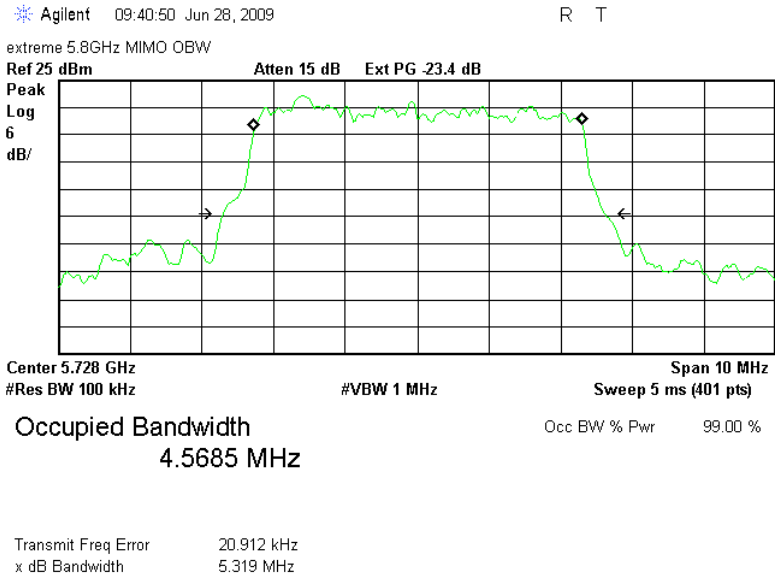
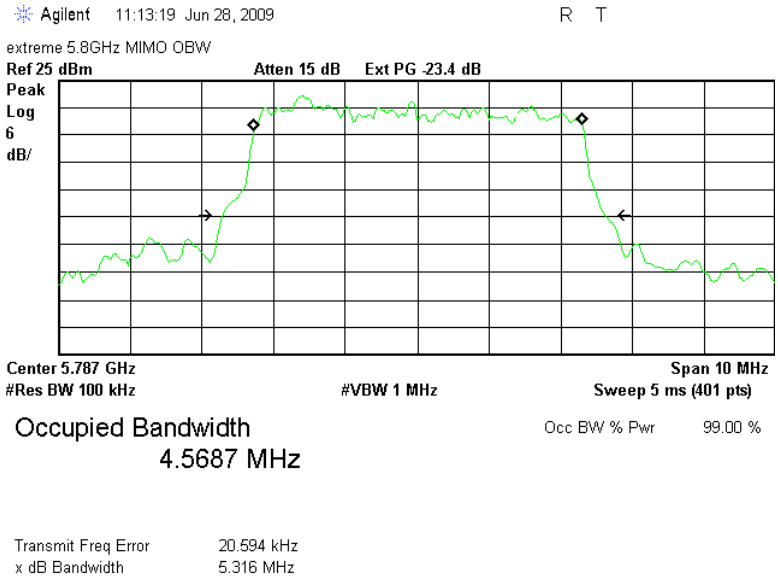
29/06/09
Alvarion Ltd.
BreezeMAX Extreme 5.8 Base station
Model: EXTR-BS-2SIS-5.8-Ext
FCC ID:LKT-EXTR-58

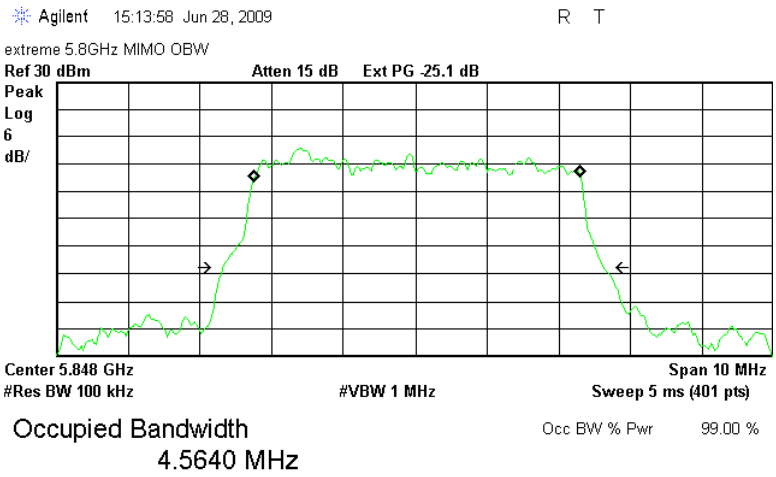
EUT name	BreezeMAX Extreme 5.8 Base station
Test specification	**FCC p.15.247**
Test name	**Occupied BW-26dB**
Modulation	**OFDM**
CH BW	**5MHz**
Measured equipment	**Agilent E4407B cal. date 30/6/2010 s/n A01508**



