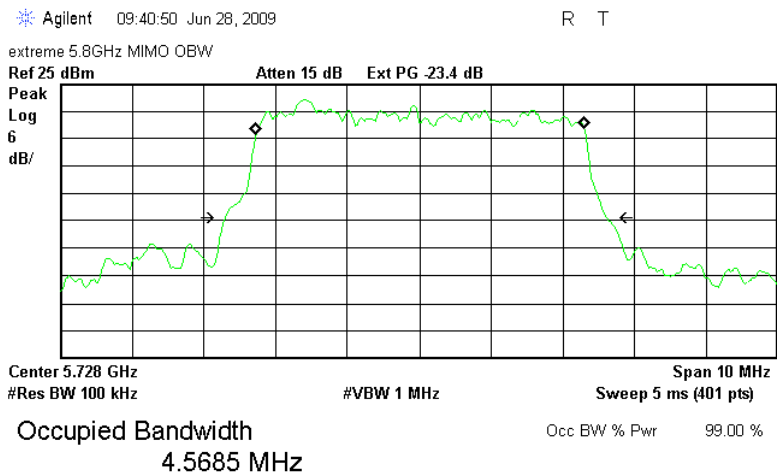


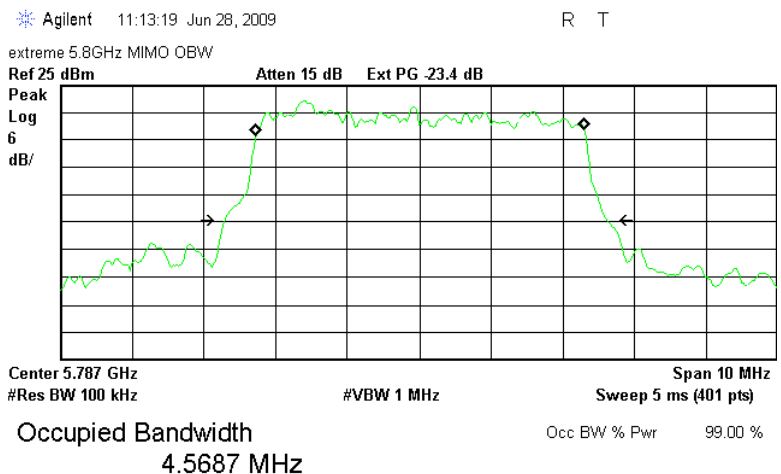
29/06/09
 Alvarion Ltd.
 BreezeMAX Extreme 5.8 Base station
 Model: EXTR-BS-2SIS-5.8-Ext
FCC ID:LKT-EXTR-58

EUT name	BreezeMAX Extreme 5.8 Base station
Test specification	FCC p.15.247
Test name	Occupied BW-26dB
Modulation	OFDM
CH BW	5MHz
Measured equipment	Agilent E4407B cal. date 30/6/2010 s/n A01508



Transmit Freq Error 20.912 kHz
 x dB Bandwidth 5.319 MHz

Low 5727.5MHz

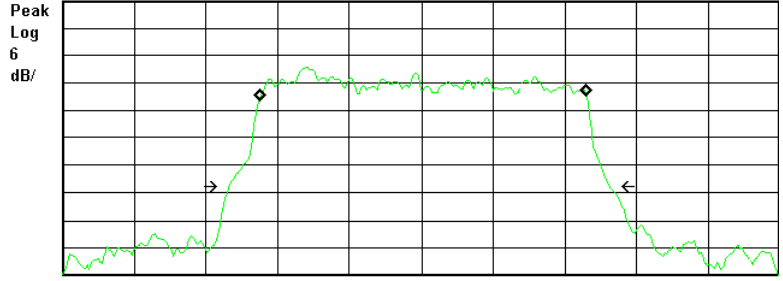


Transmit Freq Error 20.594 kHz
 x dB Bandwidth 5.316 MHz

Middle 5787.5MHz

extreme 5.8GHz MIMO OBW

Ref 30 dBm Atten 15 dB Ext PG -25.1 dB



Center 5.848 GHz Span 10 MHz
#Res BW 100 kHz #VBW 1 MHz Sweep 5 ms (401 pts)

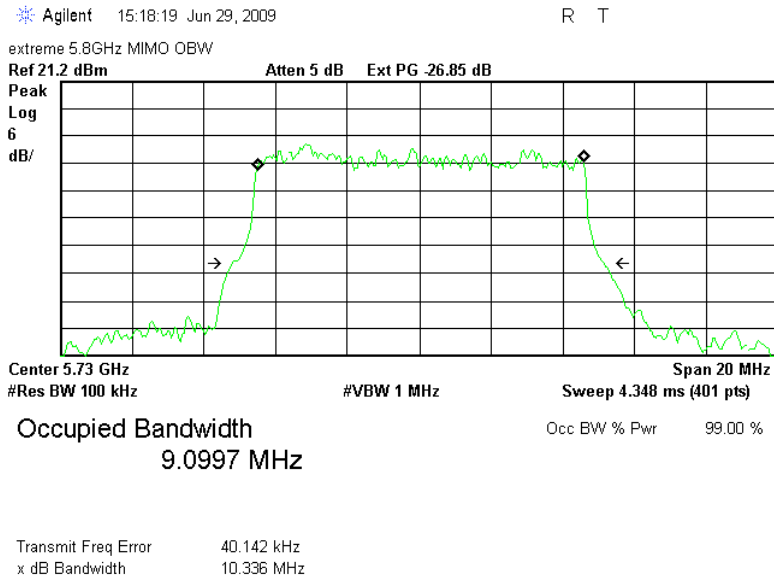
Occupied Bandwidth
4.5640 MHz

Occ BW % Pwr 99.00 %

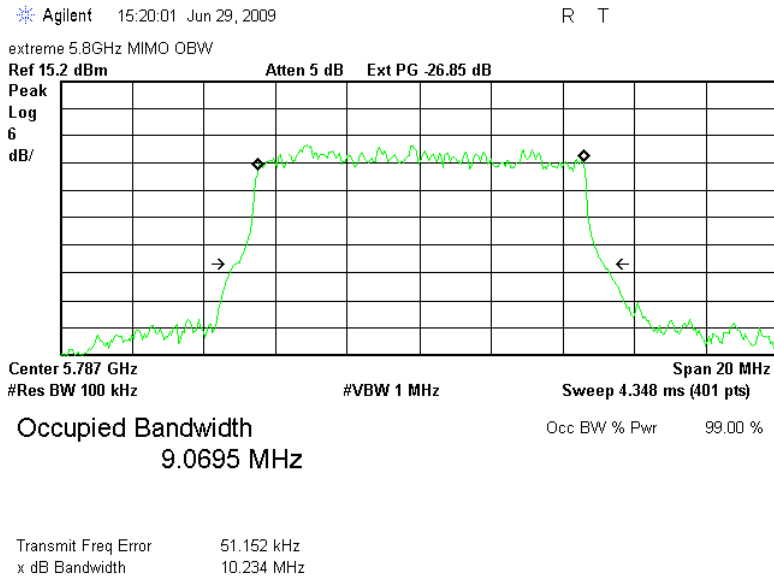
Transmit Freq Error 23.610 kHz
x dB Bandwidth 5.289 MHz

