7. Radiated Spurious Emission

7.1. Test Equipment

The following test equipments are used during the test:

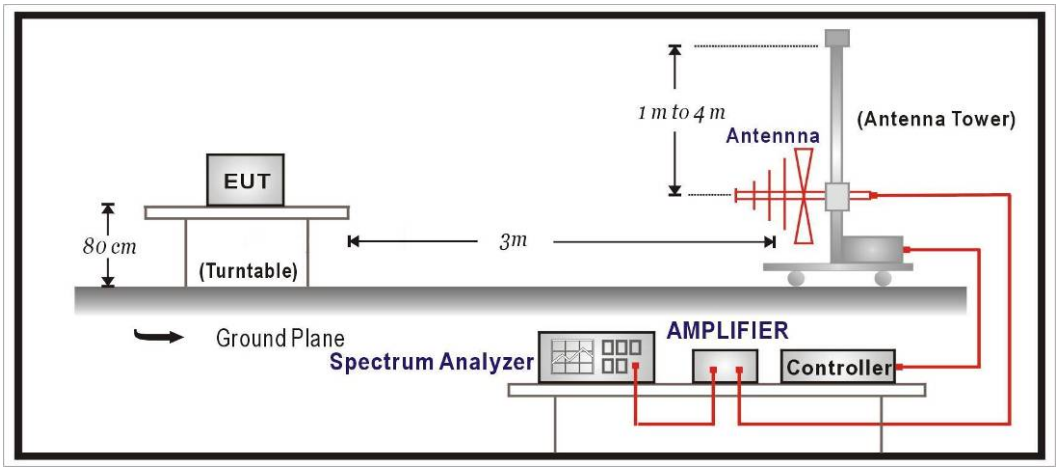
Radiated Emission / CB1 (Above 1GHz)

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Bilog Antenna	SCHAFFNER	CBL6112B	2895	2012/08/14
Double Ridged Guide Horn Antenna	Schwarzback	BBHA 9120D	743	2012/02/24
Pre-Amplifier	MITEQ	AMF-4D-005180-24-10P	888003	2012/12/05
Pre-Amplifier	QuieTek	AP-025C	CHM-0706049	2012/03/10
Spectrum Analyzer	Agilent	E4440A	MY46187335	2013/01/08
Coaxial Cable	Huber+Suhner AG	Sucoflex 102	25623/2	2012/03/21

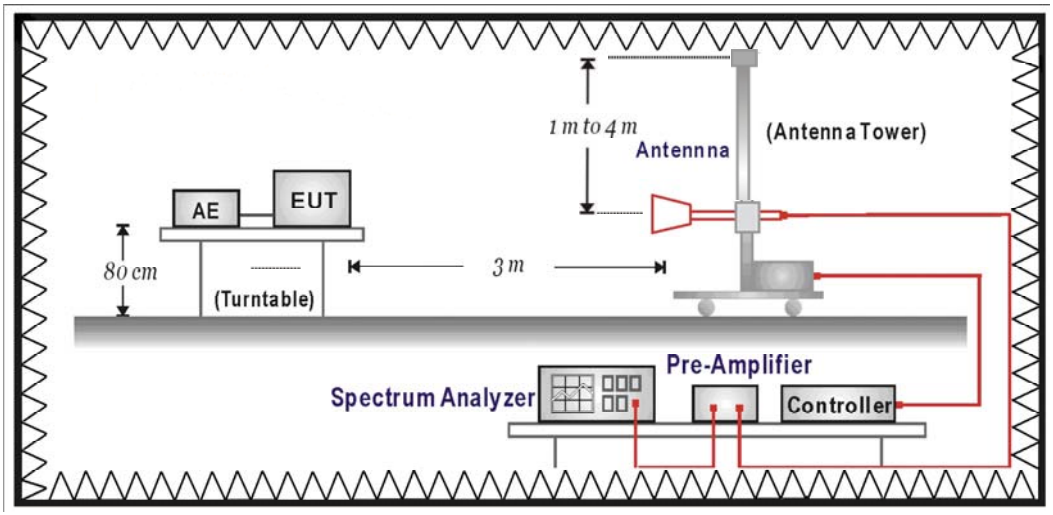
Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