Low 5727.5MHz

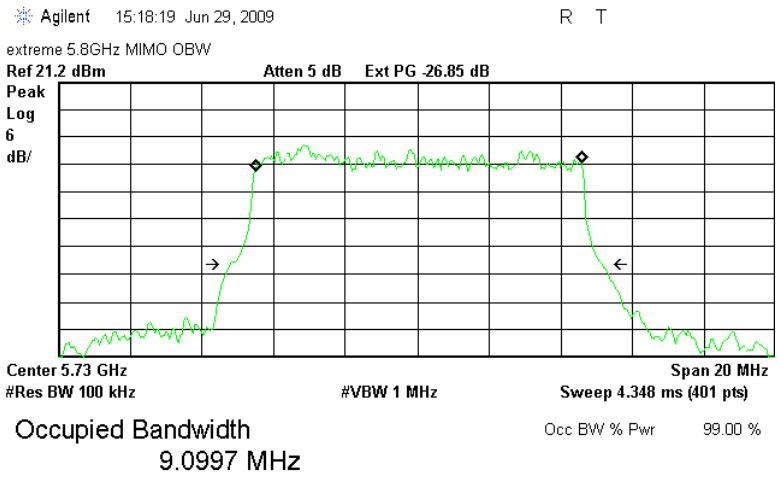


Middle 5787.5MHz

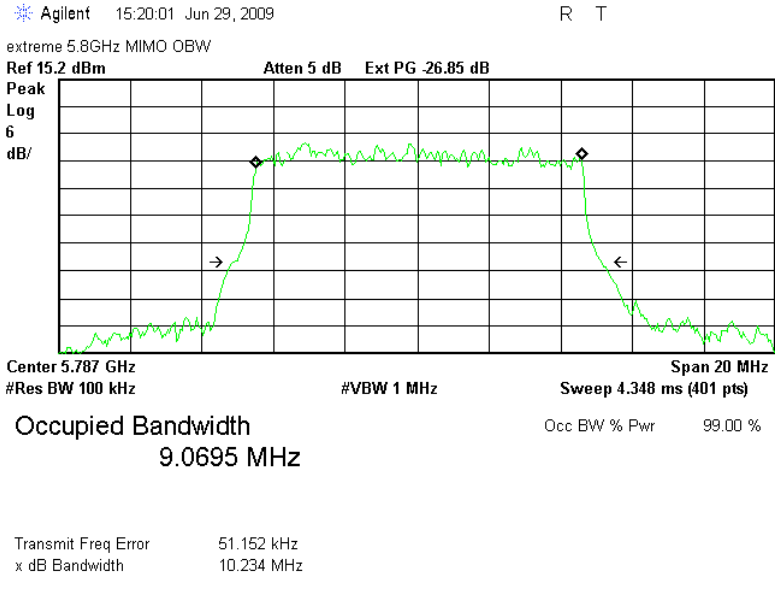


High 5847.5MHz

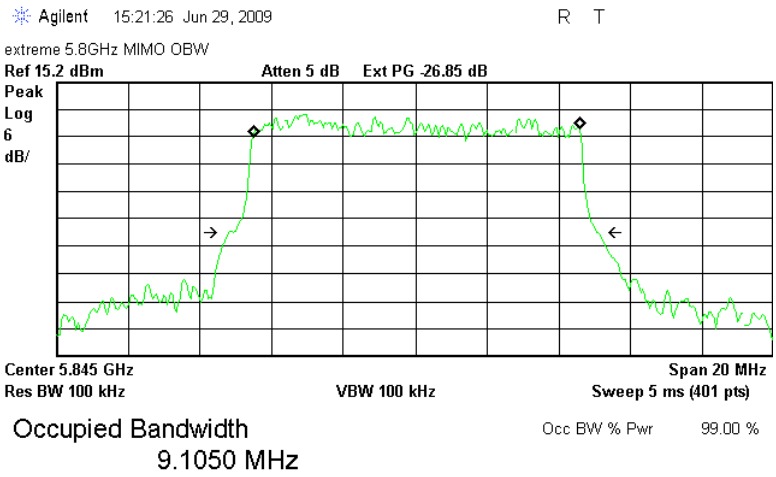
EUT name	BreezeMAX Extreme 5.8 Base station
Test specification	**FCC p.15.247**
Test name	**Occupied BW-26dB**
Modulation	**OFDM**
CH BW	**10MHz**
Measured equipment	**Agilent E4407B cal. date 30/6/2010 s/n A01508**