High 5847.5MHz

EUT name	BreezeMAX Extreme 5.8 Base station
Test specification	FCC p.15.247
Test name	Occupied BW-26dB
Modulation	OFDM
CH BW	10MHz
Measured equipment	Agilent E4407B cal. date 30/6/2010 s/n A01508



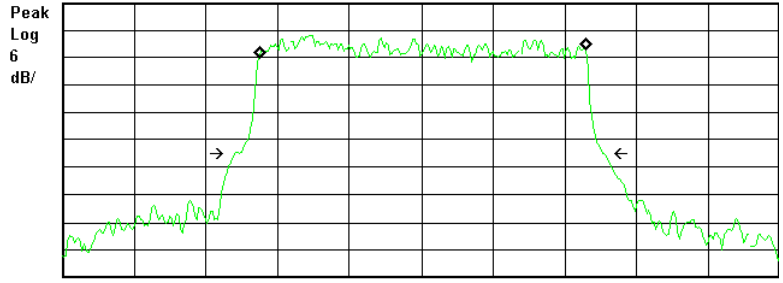
Low 5730MHz



Middle 5787.5MHz

extreme 5.8GHz MIMO OBW

Ref 15.2 dBm Atten 5 dB Ext PG -26.85 dB



Center 5.845 GHz
Res BW 100 kHz

VBW 100 kHz

Span 20 MHz
Sweep 5 ms (401 pts)

Occupied Bandwidth
9.1050 MHz

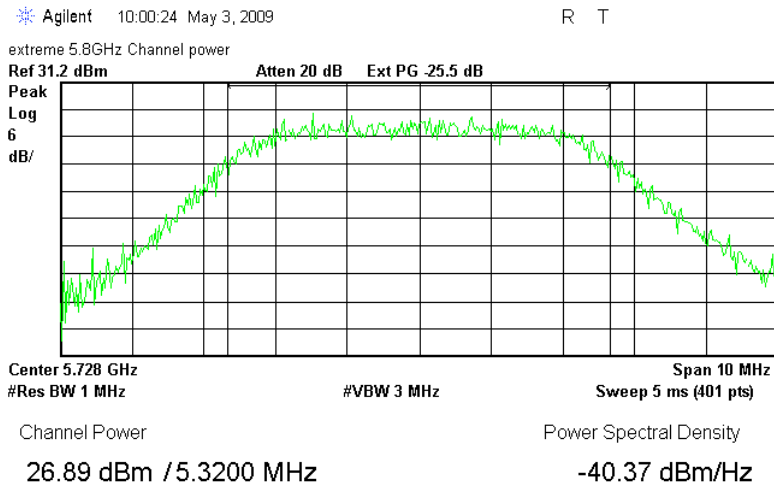
Occ BW % Pwr 99.00 %

Transmit Freq Error 40.888 kHz
x dB Bandwidth 10.254 MHz

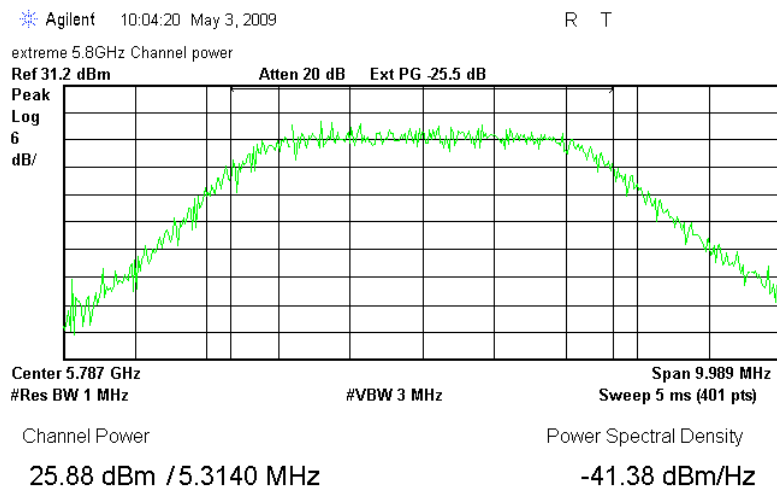
High 5845MHz

EUT name	BreezeMAX Extreme 5.8 Base station
Test specification	FCC p.15.247
Test name	Maximum peak output Power
Modulation	OFDM
CH BW	5MHz
Measured equipment	Agilent E4407B cal. date 30/6/2010 s/n A01508

CHAIN 1



Low 5727.5MHz



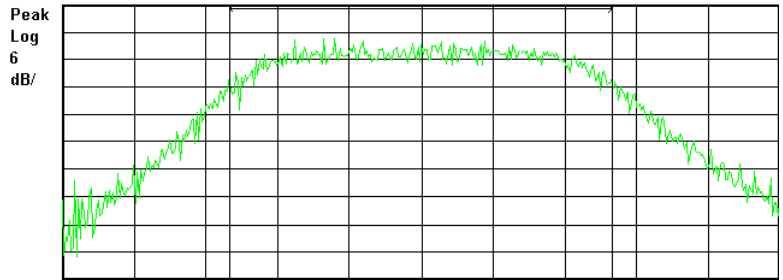
Middle 5787.5MHz

extreme 5.8GHz Channel power

Ref 31.2 dBm

Atten 20 dB

Ext PG -25.5 dB



Center 5.848 GHz

Span 10 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 5 ms (401 pts)