7.2. Test Setup

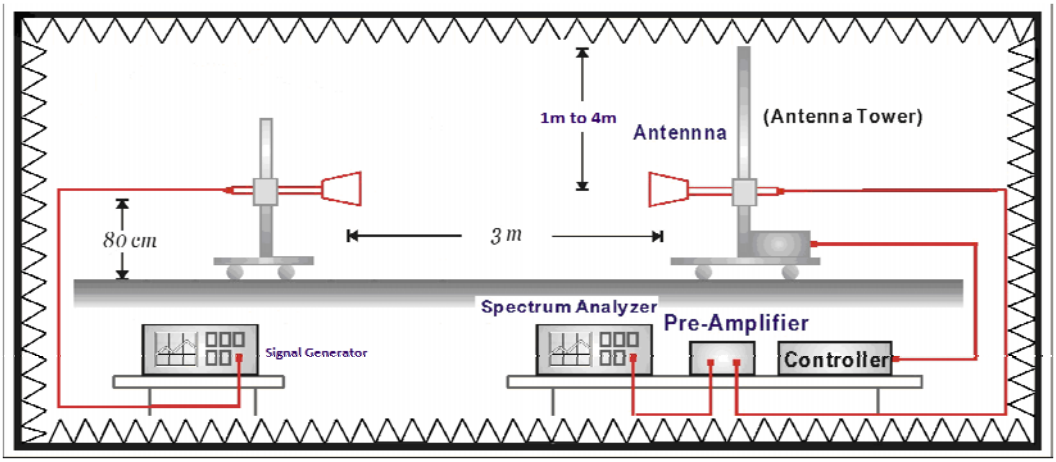
Under 1GHz Test Setup:



Above 1GHz Test Setup: RF Radiated Measurement:



Substitution Measurement Setup:



7.3. Limits

The power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or less, but at least one percent of the emission bandwidth of the fundamental emission of the transmitter, provided the measured energy is integrated over a 1 MHz bandwidth.

7.4. Test Procedure

For measuring E.I.R.P peak power, EUT was placed on the turn-table which was rotated around 360 degrees to search the maximum radiation power and receiver antenna was rotated vertical and horizontal polarization to find the maximum polarization radiated power.

The EUT is replaced by a horn antenna connected to a signal generator tuned to the frequency of emission and level of signal generator adjusted to same level of emission. Both horizontal and vertical polarization of the antenna are set on measurement.
On any frequency, the limits shown are based on measuring equipment employing a peak detector function. The resolution bandwidth of spectrum analyzer is 1MHz. and video bandwidth is 3MHz.
The radiated E.I.R.P power was calculated via the Correct factor, Reading Level, and Antenna gain as follows:
E.I.R.P = Reading Level + Correct Factor = S.G. – Cable Loss + Antenna Gain

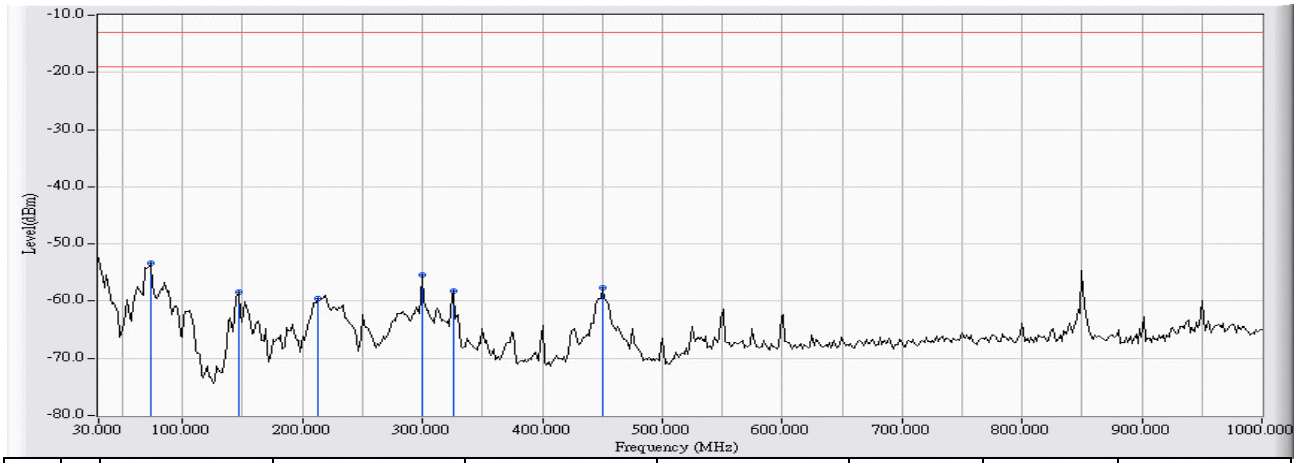
7.5. Uncertainty

The measurement uncertainty
30MHz～1GHz as ±3.19dB
1GHz～27GHz as ±3.9dB

7.6. Test Result

30 MHz – 1 GHz Spurious:

Site : CB1	**Time : 2011/12/28 - 22:27**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_30-1G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 1: Transmit (5MHz BW_QPSK1/2)_3662.5MHz**

