Emission frequencies 1~40 GHz

Test Mode: Normal, Channel 05, Transmit Rate: 6Mbps

Test Date: Feb. 17, 2005 Temperature: 23□ Humidity: 69% Atmospheric pressure: 1028mmHg

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Remark	Table Deg.	Ant High (m)
1198.00	H	61.06	-5.12	55.94	74.0	-18.06	Peak	148	1.2
1198.00	H	50.73	-5.12	45.61	54.0	-8.39	Ave	148	1.2
10520.00	H	---	15.84	---	68.3	---	Peak	---	---
1198.00	V	64.56	-5.62	58.94	74.0	-15.06	Peak	149	1.1
1198.00	V	54.31	-5.62	48.69	54.0	-5.30	Ave	149	1.1
2309.00	V	54.10	0.27	54.37	68.3	-13.96	Peak	184	1.1
5950.00	V	55.11	9.42	64.53	68.3	-3.77	Peak	184	1.1
10526.00	V	50.14	15.34	65.44	68.3	-2.86	Peak	191	1.1

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120 kHz and video bandwidth is 300 kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too below to be measured.

Emission frequencies 1~40 GHz

Test Mode: Normal, Channel 08, Transmit Rate: 6Mbps

Test Date: Feb. 17, 2005 Temperature: 23□ Humidity: 69% Atmospheric pressure: 1028mmHg

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Remark	Table Deg.	Ant High (m)
1198.00	H	61.26	-5.12	56.14	74.0	-7.86	Peak	152	1.2
1198.00	H	51.14	-5.12	46.02	54.0	-7.98	Ave	152	1.2
10640.00	H	---	16.04	---	54.0	---	Ave	---	---
1198.00	V	64.56	-5.62	58.94	74.0	-15.06	Peak	157	1.1
1198.00	V	53.97	-5.62	48.35	54.0	-5.65	Ave	157	1.1
2309.00	V	54.10	0.27	54.37	68.3	-13.93	Peak	181	1.1
5950.00	V	55.11	9.42	64.53	68.3	-3.77	Peak	187	1.1
10640.00	V	50.14	15.54	65.68	74.0	-8.32	Peak	189	1.1
10640.00	V	36.02	15.54	51.56	54.0	-2.44	Ave	189	1.1

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120 kHz and video bandwidth is 300 kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too below to be measured.

Emission frequencies 1~40 GHz

Test Mode: Normal, Channel 09, Transmit Rate: 6Mbps

Test Date: Feb. 17, 2005 Temperature: 23□ Humidity: 69% Atmospheric pressure: 1028mmHg

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Remark	Table Deg.	Ant High (m)
1198.00	H	60.55	-5.12	55.43	74	-18.57	Peak	151	1.1
1198.00	H	50.12	-5.12	45.00	54	-9.00	Peak	151	1.1
11490.00	H	---	17.05	---	54	---	Ave	---	---
1198.00	V	64.03	-5.62	58.41	74	-15.59	Peak	147	1.1
1198.00	V	53.84	-5.62	48.22	54	-5.78	Ave	147	1.1
11505.00	V	50.90	16.55	67.45	74	-6.55	Peak	187	1.1
11505.00	V	34.92	16.55	51.47	54	-2.53	Ave	187	1.1

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120 kHz and video bandwidth is 300 kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too below to be measured.

Emission frequencies 1~40 GHz

Test Mode: Normal, Channel 12, Transmit Rate: 6Mbps

Test Date: Feb. 17, 2005 Temperature: 23□ Humidity: 69% Atmospheric pressure: 1028mmHg

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Remark	Table Deg.	Ant High (m)
1198.00	H	60.38	-5.12	55.26	74	-18.74	Peak	144	1.2
1198.00	H	50.74	-5.12	45.62	54	-8.38	Ave	144	1.2
11610.00	H	---	18.12	---	54	---	Ave	---	---
1198.00	V	64.14	-5.62	58.52	74	-15.48	Peak	142	1.1
1198.00	V	55.01	-5.62	49.39	54	-4.61	Ave	142	1.1
3849.00	V	52.68	5.46	58.14	74	-15.86	Peak	149	1.1
3849.00	V	43.11	5.46	48.57	54	-5.43	Ave	149	1.1
11610.00	V	---	17.62	---	54	---	Ave	---	---

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120 kHz and video bandwidth is 300 kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too below to be measured.