Low 5730MHz



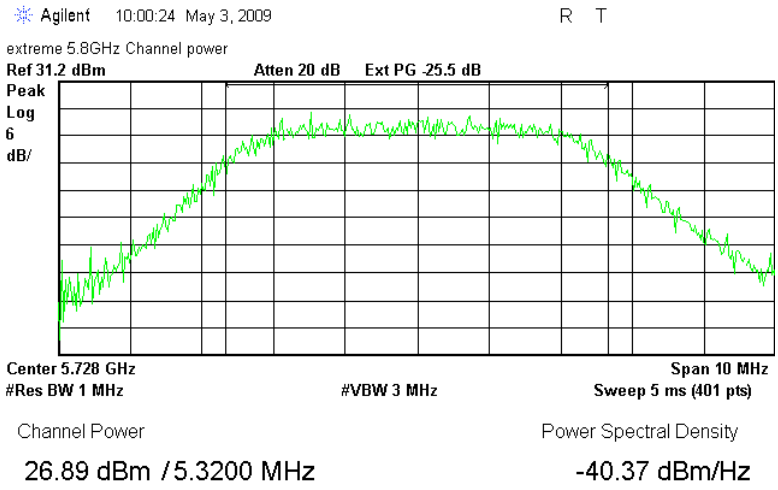
Middle 5787.5MHz



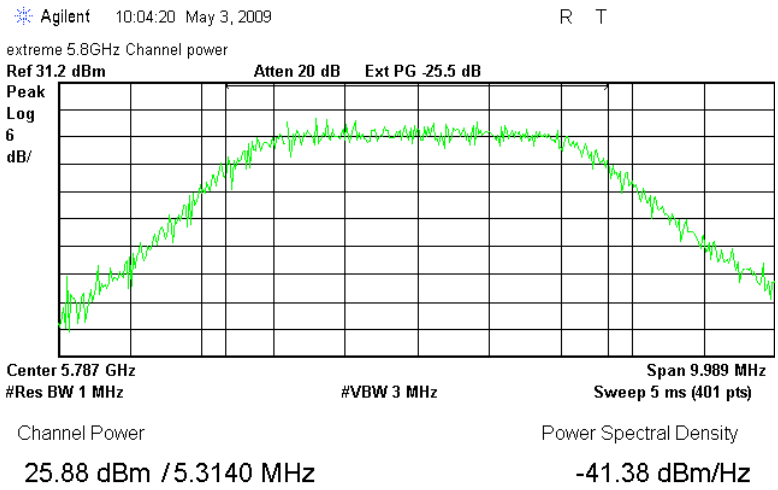
High 5845MHz

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**

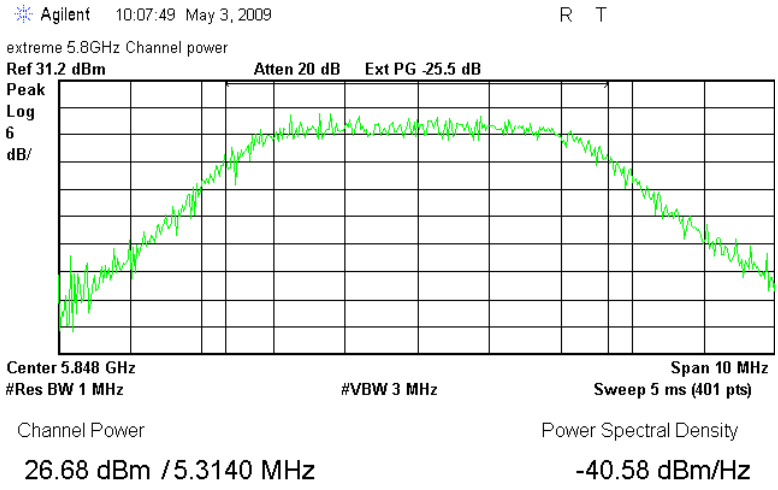
CHAIN 1



Low 5727.5MHz



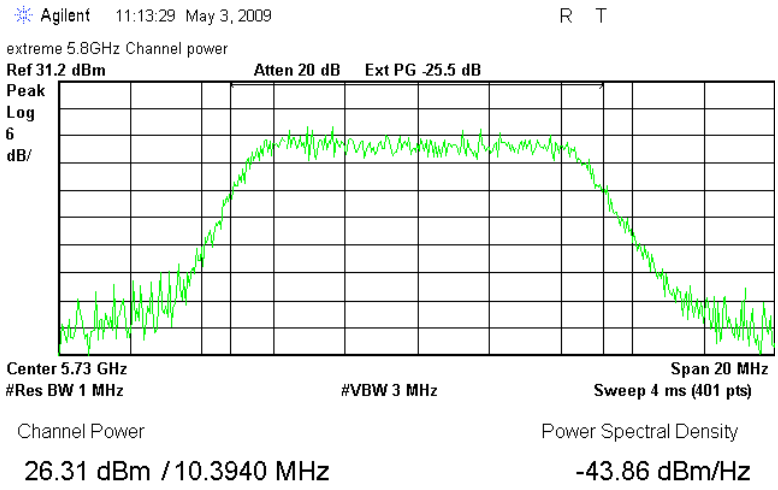
Middle 5787.5MHz



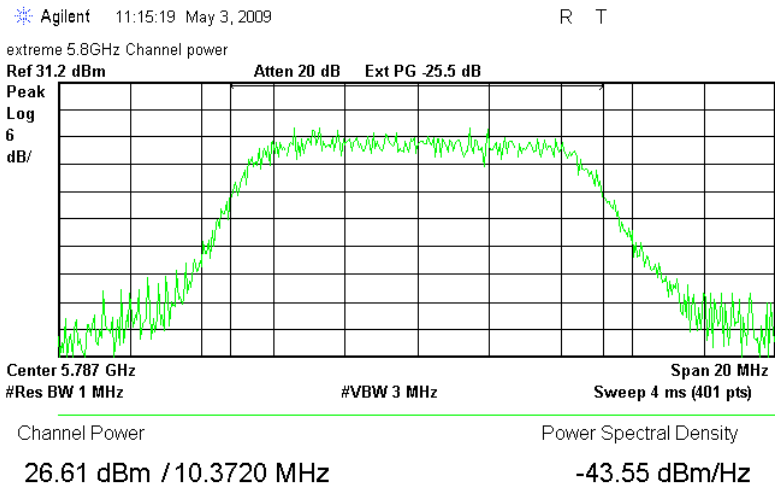
High 5847.5MHz

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**

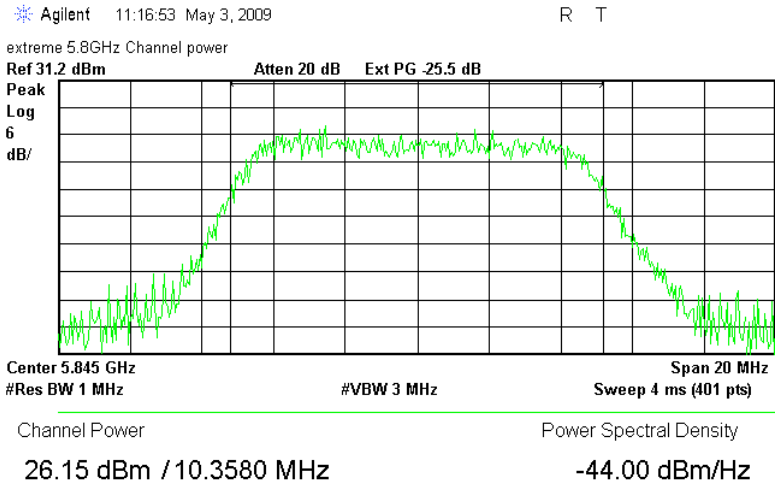
CHAIN 1



Low 5730MHz



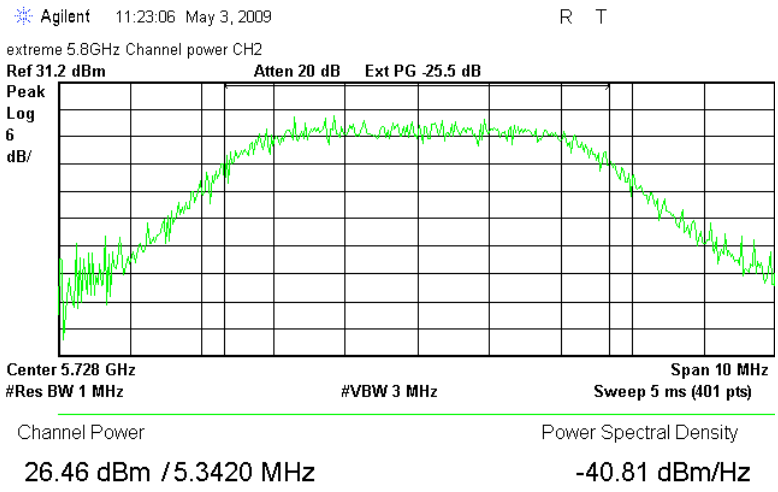