Channel Power

Power Spectral Density

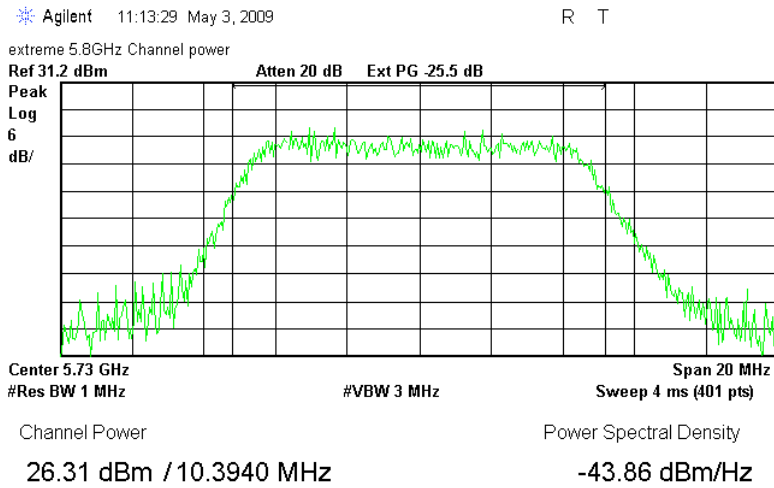
26.68 dBm / 5.3140 MHz

-40.58 dBm/Hz

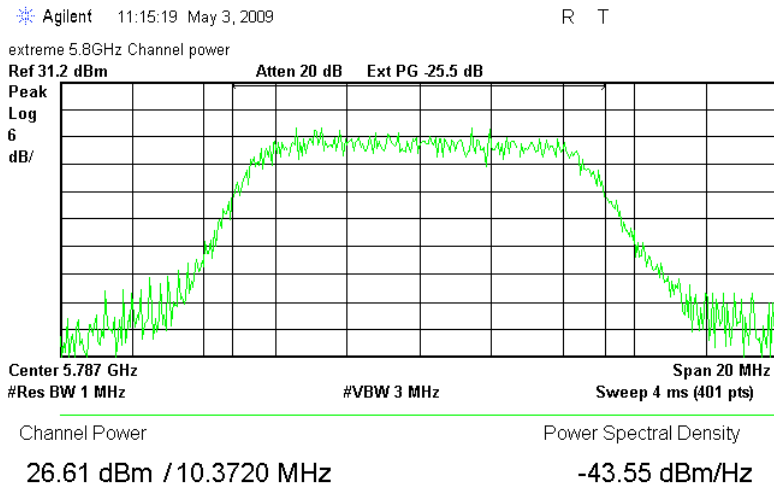
High 5847.5MHz

EUT name	BreezeMAX Extreme 5.8 Base station
Test specification	FCC p.15.247
Test name	Maximum peak output Power
Modulation	OFDM
CH BW	10MHz
Measured equipment	Agilent E4407B cal. date 30/6/2010 s/n A01508

CHAIN 1



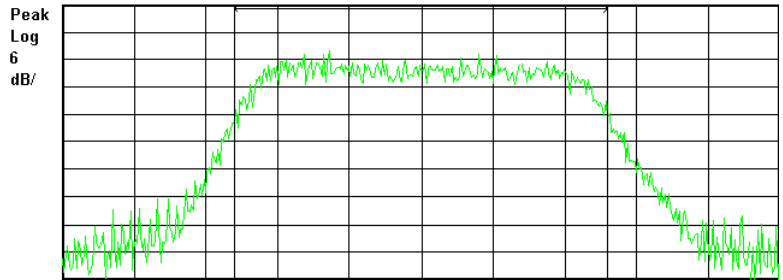
Low 5730MHz



Middle 5787.5MHz

extreme 5.8GHz Channel power

Ref 31.2 dBm Atten 20 dB Ext PG -25.5 dB



Center 5.845 GHz

Span 20 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 4 ms (401 pts)

Channel Power

Power Spectral Density

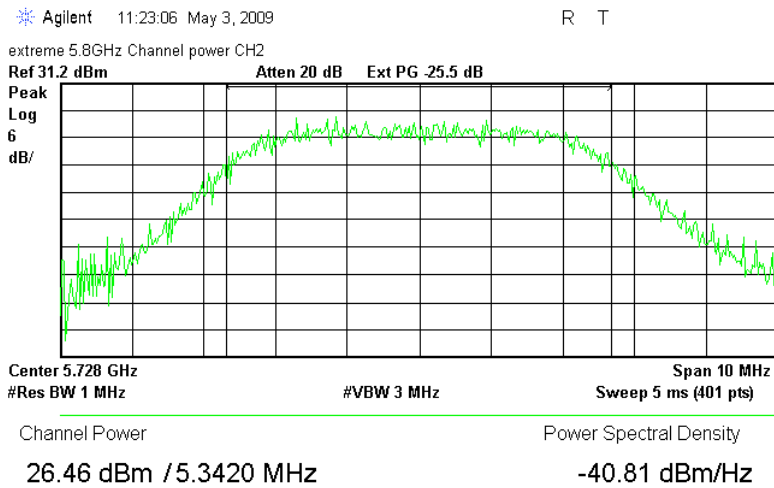
26.15 dBm / 10.3580 MHz

-44.00 dBm/Hz

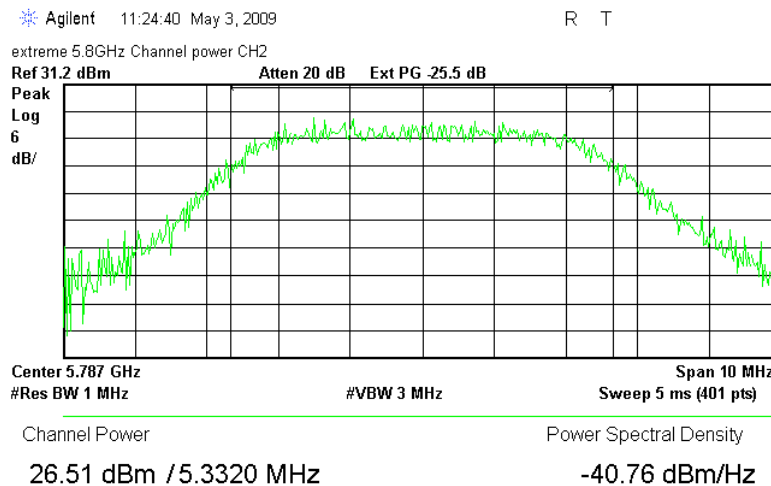
High 5845MHz

EUT name	BreezeMAX Extreme 5.8 Base station
Test specification	FCC p.15.247
Test name	Maximum peak output Power
Modulation	OFDM
CH BW	5MHz
Measured equipment	Agilent E4407B cal. date 30/6/2010 s/n A01508