Photographs of Radiated Emission Test

Front View

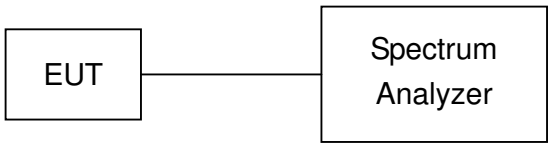
Rear View

7. Peak Transmit Power

7.1. Test Procedure

The antenna port (RF output) of the EUT was connected to the input (RF input) of a spectrum analyzer. Power was read directly from the spectrum analyzer and cable loss connection was added to the reading to obtain power at the EUT antenna terminal. The EUT Output Power was set to maximum to produce the worse case test result.

7.2. Test Setup Layout



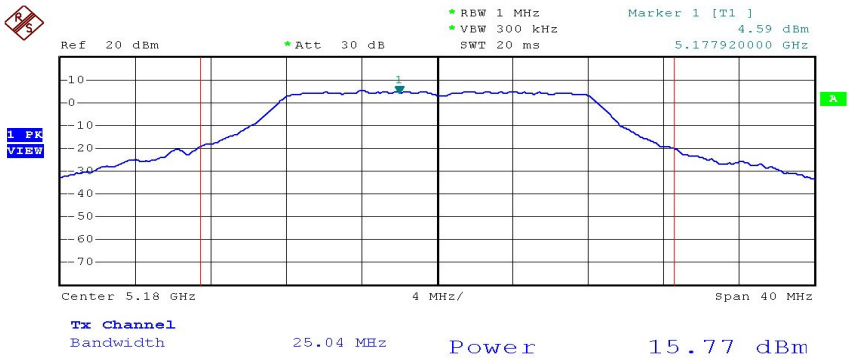
7.3. Test Result and Data

Test Mode: Normal, Transmit Rate: 6Mbps

Test Date: Feb. 15, 2005 Temperature: 27℃ Humidity: 62% Atmospheric pressure: 1031mmHg

Channel	Frequency (MHz)	Peak Power Output (dBm)	Peak Power Output (mW)	26dB Occupied Bandwidth (MHz)
1	5180	15.77	37.76	25.04
4	5240	15.83	38.28	25.04
5	5260	15.88	38.73	24.96
8	5320	15.93	39.17	24.96
9	5745	16.02	39.99	26.00
12	5805	15.84	38.37	26.16

Peak Transmit Power



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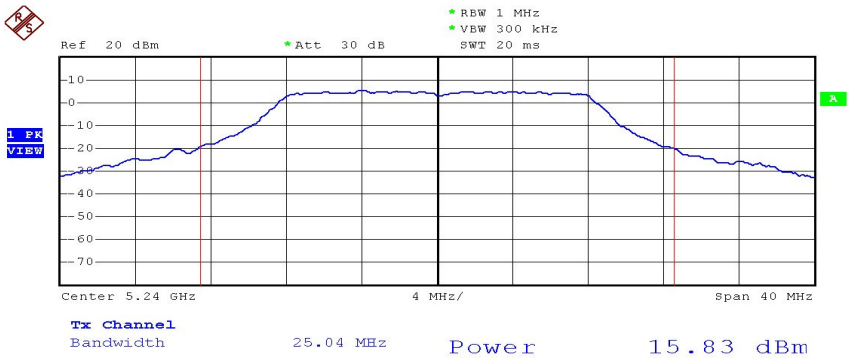

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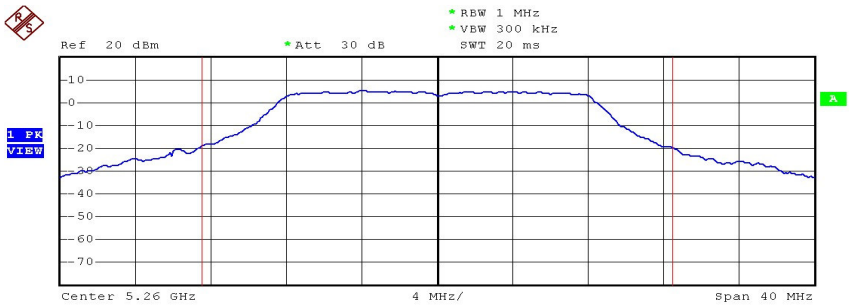