Middle 5787.5MHz



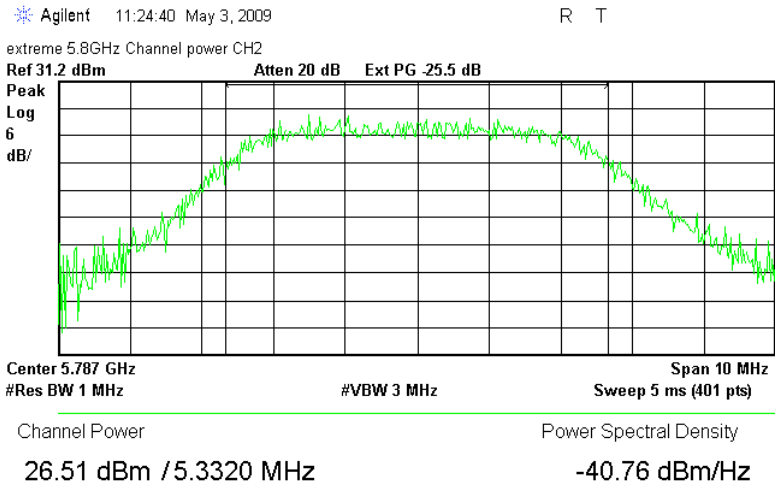
High 5845MHz

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**

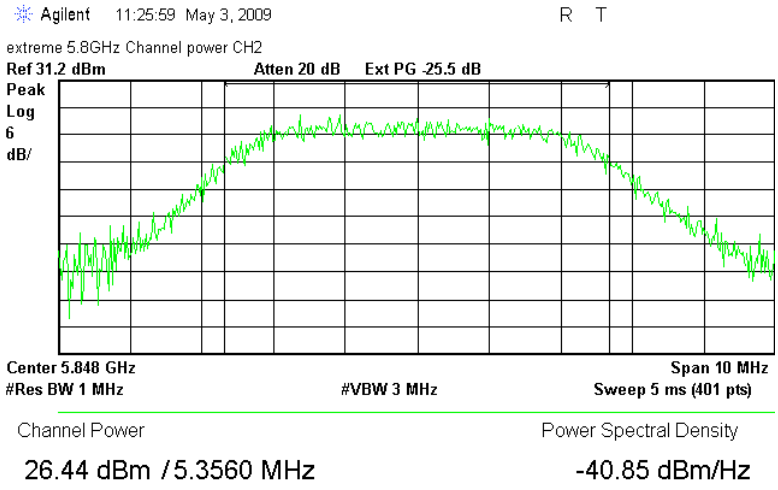
CHAIN 2



Low 5727.5MHz



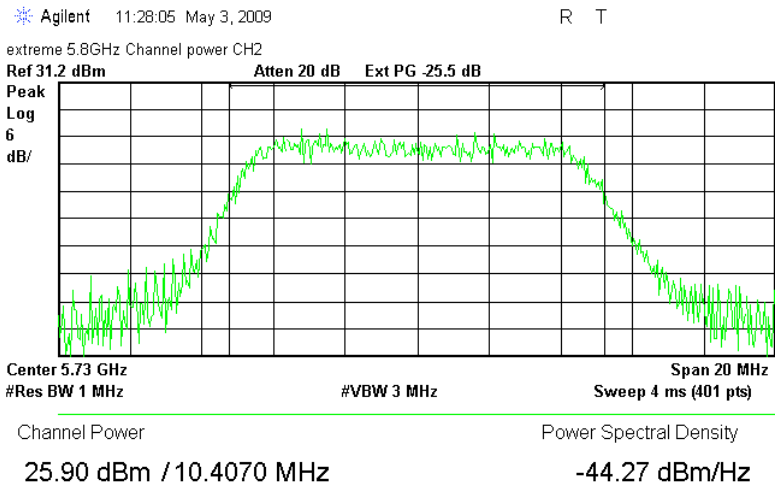
Middle 5787.5MHz



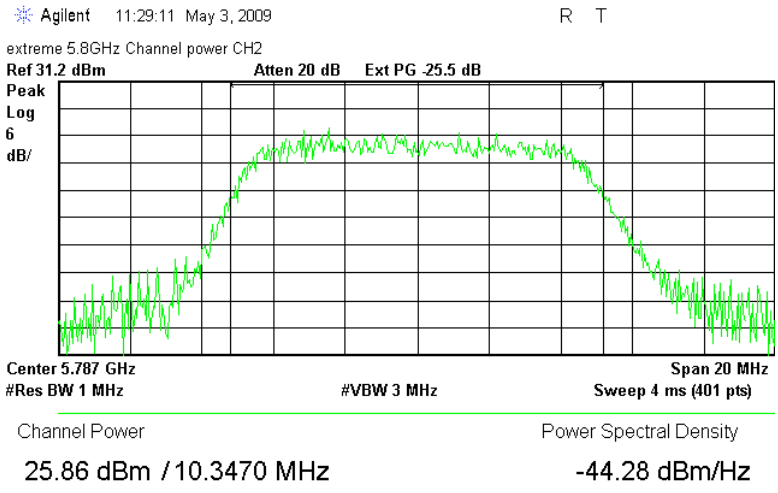
High 5847.5MHz

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**

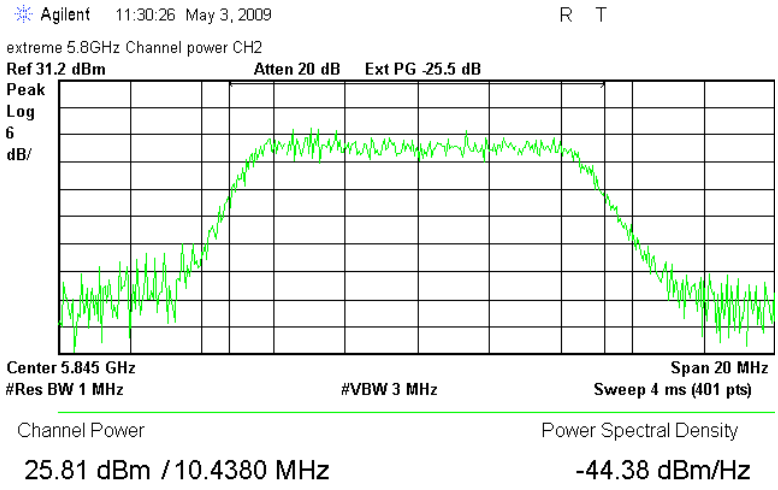
CHAIN 2



Low 5730MHz



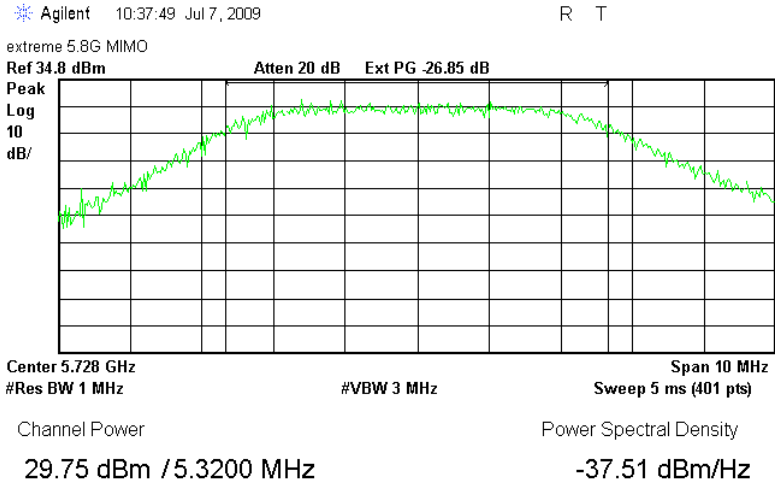
Middle 5787.5MHz



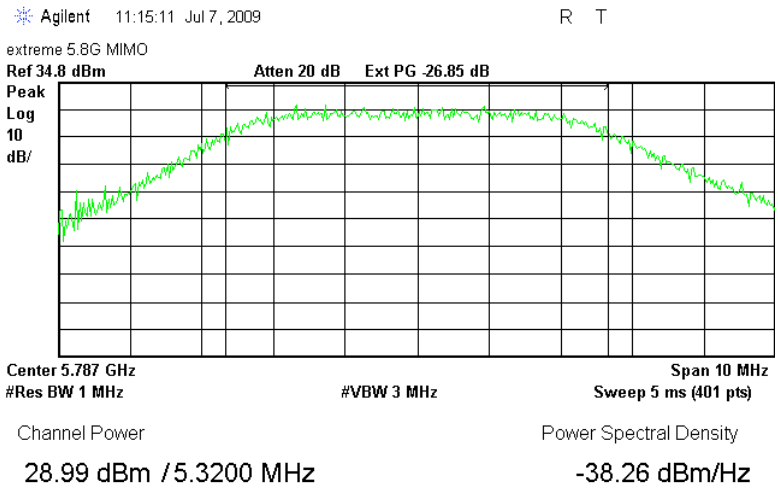
