3/ 2452 MHz



Date: 22.MAR.2008 16:06:09

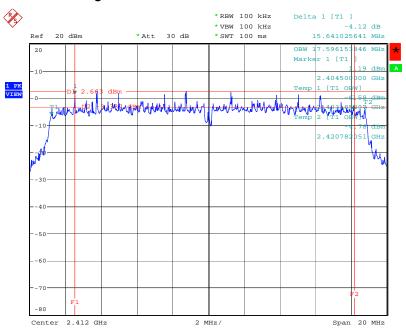
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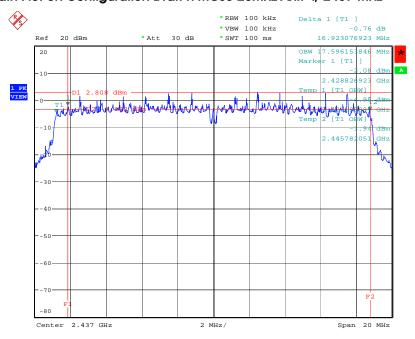


### 6 dB Bandwidth Plot on Configuration Draft n MCSO 20MHz Ant. 4/ 2412 MHz



Date: 21.MAR.2008 19:28:05

### 6 dB Bandwidth Plot on Configuration Draft n MCSO 20MHz Ant. 4/ 2437 MHz



Date: 21.MAR.2008 19:29:08

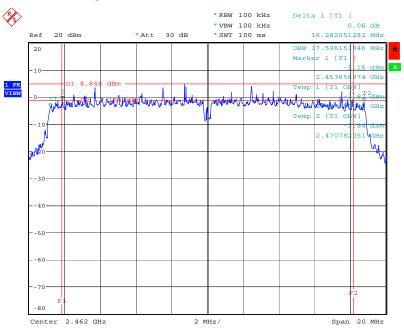
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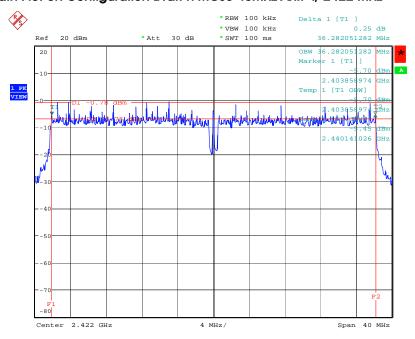


### 6 dB Bandwidth Plot on Configuration Draft n MCSO 20MHz Ant. 4/ 2462 MHz



Date: 21.MAR.2008 19:29:48

### 6 dB Bandwidth Plot on Configuration Draft n MCSO 40MHz Ant. 4/ 2422 MHz



Date: 21.MAR.2008 19:32:47

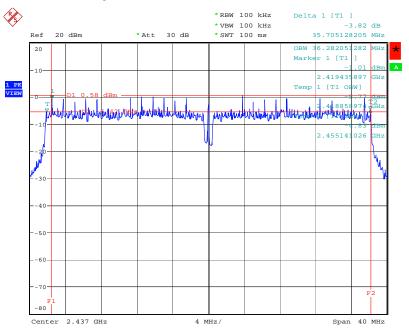
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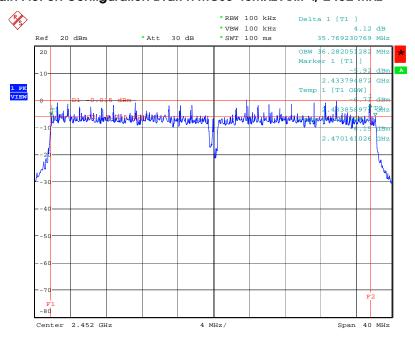


### 6 dB Bandwidth Plot on Configuration Draft n MCSO 40MHz Ant./ 2437 MHz



Date: 21.MAR.2008 19:31:57

### 6 dB Bandwidth Plot on Configuration Draft n MCSO 40MHz Ant. 4/ 2452 MHz



Date: 21.MAR.2008 19:30:54

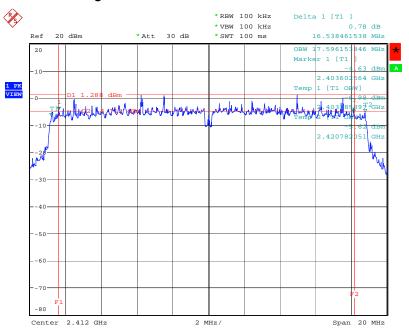
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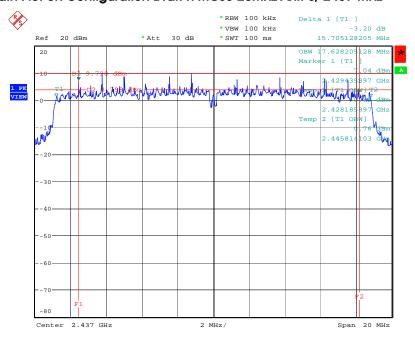