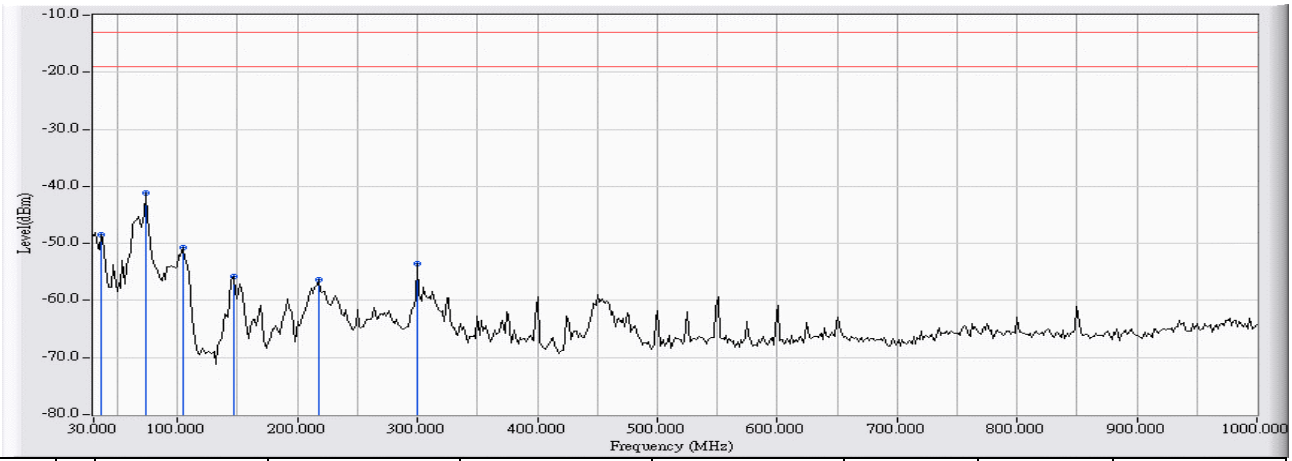


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	*	73.650	2.282	-55.617	-53.336	-40.336	-13.000	PEAK
2		146.400	-1.457	-57.046	-58.502	-45.502	-13.000	PEAK
3		212.683	-2.828	-56.632	-59.460	-46.460	-13.000	PEAK
4		299.983	1.110	-56.538	-55.429	-42.429	-13.000	PEAK
5		325.850	1.169	-59.402	-58.234	-45.234	-13.000	PEAK
6		450.333	4.653	-62.308	-57.656	-44.656	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/12/28 - 22:27**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_30-1G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 1: Transmit (5MHz BW_QPSK1/2) _3662.5MHz**

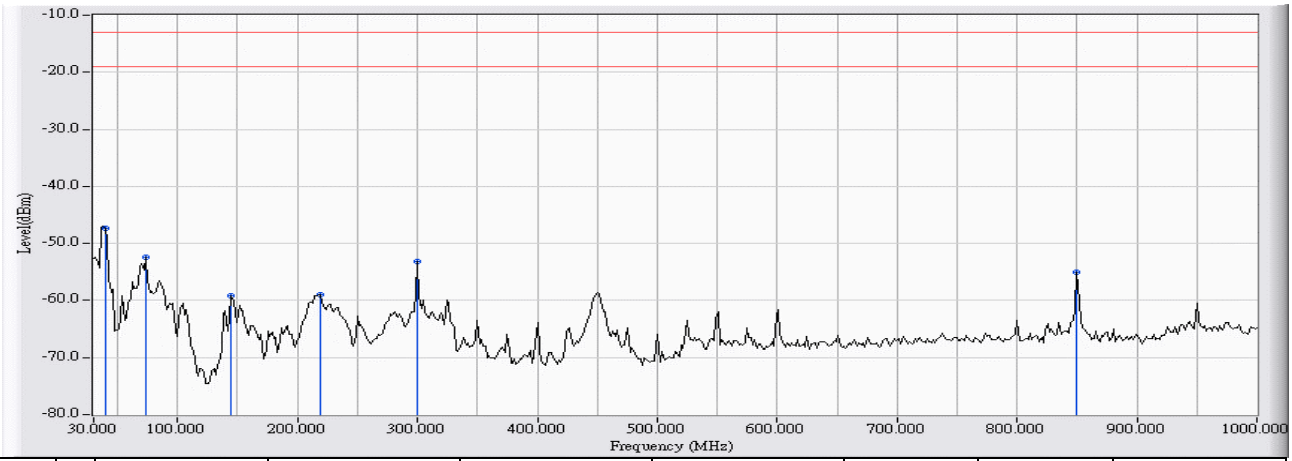


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		36.467	4.556	-52.993	-48.437	-35.437	-13.000	PEAK
2	*	73.650	1.279	-42.432	-41.153	-28.153	-13.000	PEAK
3		104.367	3.187	-53.820	-50.633	-37.633	-13.000	PEAK
4		146.400	0.090	-55.805	-55.715	-42.715	-13.000	PEAK
5		217.533	0.530	-56.973	-56.443	-43.443	-13.000	PEAK
6		299.983	0.611	-54.184	-53.574	-40.574	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/12/28 - 22:28**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_30-1G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 2: Transmit (5MHz BW_16QAM1/2) _3662.5MHz**