CHAIN 2



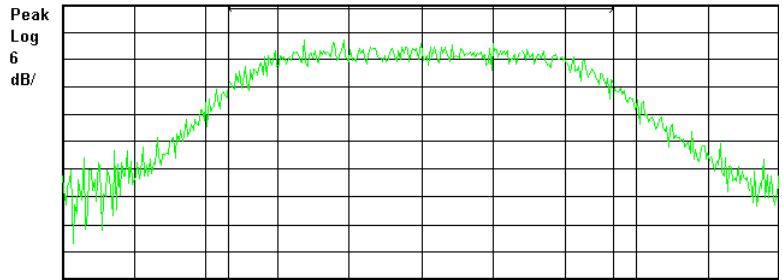
Low 5727.5MHz



Middle 5787.5MHz

extreme 5.8GHz Channel power CH2

Ref 31.2 dBm Atten 20 dB Ext PG -25.5 dB



Center 5.848 GHz Span 10 MHz
#Res BW 1 MHz #VBW 3 MHz Sweep 5 ms (401 pts)

Channel Power

Power Spectral Density

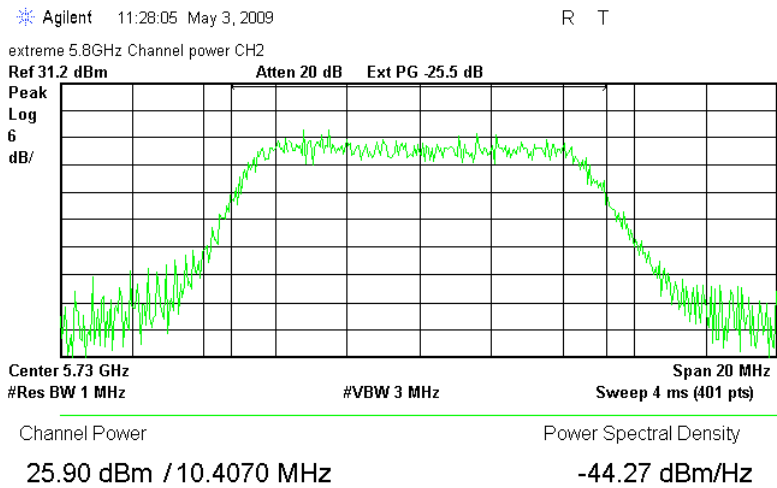
26.44 dBm / 5.3560 MHz

-40.85 dBm/Hz

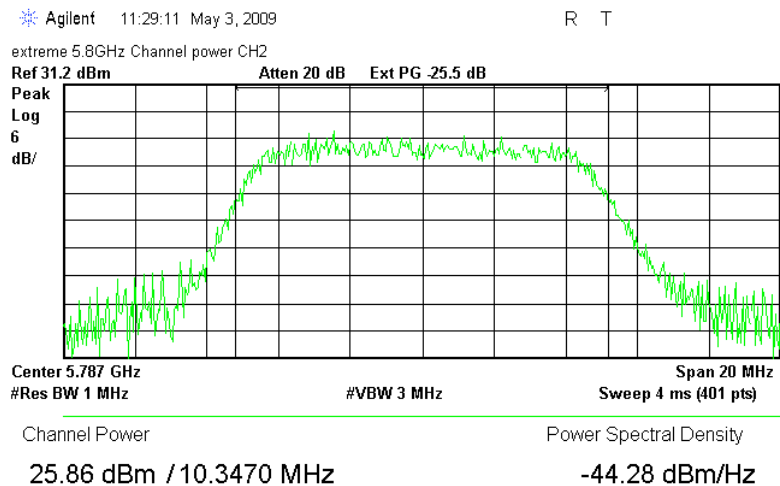
High 5847.5MHz

EUT name	BreezeMAX Extreme 5.8 Base station
Test specification	FCC p.15.247
Test name	Maximum peak output Power
Modulation	OFDM
CH BW	10MHz
Measured equipment	Agilent E4407B cal. date 30/6/2010 s/n A01508

CHAIN 2



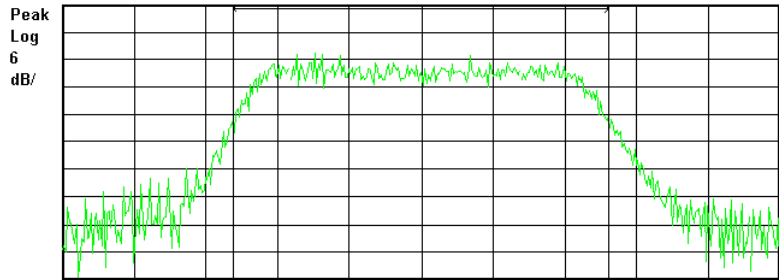
Low 5730MHz



Middle 5787.5MHz

extreme 5.8GHz Channel power CH2

Ref 31.2 dBm Atten 20 dB Ext PG -25.5 dB



Center 5.845 GHz Span 20 MHz
#Res BW 1 MHz #VBW 3 MHz Sweep 4 ms (401 pts)

Channel Power

Power Spectral Density

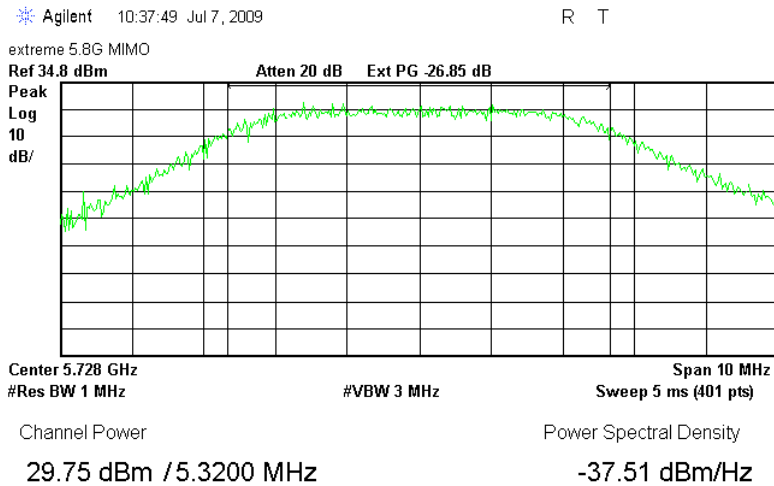
25.81 dBm / 10.4380 MHz

-44.38 dBm/Hz

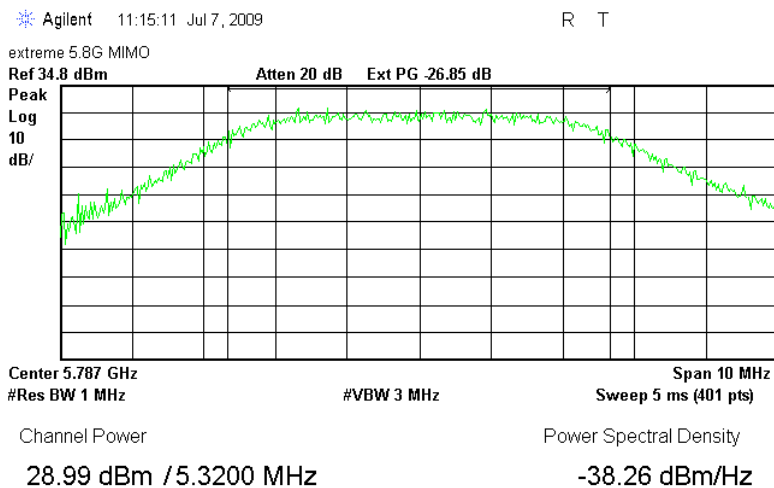
High 5845MHz

EUT name	BreezeMAX Extreme 5.8 Base station
Test specification	FCC p.15.247
Test name	Maximum peak output Power
Modulation	OFDM
CH BW	5MHz
Measured equipment	Agilent E4407B cal. date 30/6/2010 s/n A01508