High 5845MHz

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**

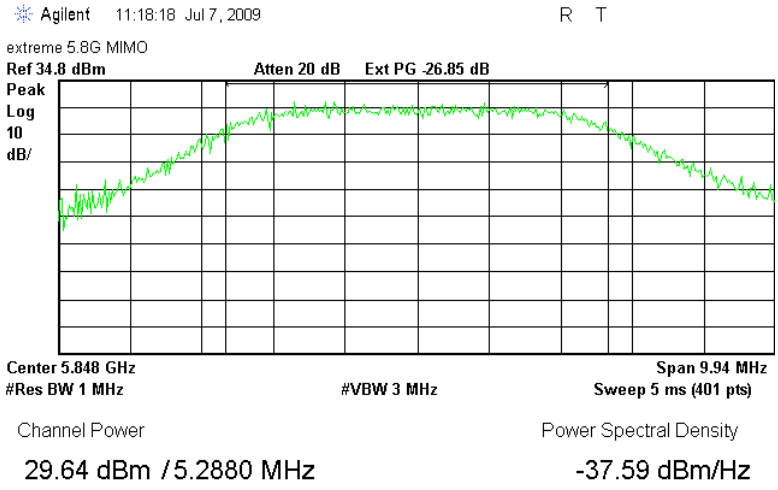
MIMO



Low 5727.5MHz

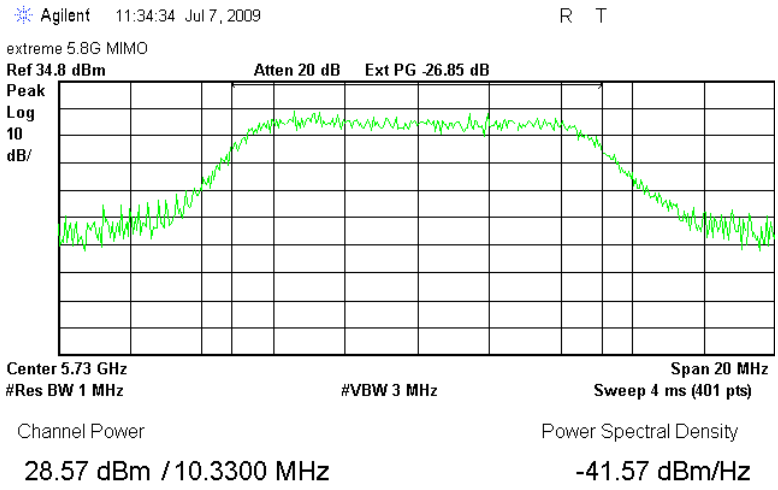


Middle 5787.5MHz

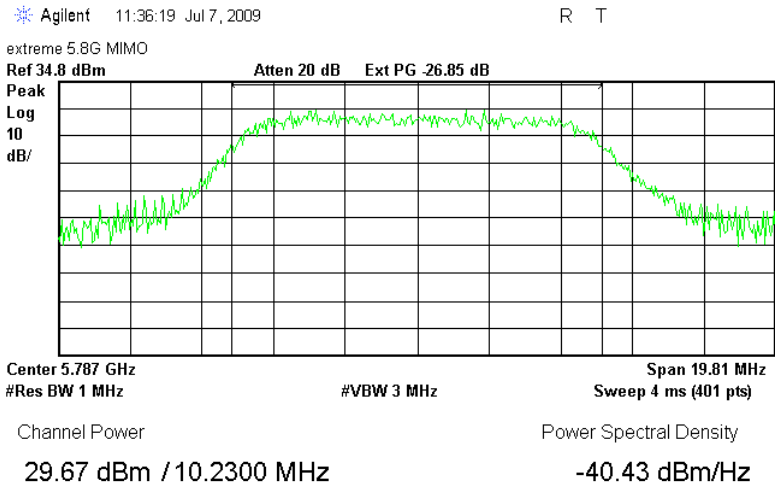


High 5847.5MHz

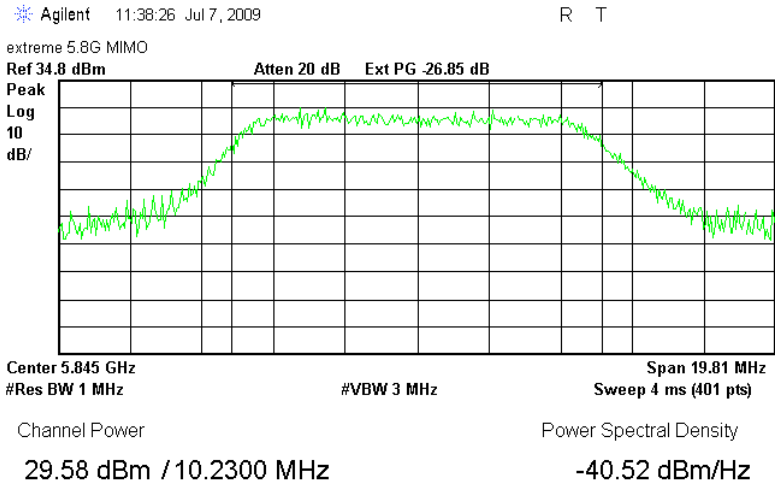
EUT name	BreezeMAX Extreme 5.8 Base station
Test specification	**FCC p.15.247**
Test name	**Maximum peak output Power**
Modulation	**OFDM**
CH BW	**10MHz**
Measured equipment	**Agilent E4407B cal. date 30/6/2010 s/n A01508**