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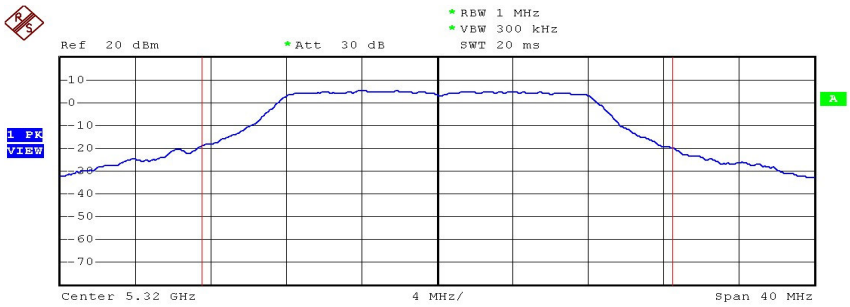

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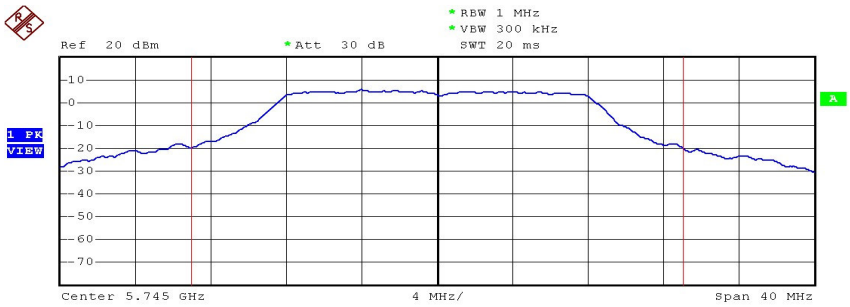

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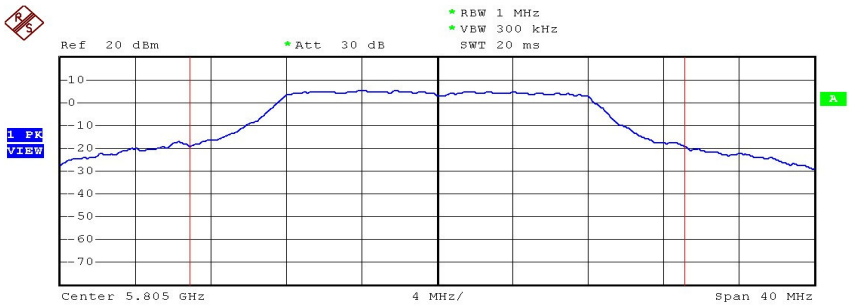

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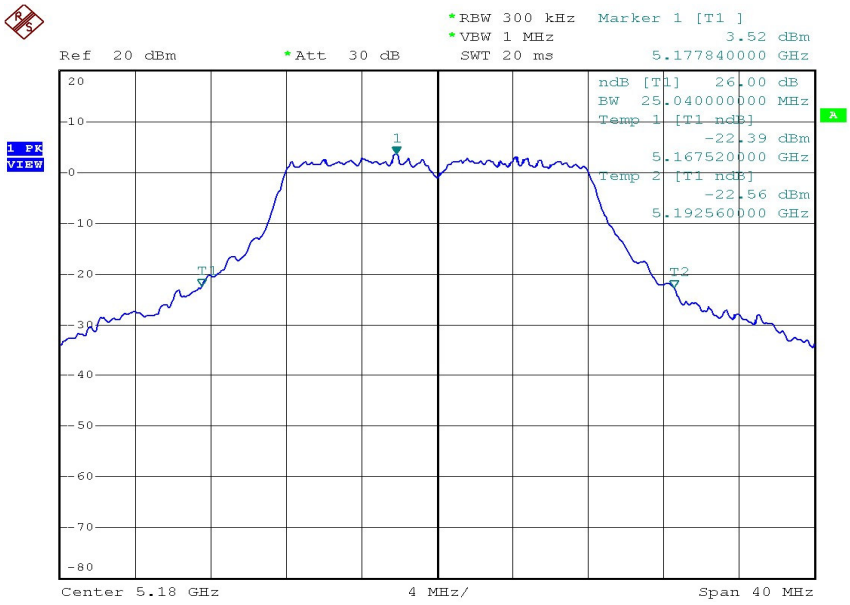
26dB Occupied Bandwidth (MHz)