MIMO



Low 5727.5MHz



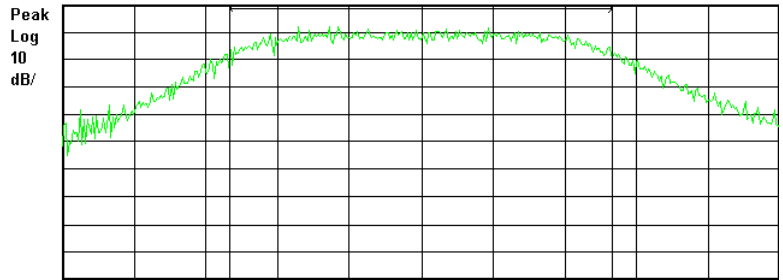
Middle 5787.5MHz

extreme 5.8G MIMO

Ref 34.8 dBm

Atten 20 dB

Ext PG -26.85 dB



Center 5.848 GHz

Span 9.94 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 5 ms (401 pts)

Channel Power

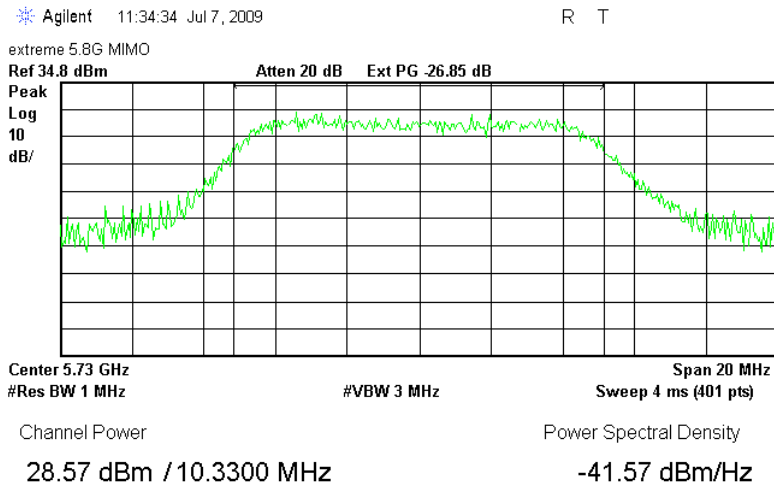
Power Spectral Density

29.64 dBm / 5.2880 MHz

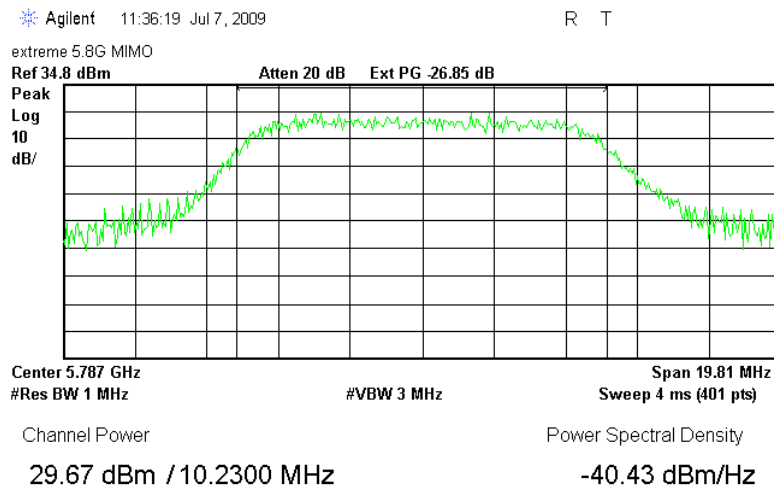
-37.59 dBm/Hz

High 5847.5MHz

EUT name	BreezeMAX Extreme 5.8 Base station
Test specification	FCC p.15.247
Test name	Maximum peak output Power
Modulation	OFDM
CH BW	10MHz
Measured equipment	Agilent E4407B cal. date 30/6/2010 s/n A01508



Low 5730MHz



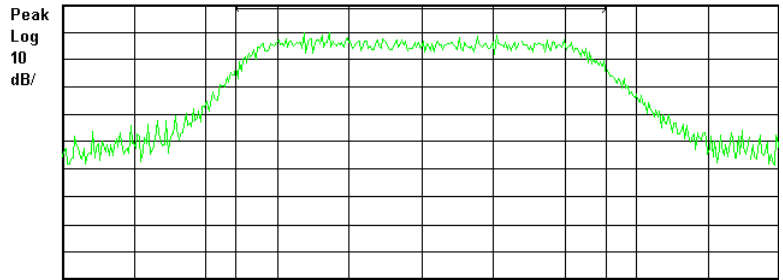
Middle 5787.5MHz

extreme 5.8G MIMO

Ref 34.8 dBm

Atten 20 dB

Ext PG -26.85 dB



Center 5.845 GHz

Span 19.81 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 4 ms (401 pts)