Low 5730MHz



Middle 5787.5MHz



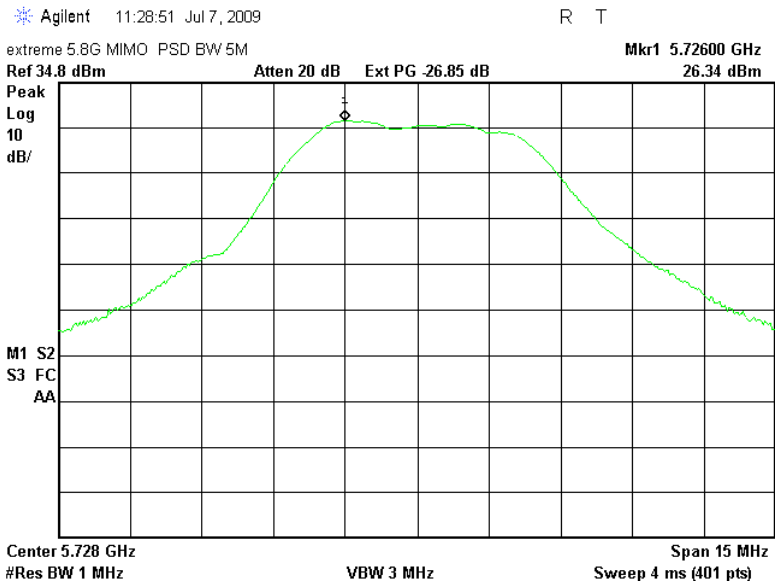
High 5845MHz

Channel Power Results

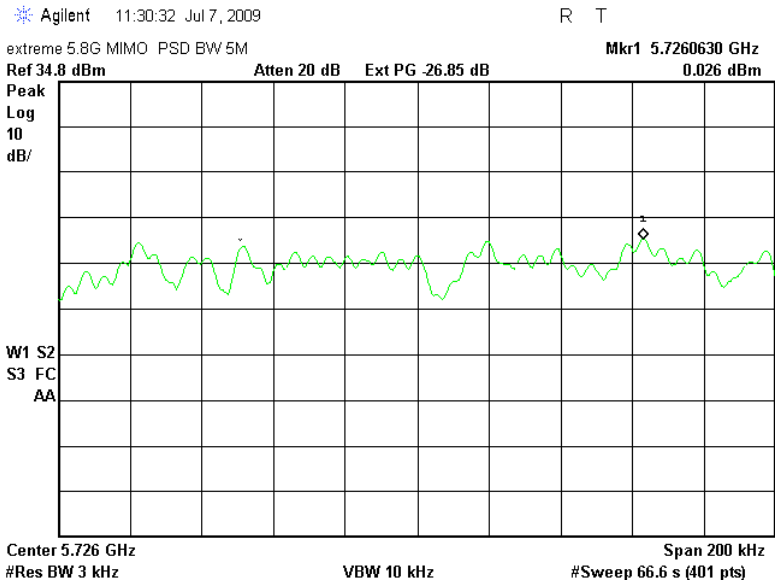
Mode Channel	Frequency (MHz)	Max power Chain1 (dBm)	Max power Chain2 (dBm)	Max power Total (dBm)	Limit (dBm)	Margin (dB)
Low 5MHz	5727.5	26.89	26.46	29.75	30	0.25
Mid 5MHz	5787.5	25.88	26.51	28.99	30	1.01
High 5MHz	5847.5	26.68	26.44	29.64	30	0.36
Low 10MHz	5730	26.31	25.90	28.57	30	1.43
Mid 10MHz	5787.5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

PSD test results

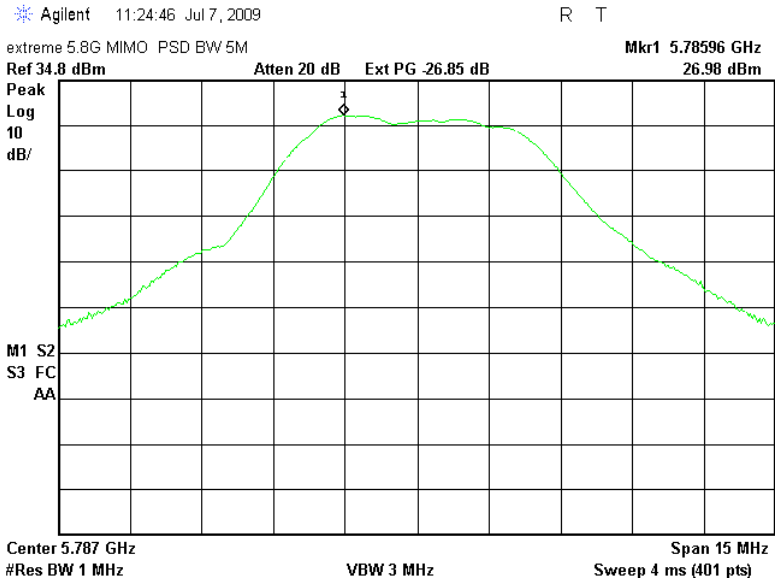
EUT name	BreezeMAX Extreme 5.8 Base station
Test specification	**FCC p.15.247**
Test name	**Peak power spectral density**
Modulation	**OFDM**
CH BW	**5MHz**
Measured equipment	**Agilent E4407B cal. date 30/6/2010 s/n A01508**