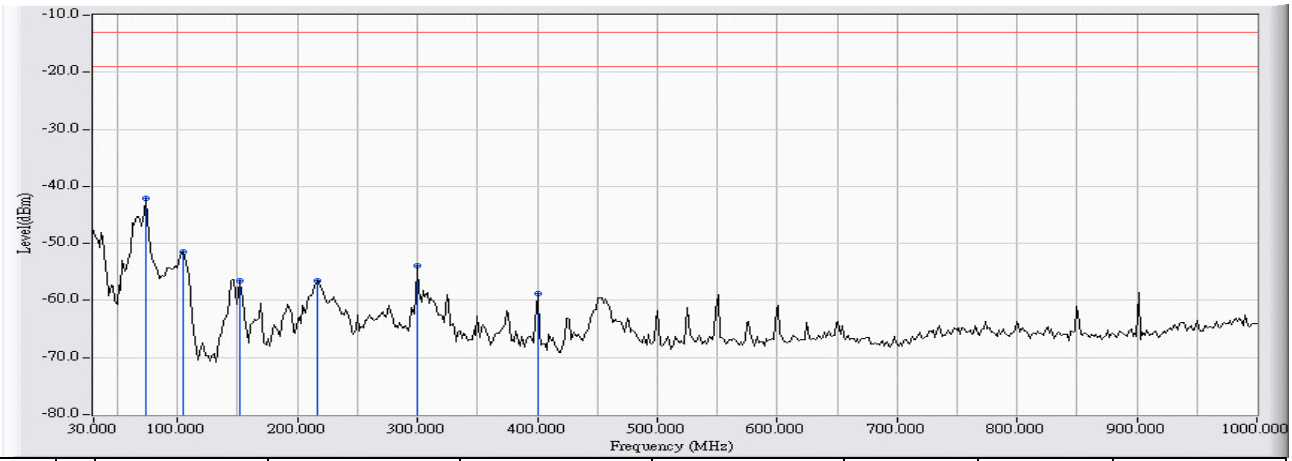


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	*	39.700	8.393	-55.685	-47.292	-34.292	-13.000	PEAK
2		73.650	2.282	-54.734	-52.453	-39.453	-13.000	PEAK
3		144.783	-1.295	-57.864	-59.159	-46.159	-13.000	PEAK
4		219.150	-2.504	-56.497	-59.001	-46.001	-13.000	PEAK
5		299.983	1.110	-54.246	-53.137	-40.137	-13.000	PEAK
6		849.650	9.296	-64.306	-55.009	-42.009	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/12/28 - 22:28**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_30-1G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 2: Transmit (5MHz BW_16QAM1/2) _3662.5MHz**

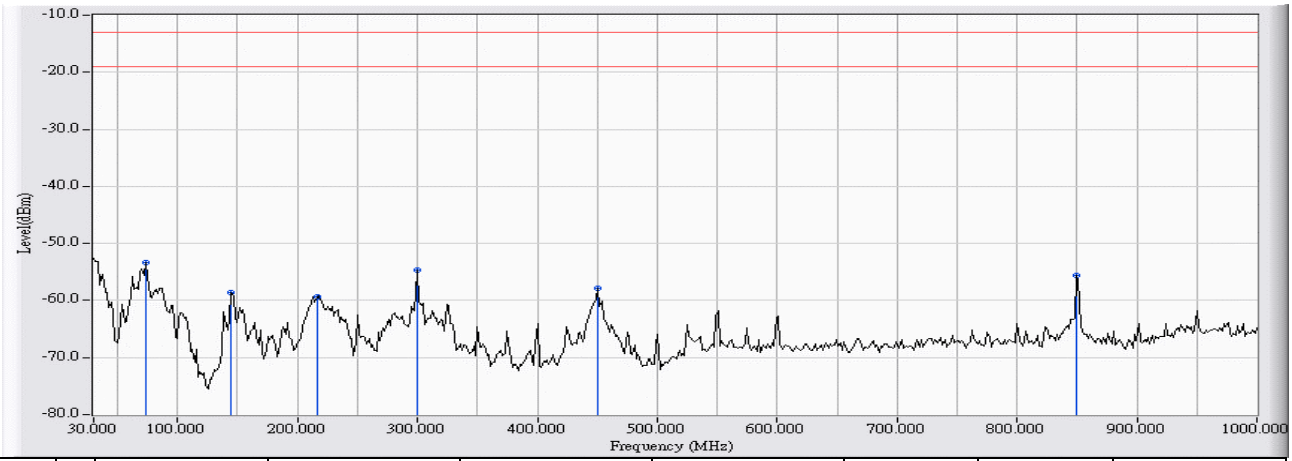


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	*	73.650	1.279	-43.280	-42.001	-29.001	-13.000	PEAK
2		104.367	3.187	-54.619	-51.432	-38.432	-13.000	PEAK
3		151.250	-0.368	-56.223	-56.591	-43.591	-13.000	PEAK
4		215.917	0.533	-57.105	-56.573	-43.573	-13.000	PEAK
5		299.983	0.611	-54.468	-53.858	-40.858	-13.000	PEAK
6		400.217	5.254	-64.036	-58.782	-45.782	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/12/28 - 22:28**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_30-1G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 3: Transmit (5MHz BW_64QAM2/3) _3662.5MHz**