Channel Power

Power Spectral Density

29.58 dBm / 10.2300 MHz

-40.52 dBm/Hz

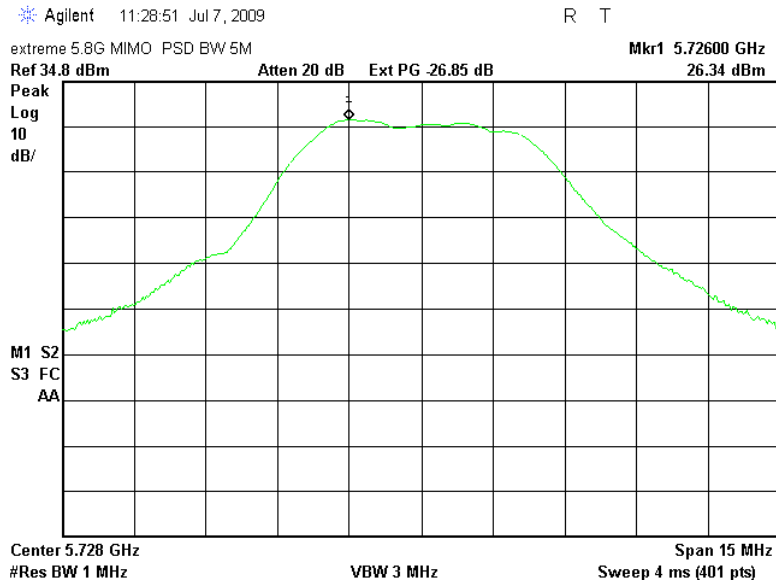
High 5845MHz

Channel Power Results

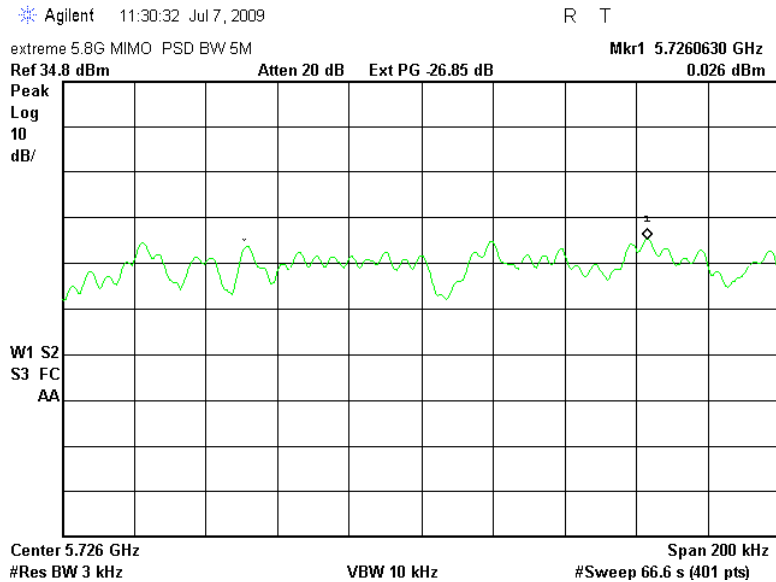
Mode Channel	Frequency (MHz)	Max power Chain1 (dBm)	Max power Chain2 (dBm)	Max power Total (dBm)	Limit (dBm)	Margin (dB)
Low 5MHz	5727.5	26.89	26.46	29.75	30	0.25
Mid 5MHz	5787.5	25.88	26.51	28.99	30	1.01
High 5MHz	5847.5	26.68	26.44	29.64	30	0.36
Low 10MHz	5730	26.31	25.90	28.57	30	1.43
Mid 10MHz	5787.5	26.61	25.86	29.67	30	0.33
High 10MHz	5845	26.15	25.81	29.58	30	0.42

PSD test results

EUT name	BreezeMAX Extreme 5.8 Base station
Test specification	FCC p.15.247
Test name	Peak power spectral density
Modulation	OFDM
CH BW	5MHz
Measured equipment	Agilent E4407B cal. date 30/6/2010 s/n A01508



Low 5727.5MHz



Low 5727.5MHz zoom

Agilent 11:24:46 Jul 7, 2009

R T

extreme 5.8G MIMO PSD BW 5M

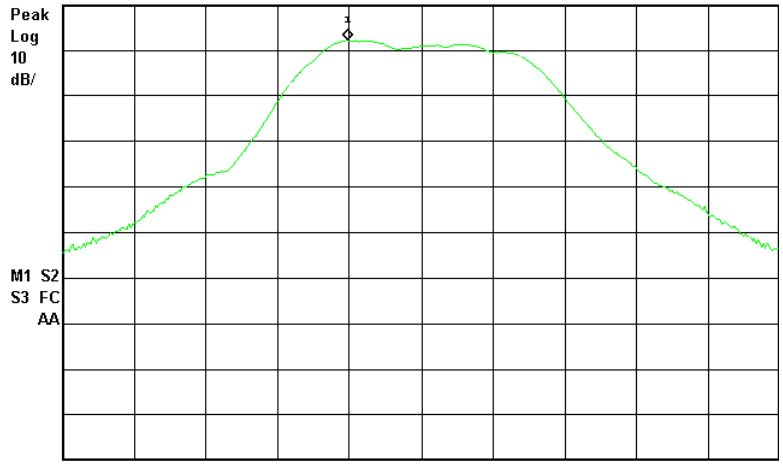
Mkr1 5.78596 GHz

Ref 34.8 dBm

Atten 20 dB

Ext PG -26.85 dB

26.98 dBm



Center 5.787 GHz

VBW 3 MHz

Span 15 MHz
Sweep 4 ms (401 pts)

Middle 5787.5MHz

Agilent 11:26:28 Jul 7, 2009

R T

extreme 5.8G MIMO PSD BW 5M

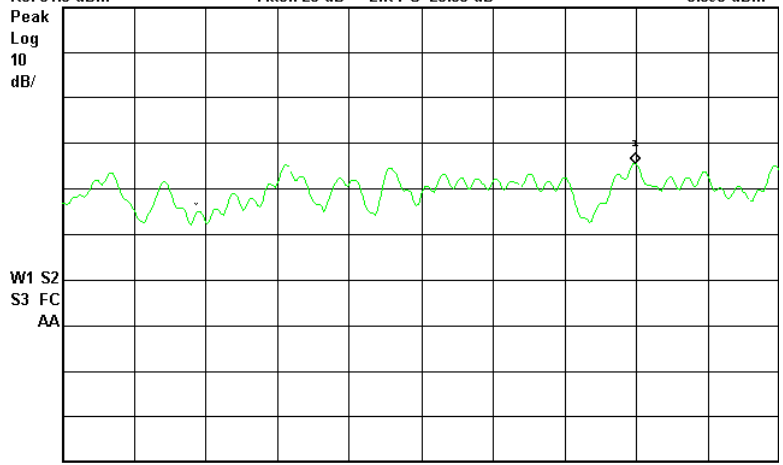
Mkr1 5.7860195 GHz

Ref 34.8 dBm

Atten 20 dB

Ext PG -26.85 dB

0.398 dBm



Center 5.786 GHz

VBW 10 kHz

Span 200 kHz
#Sweep 66.6 s (401 pts)