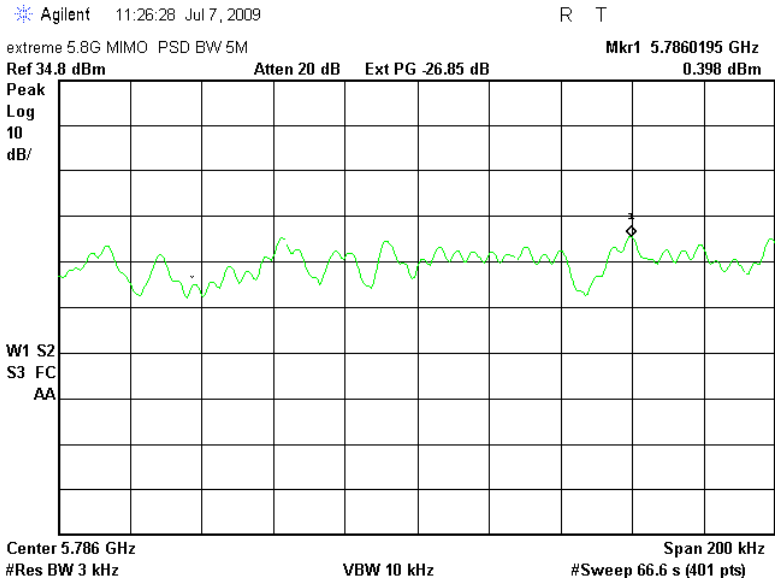
Lowe 5727.5MHz



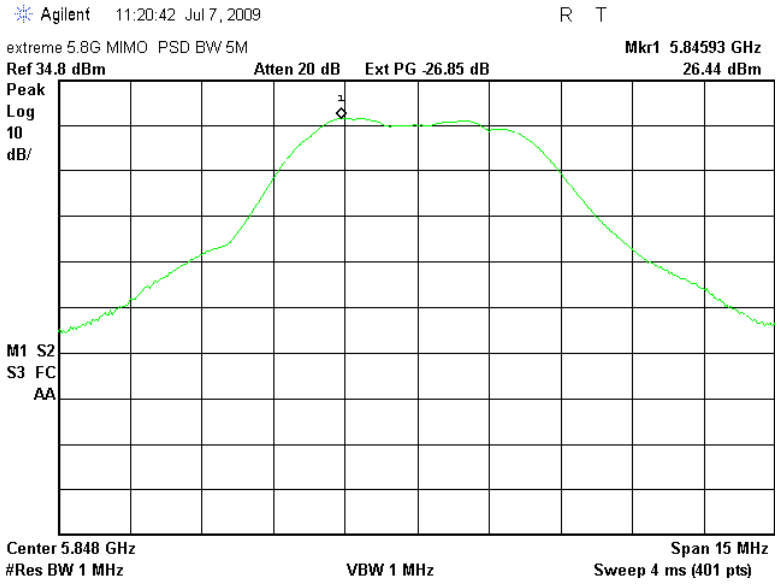
Low 5727.5MHz zoom



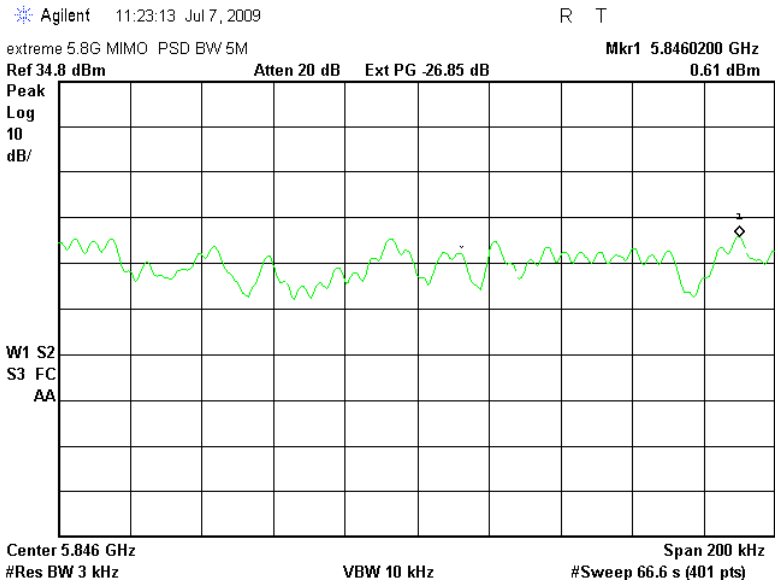
Middle 5787.5MHz



Middle 5787.5MHz zoom

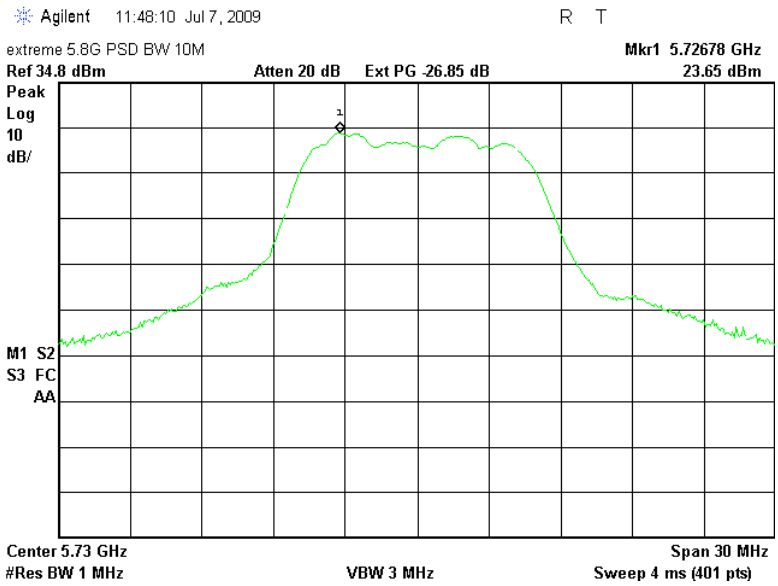


High 5847.5MHz

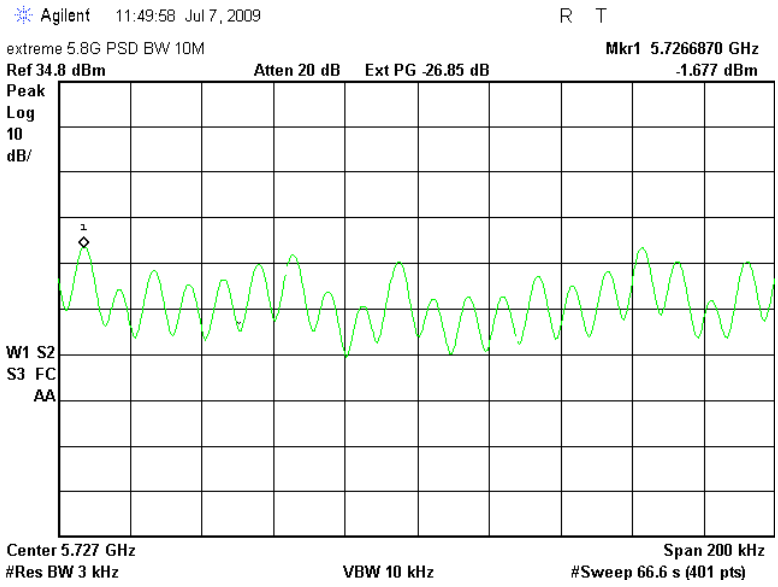


High 5847.5MHz zoom

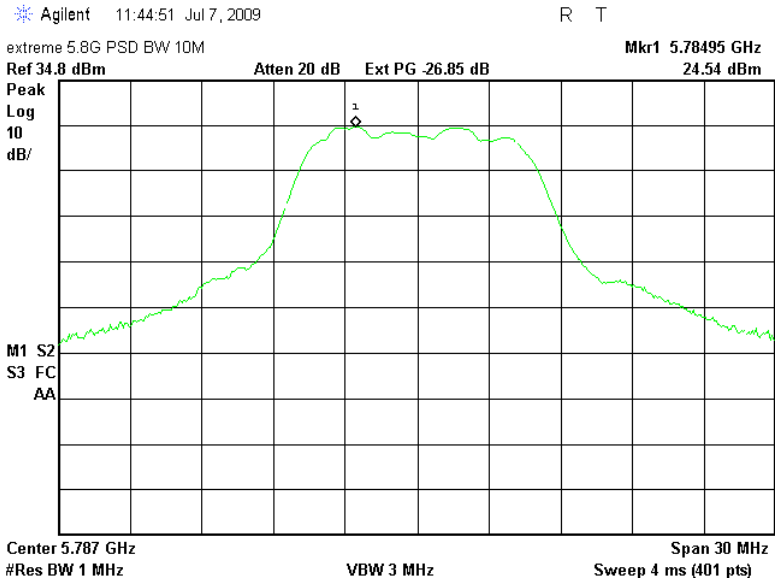
EUT name	BreezeMAX Extreme 5.8 Base station
Test specification	**FCC p.15.247**
Test name	**Peak power spectral density**