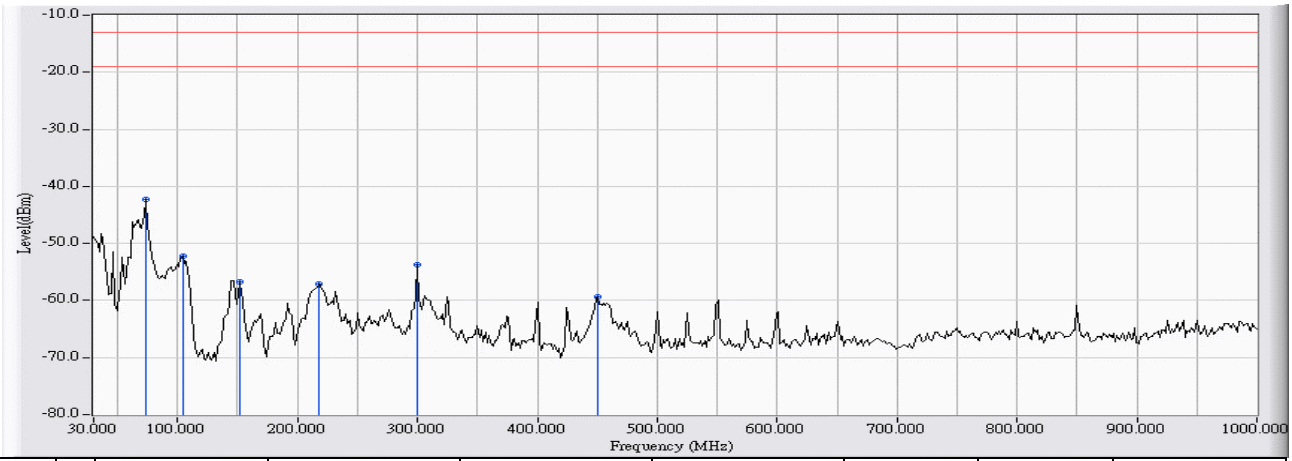


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	*	73.650	2.282	-55.717	-53.436	-40.436	-13.000	PEAK
2		144.783	-1.295	-57.316	-58.611	-45.611	-13.000	PEAK
3		215.917	-2.666	-56.644	-59.310	-46.310	-13.000	PEAK
4		299.983	1.110	-55.699	-54.590	-41.590	-13.000	PEAK
5		450.333	4.653	-62.567	-57.915	-44.915	-13.000	PEAK
6		849.650	9.296	-64.906	-55.609	-42.609	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/12/28 - 22:28**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_30-1G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 3: Transmit (5MHz BW_64QAM2/3) _3662.5MHz**