### 6 dB Bandwidth Plot on Configuration Draft n MCSO 20MHz Ant. 5/ 2412 MHz



Date: 21.MAR.2008 16:19:20

### 6 dB Bandwidth Plot on Configuration Draft n MCSO 20MHz Ant. 5/ 2437 MHz



Date: 21.MAR.2008 16:20:21

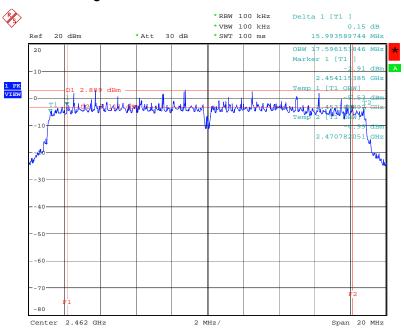
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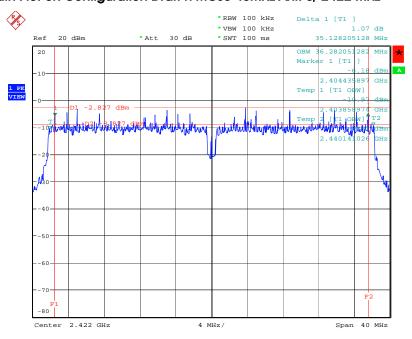


#### 6 dB Bandwidth Plot on Configuration Draft n MCSO 20MHz Ant. 5/ 2462 MHz



Date: 21.MAR.2008 16:21:10

### 6 dB Bandwidth Plot on Configuration Draft n MCSO 40MHz Ant. 5/ 2422 MHz



Date: 21.MAR.2008 16:23:43

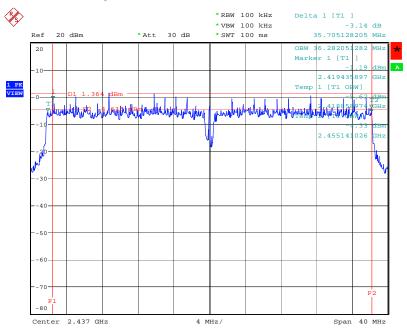
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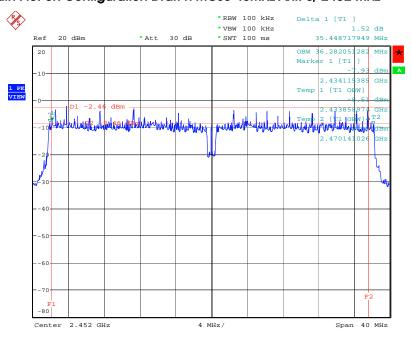


### 6 dB Bandwidth Plot on Configuration Draft n MCSO 40MHz Ant. 5/ 2437 MHz



Date: 20.MAR.2008 20:58:05

### 6 dB Bandwidth Plot on Configuration Draft n MCSO 40MHz Ant. 5/ 2452 MHz



Date: 21.MAR.2008 16:22:44

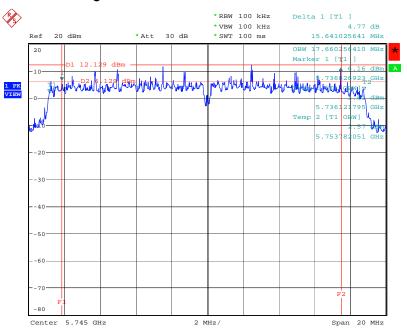
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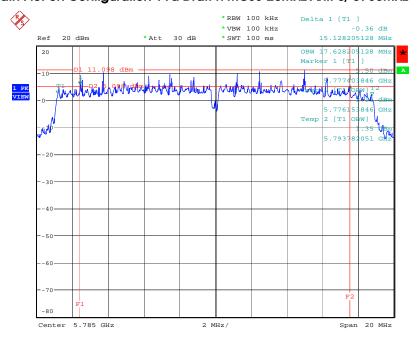


### 6 dB Bandwidth Plot on Configuration 11a Draft n MCS8 20MHz Ant. 5/5745 MHz



Date: 20.MAR.2008 21:36:55

### 6 dB Bandwidth Plot on Configuration 11a Draft n MCS8 20MHz Ant. 5/5785MHz



Date: 21.MAR.2008 16:10:41

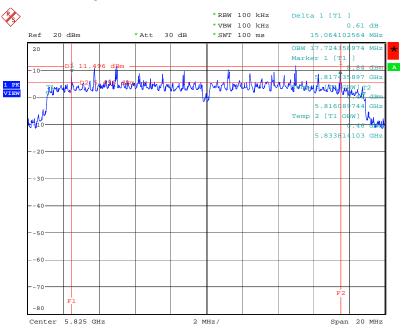
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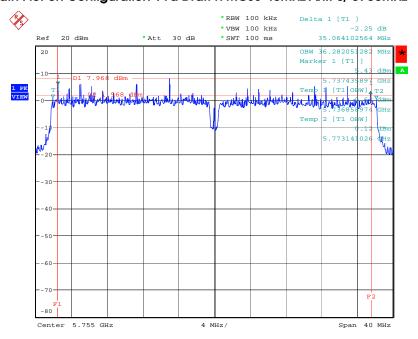