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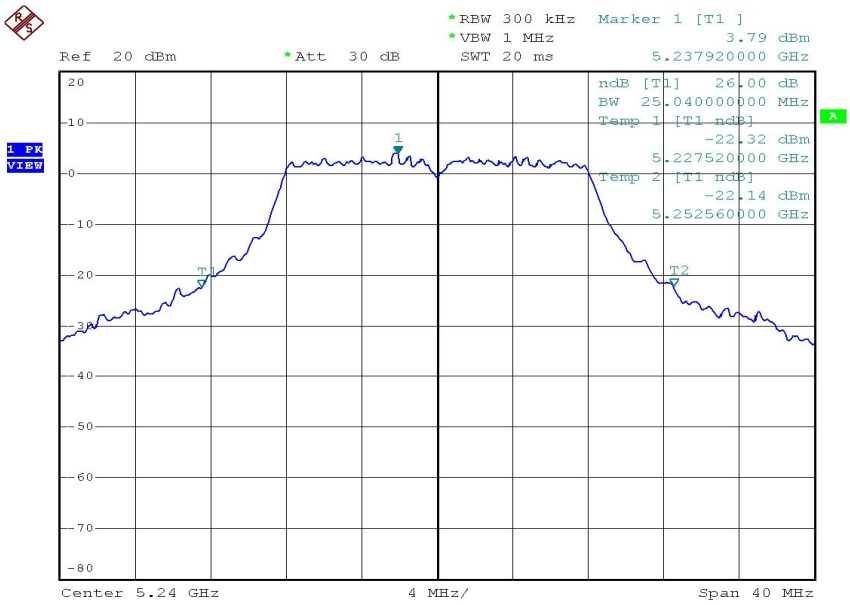

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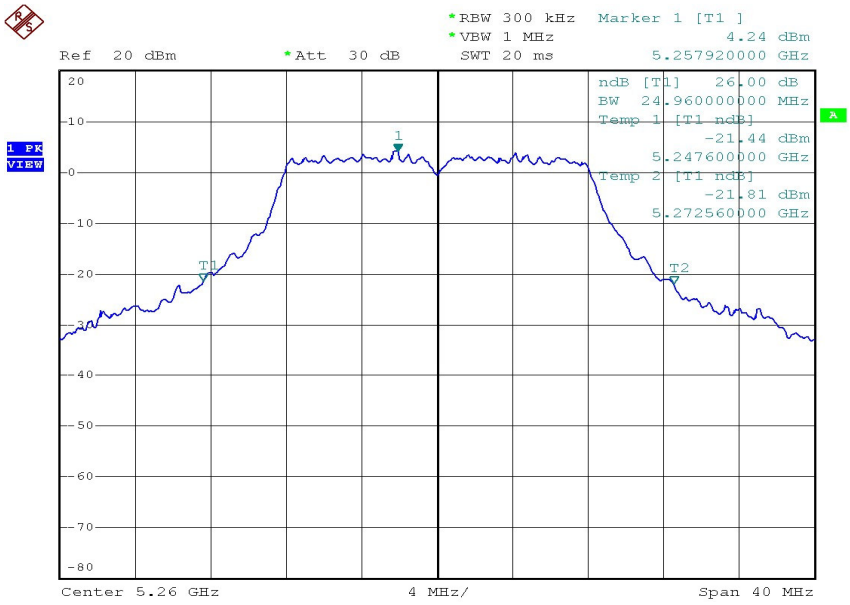

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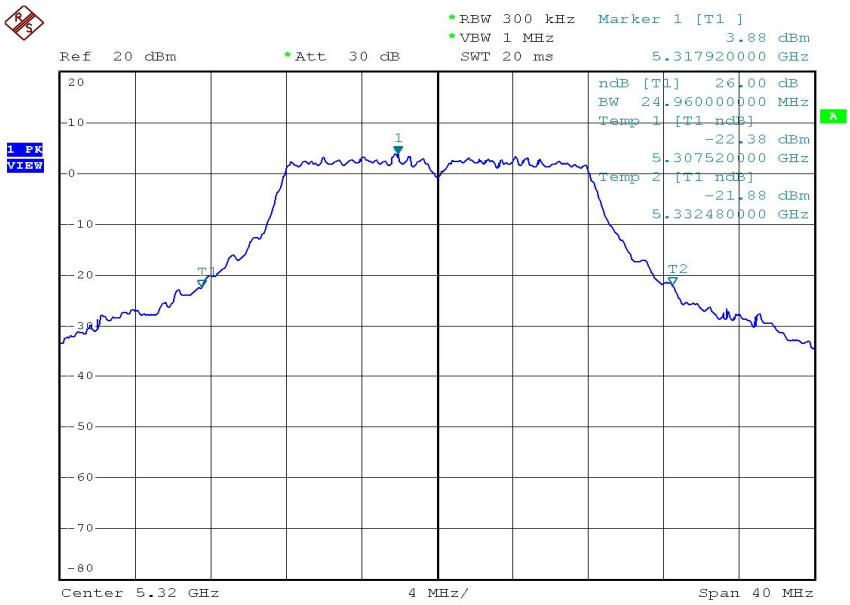