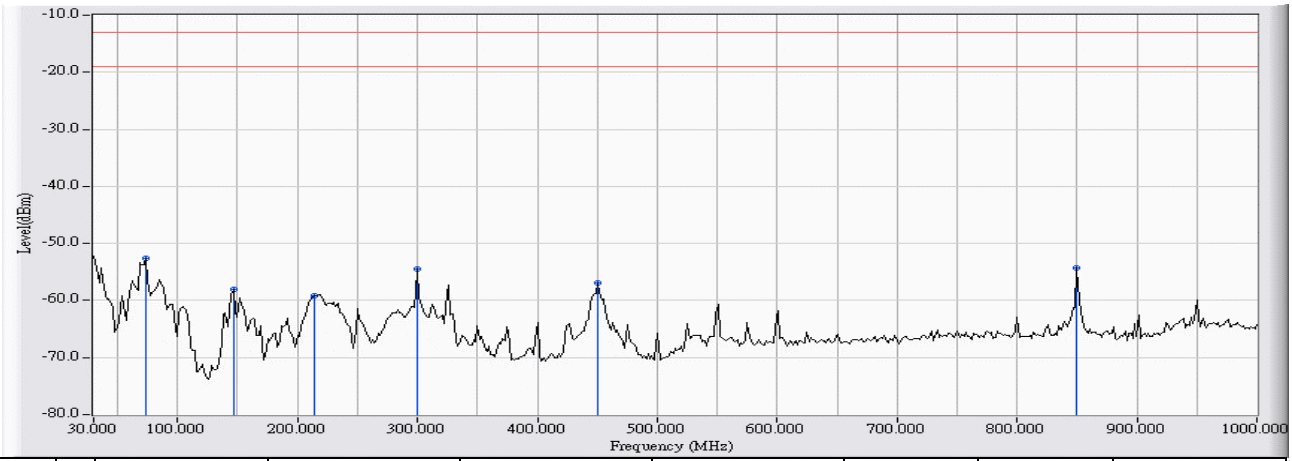


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	*	73.650	1.279	-43.477	-42.198	-29.198	-13.000	PEAK
2		104.367	3.187	-55.467	-52.280	-39.280	-13.000	PEAK
3		151.250	-0.368	-56.427	-56.795	-43.795	-13.000	PEAK
4		217.533	0.530	-57.675	-57.145	-44.145	-13.000	PEAK
5		299.983	0.611	-54.385	-53.775	-40.775	-13.000	PEAK
6		450.333	5.038	-64.336	-59.299	-46.299	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/12/28 - 22:29**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_30-1G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 4: Transmit (7MHz BW_QPSK1/2) _3662.5MHz**

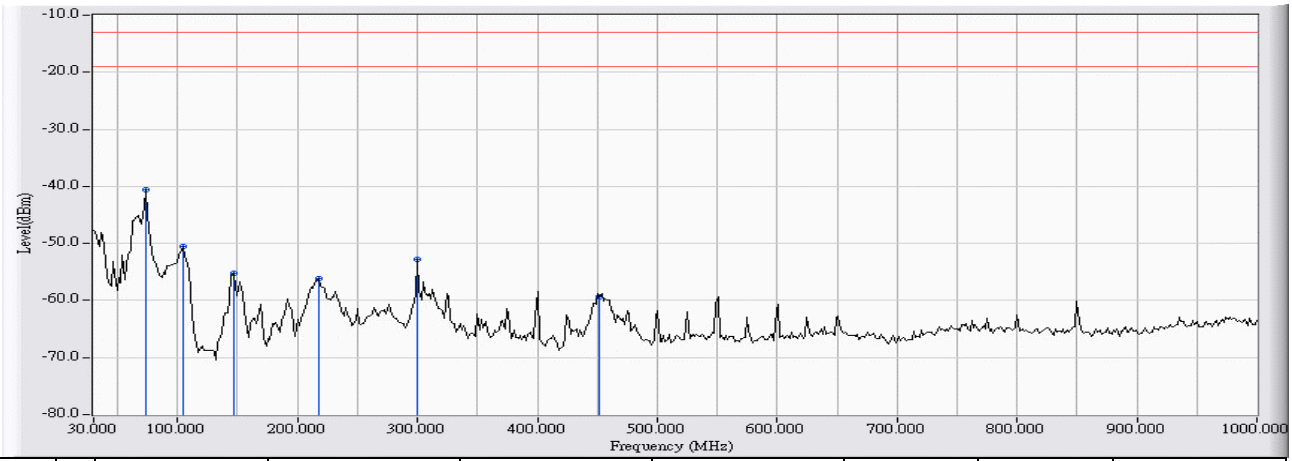


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	*	73.650	2.282	-54.822	-52.541	-39.541	-13.000	PEAK
2		146.400	-1.457	-56.628	-58.084	-45.084	-13.000	PEAK
3		214.300	-2.747	-56.364	-59.111	-46.111	-13.000	PEAK
4		299.983	1.110	-55.541	-54.432	-41.432	-13.000	PEAK
5		450.333	4.653	-61.535	-56.883	-43.883	-13.000	PEAK
6		849.650	9.296	-63.637	-54.340	-41.340	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/12/28 - 22:29**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_30-1G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 4: Transmit (7MHz BW_QPSK1/2) _3662.5MHz**