Middle 5787.5MHz zoom

Agilent 11:20:42 Jul 7, 2009

R T

extreme 5.8G MIMO PSD BW 5M

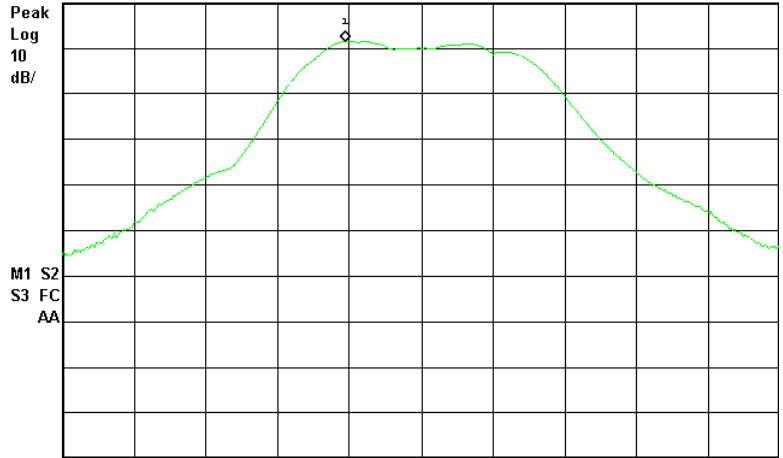
Mkr1 5.84593 GHz

Ref 34.8 dBm

Atten 20 dB

Ext PG -26.85 dB

26.44 dBm



Center 5.848 GHz
#Res BW 1 MHz

VBW 1 MHz

Span 15 MHz
Sweep 4 ms (401 pts)

High 5847.5MHz

Agilent 11:23:13 Jul 7, 2009

R T

extreme 5.8G MIMO PSD BW 5M

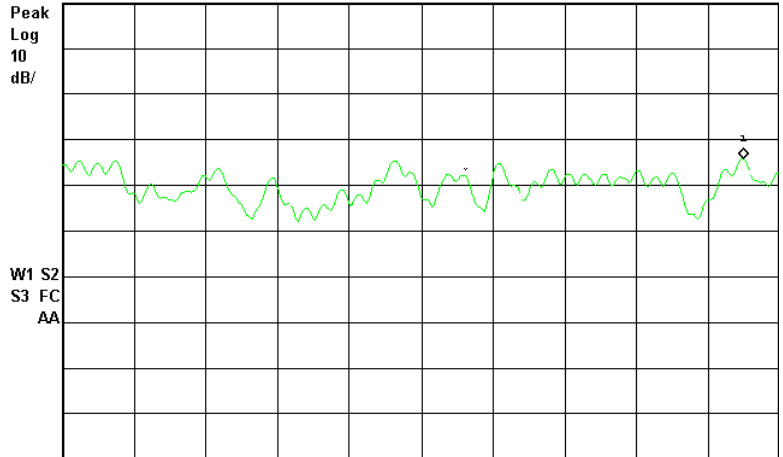
Mkr1 5.8460200 GHz

Ref 34.8 dBm

Atten 20 dB

Ext PG -26.85 dB

0.61 dBm



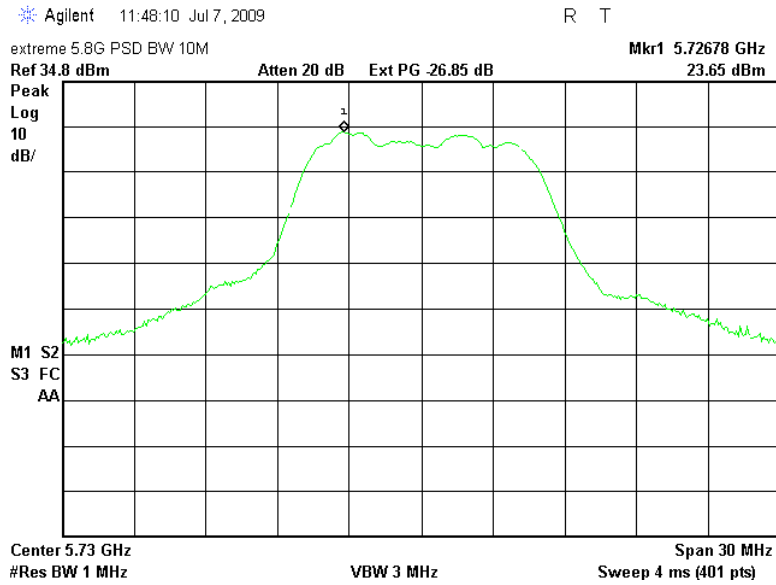
Center 5.846 GHz
#Res BW 3 kHz

VBW 10 kHz

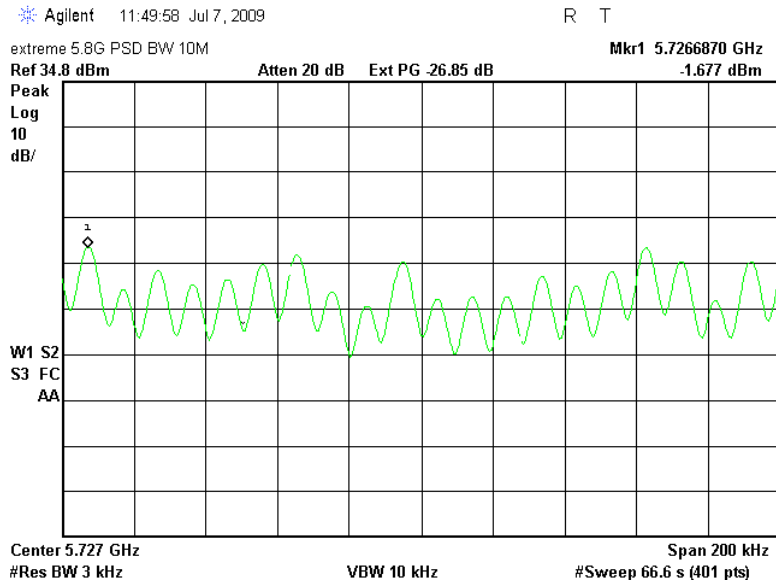
Span 200 kHz
#Sweep 66.6 s (401 pts)

High 5847.5MHz zoom

EUT name	BreezeMAX Extreme 5.8 Base station
Test specification	FCC p.15.247
Test name	Peak power spectral density
Modulation	OFDM
CH BW	10MHz
Measured equipment	Agilent E4407B cal. date 30/6/2010 s/n A01508