### 6 dB Bandwidth Plot on Configuration 11a Draft n MCS8 20MHz Ant. 5/5825 MHz



Date: 21.MAR.2008 16:09:40

### 6 dB Bandwidth Plot on Configuration 11a Draft n MCS8 40MHz Ant. 5/ 5755MHz



Date: 20.MAR.2008 20:40:21

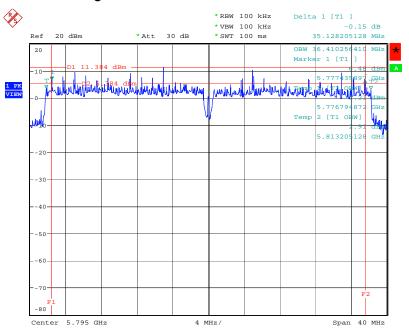
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## 6 dB Bandwidth Plot on Configuration 11a Draft n MCS8 40MHz Ant. 5/5795 MHz

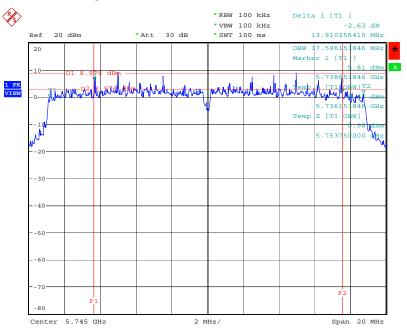


Date: 20.MAR.2008 20:34:13



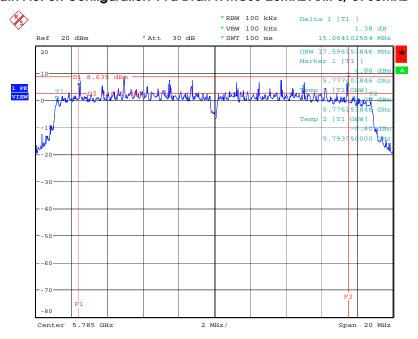


### 6 dB Bandwidth Plot on Configuration 11a Draft n MCS8 20MHz Ant. 6/5745 MHz



Date: 25.MAR.2008 15:31:39

### 6 dB Bandwidth Plot on Configuration 11a Draft n MCS8 20MHz Ant. 6/5785MHz



Date: 25.MAR.2008 15:28:12

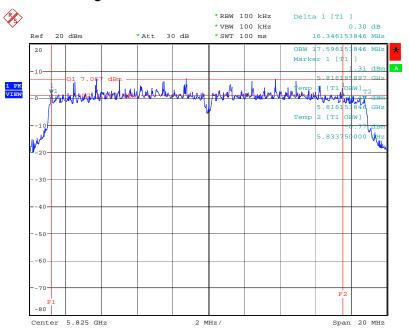
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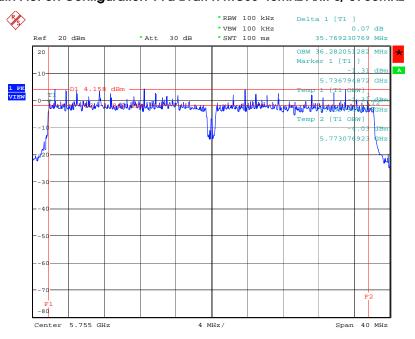


### 6 dB Bandwidth Plot on Configuration 11a Draft n MCS8 20MHz Ant. 6/5825 MHz



Date: 25.MAR.2008 15:30:35

### 6 dB Bandwidth Plot on Configuration 11a Draft n MCS8 40MHz Ant. 6/5755MHz



Date: 25.MAR.2008 15:25:39

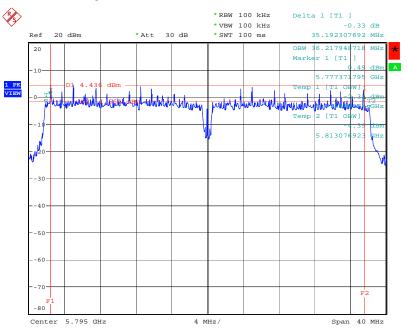
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## 6 dB Bandwidth Plot on Configuration 11a Draft n MCS8 40MHz Ant. 6/5795 MHz



Date: 25.MAR.2008 15:23:47