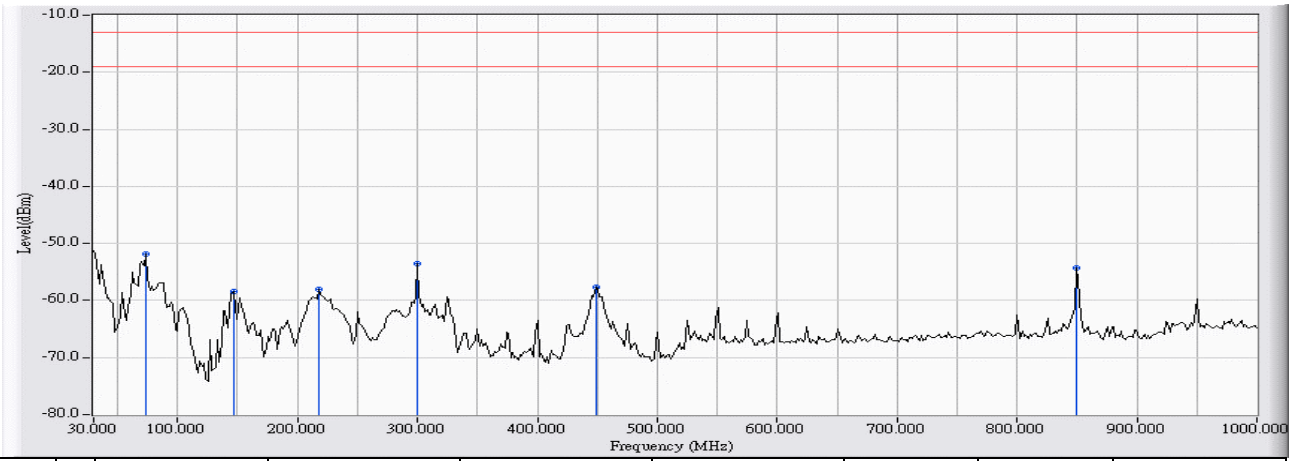


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	*	73.650	1.279	-41.820	-40.541	-27.541	-13.000	PEAK
2		104.367	3.187	-53.633	-50.446	-37.446	-13.000	PEAK
3		146.400	0.090	-55.386	-55.296	-42.296	-13.000	PEAK
4		217.533	0.530	-56.681	-56.151	-43.151	-13.000	PEAK
5		299.983	0.611	-53.477	-52.867	-39.867	-13.000	PEAK
6		451.950	5.121	-64.468	-59.347	-46.347	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/12/28 - 22:30**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_30-1G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 5: Transmit (7MHz BW_16QAM1/2) _3662.5MHz**

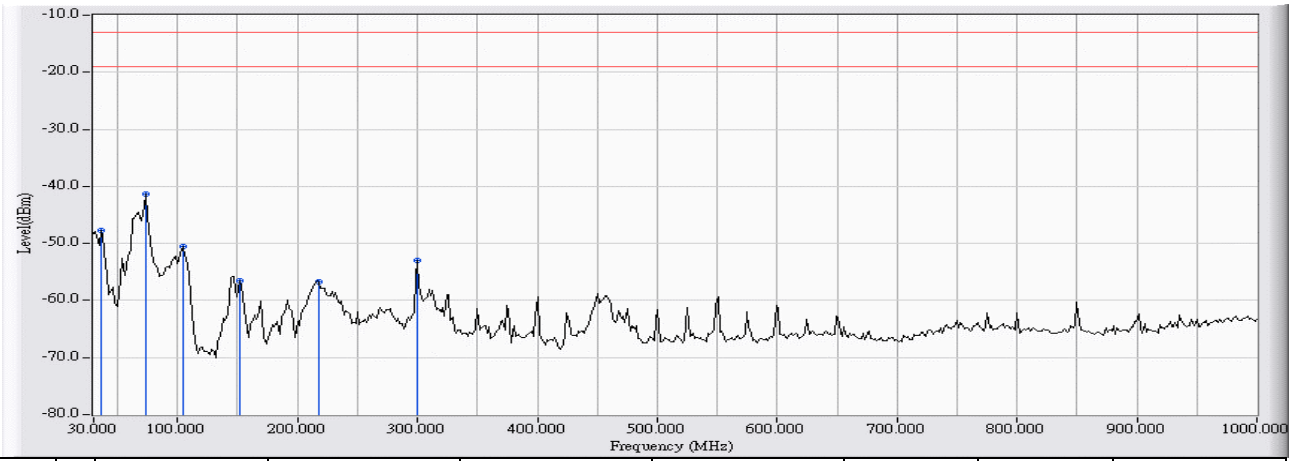


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	*	73.650	2.282	-54.130	-51.849	-38.849	-13.000	PEAK
2		146.400	-1.457	-56.926	-58.382	-45.382	-13.000	PEAK
3		217.533	-2.584	-55.473	-58.058	-45.058	-13.000	PEAK
4		299.983	1.110	-54.571	-53.462	-40.462	-13.000	PEAK
5		448.717	4.625	-62.271	-57.646	-44.646	-13.000	PEAK
6		849.650	9.296	-63.501	-54.204	-41.204	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/12/28 - 22:30**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_30-1G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 5: Transmit (7MHz BW_16QAM1/2) _3662.5MHz**