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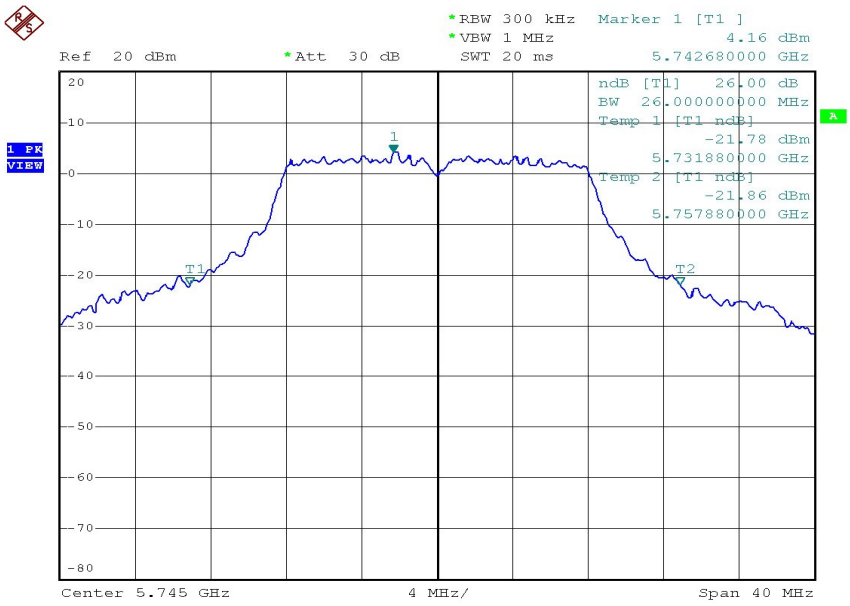

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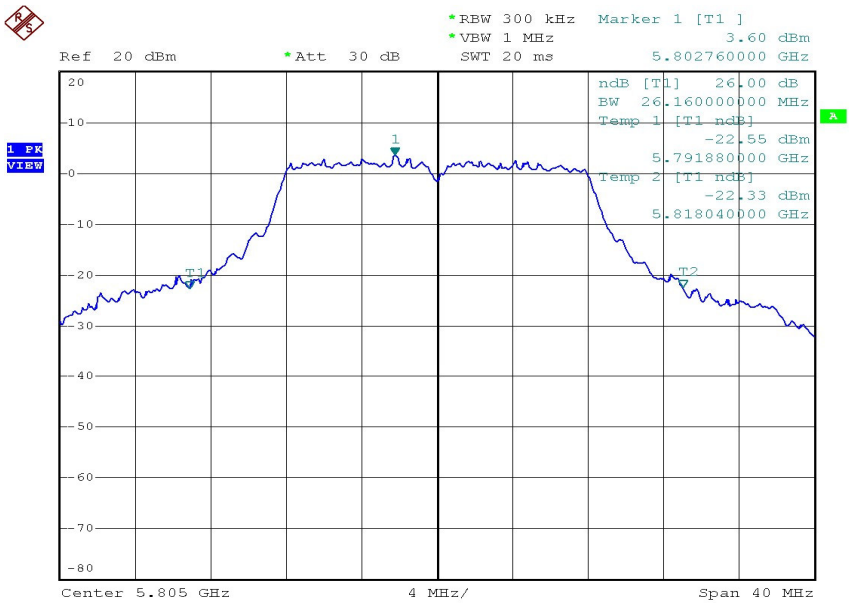

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8. Peak Power Excursion

8.1. Test Procedure

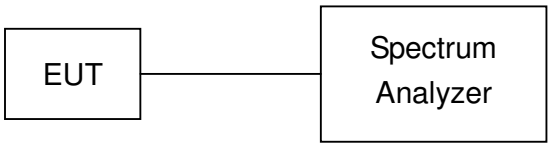
1.The transmitter output was connected to the spectrum analyzer.