Low 5730MHz



Low 5730MHz zoom

Agilent 11:44:51 Jul 7, 2009

R T

extreme 5.8G PSD BW 10M

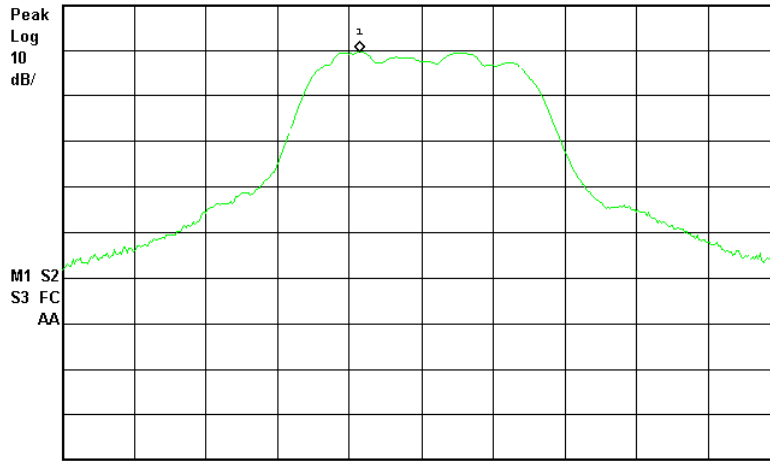
Mkr1 5.78495 GHz

Ref 34.8 dBm

Atten 20 dB

Ext PG -26.85 dB

24.54 dBm



Middle 5787.5MHz

Agilent 11:46:53 Jul 7, 2009

R T

extreme 5.8G PSD BW 10M

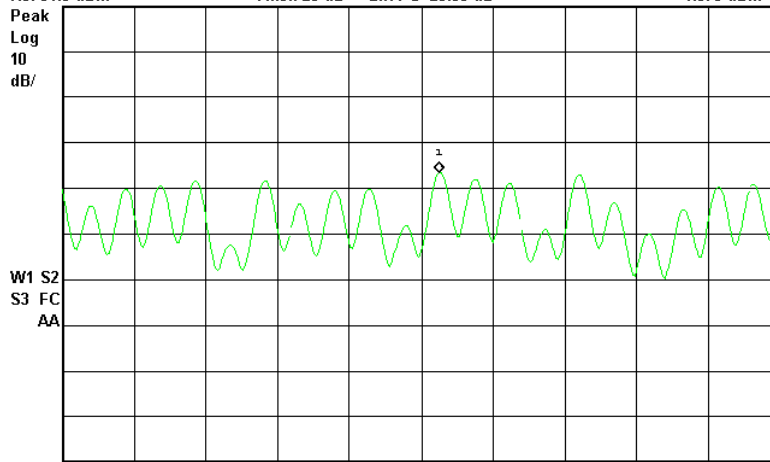
Mkr1 5.7849550 GHz

Ref 34.8 dBm

Atten 20 dB

Ext PG -26.85 dB

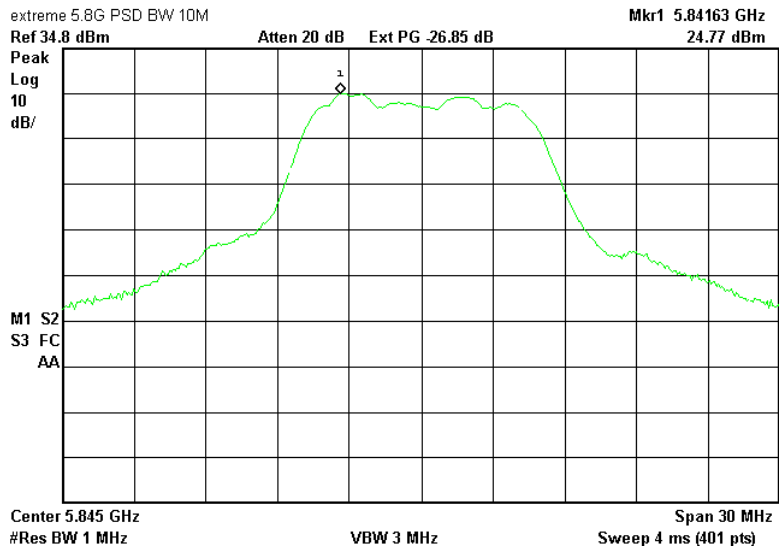
-1.876 dBm



Middle 5787.5MHz zoom

Agilent 11:40:33 Jul 7, 2009

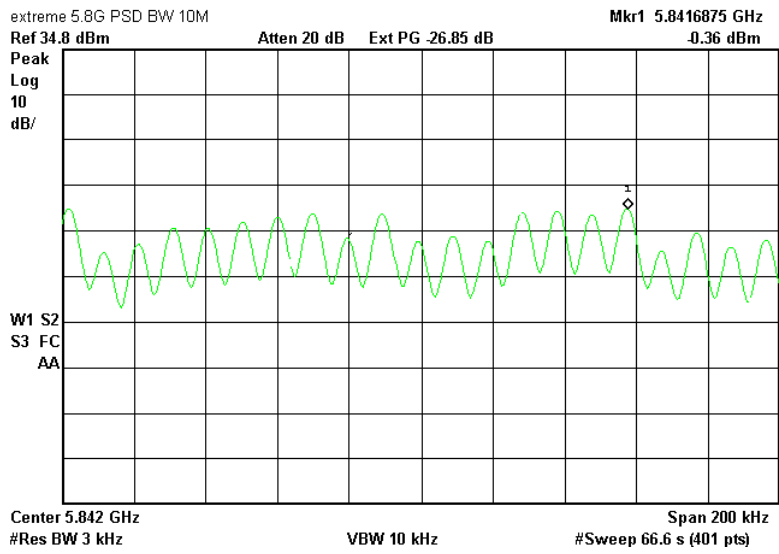
R T



Top 5845MHz

Agilent 11:42:31 Jul 7, 2009

R T



Top 5845MHz zoom

Channel Power Results

Mode Channel	Frequency (MHz)	Max power Chain1 (dBm)	Max power Chain2 (dBm)	Max power Total (dBm)	Limit (dBm)	Margin (dB)
Low 5MHz	5727.5	26.89	26.46	29.75	30	0.25
Mid 5MHz	5787.5	25.88	26.51	28.99	30	1.01
High 5MHz	5847.5	26.68	26.44	29.64	30	0.36
Low 10MHz	5730	26.31	25.90	28.57	30	1.43
Mid 10MHz	5787.5	26.61	25.86	29.67	30	0.33
High 10MHz	5845	26.15	25.81	29.58	30	0.42

PSD Results With Combiner

Mode Channel	Frequency (MHz)	PPSD Using Combiner (dBm/MHz)	Limit (dBm/MHz)	Margin (dB)
Low 5MHz	5727.5	0.026	8	7.974
Mid 5MHz	5787.5	0.398	8	7.602
High 5MHz	5847.5	0.61	8	7.39
Low 10MHz	5730	-1.677	8	9.677
Mid 10MHz	5787.5	-1.786	8	9.786
High 10MHz	5845	-0.36	8	8.36