Modulation	**OFDM**
CH BW	**10MHz**
Measured equipment	**Agilent E4407B cal. date 30/6/2010 s/n A01508**



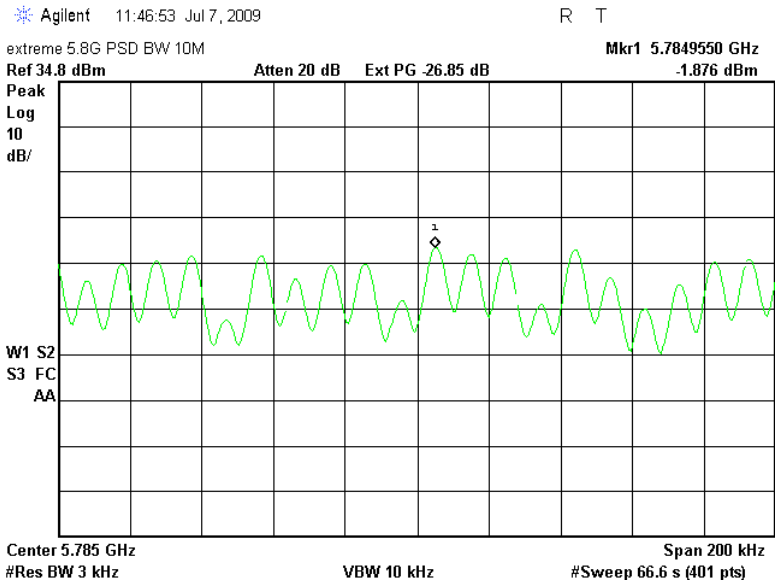
Low 5730MHz



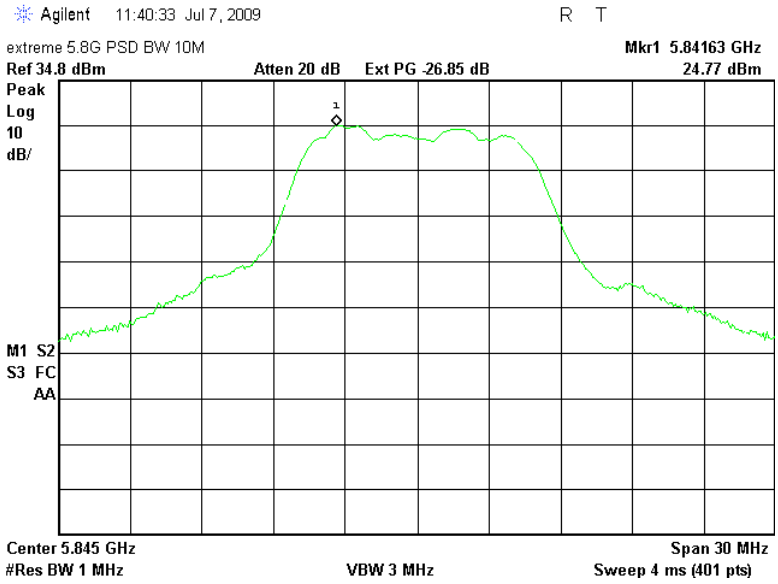
Low 5730MHz zoom



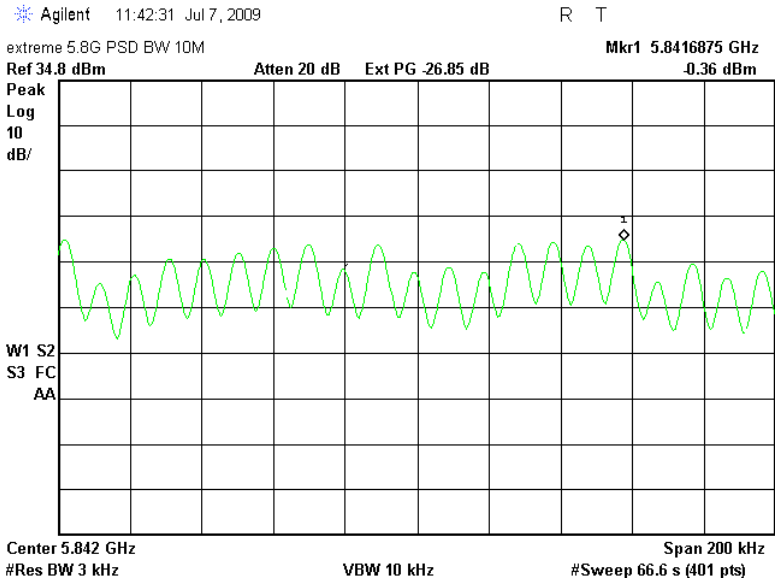
Middle 5787.5MHz



Middle 5787.5MHz zoom



Top 5845MHz



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
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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