2.Using Peak detector and max-hold function for Trace 1 MHz and VBW to 3 MHz for Trace 1.

3.Set RBW of spectrum analyzer to 1 MHz and VBW to 3 MHz for Trace 1.
Set RBW of spectrum analyzer to 1 MHz and VBW to 300 kHz for Trace 2.

4.The largest difference between Trace 1 and Trace 2 in any 1 MHz band on any frequency was recorded.

8.2. Test Setup Layout

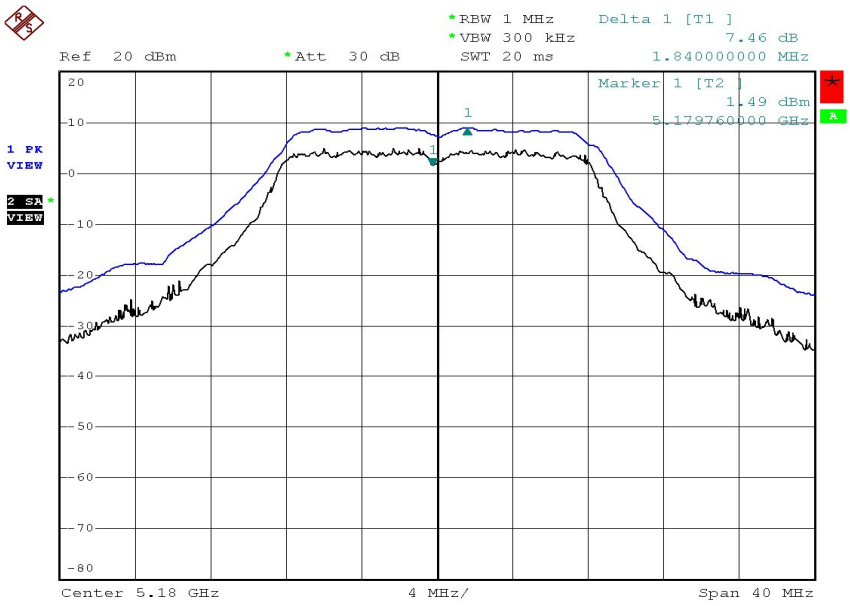


8.3. Test Result and Data

Test Mode: Normal, Transmit Rate: 6Mbps

Test Date: Feb. 15, 2005 Temperature: 27℃ Humidity: 62% Atmospheric pressure: 1031mmHg

Channel	Frequency (MHz)	Peak Power Excursion (dBm)
1	5180	7.46
4	5240	7.16
5	5260	7.19
8	5320	6.69
9	5745	7.00
12	5805	7.14



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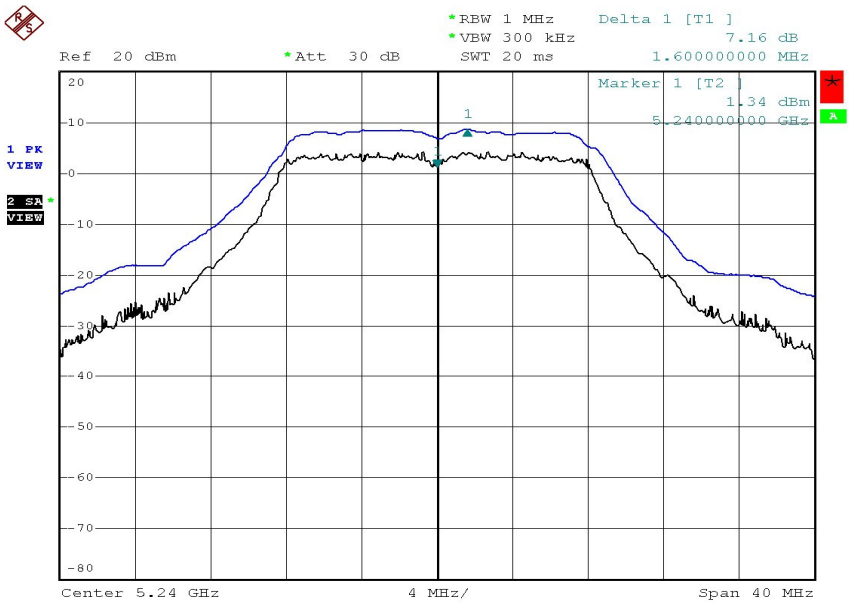

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