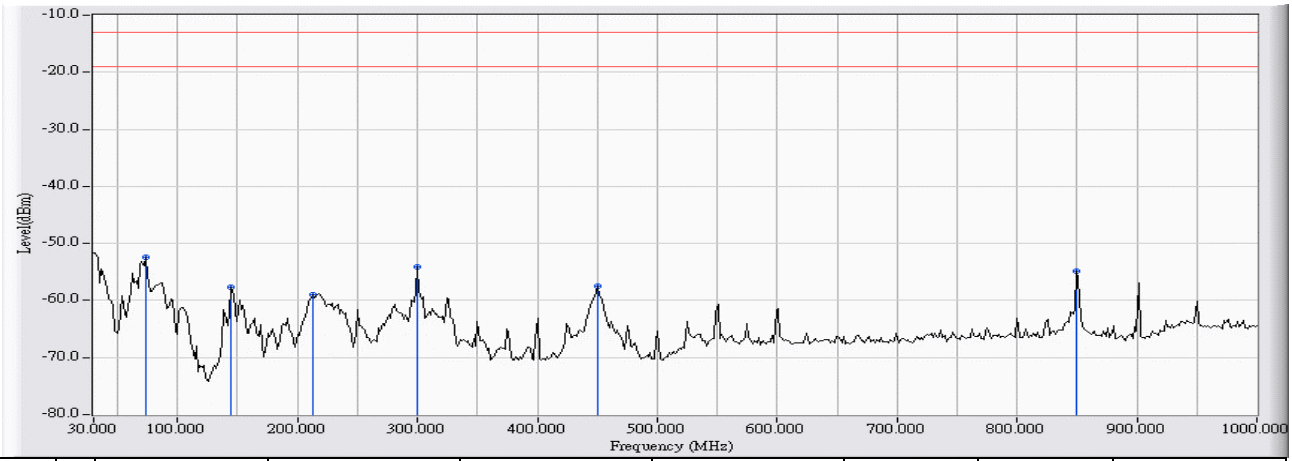


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		36.467	4.556	-52.187	-47.631	-34.631	-13.000	PEAK
2	*	73.650	1.279	-42.626	-41.347	-28.347	-13.000	PEAK
3		104.367	3.187	-53.639	-50.452	-37.452	-13.000	PEAK
4		151.250	-0.368	-56.110	-56.478	-43.478	-13.000	PEAK
5		217.533	0.530	-57.232	-56.702	-43.702	-13.000	PEAK
6		299.983	0.611	-53.589	-52.979	-39.979	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/12/28 - 22:30**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_30-1G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 6: Transmit (7MHz BW_64QAM2/3) _3662.5MHz**

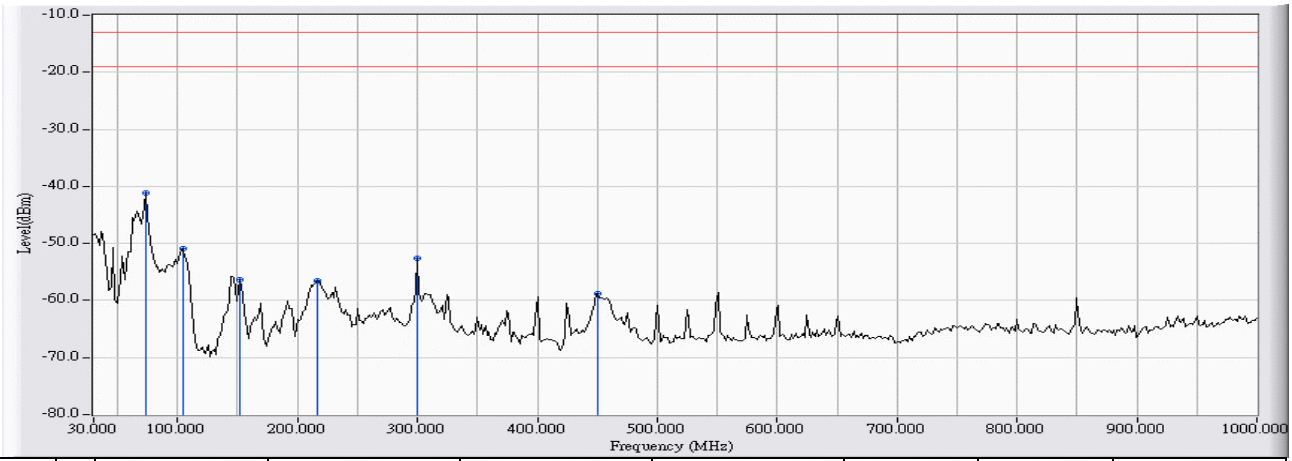


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	*	73.650	2.282	-54.746	-52.465	-39.465	-13.000	PEAK
2		144.783	-1.295	-56.416	-57.711	-44.711	-13.000	PEAK
3		212.683	-2.828	-56.231	-59.059	-46.059	-13.000	PEAK
4		299.983	1.110	-55.239	-54.130	-41.130	-13.000	PEAK
5		450.333	4.653	-62.059	-57.407	-44.407	-13.000	PEAK
6		849.650	9.296	-64.169	-54.872	-41.872	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/12/28 - 22:30**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_30-1G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 6: Transmit (7MHz BW_64QAM2/3) _3662.5MHz**

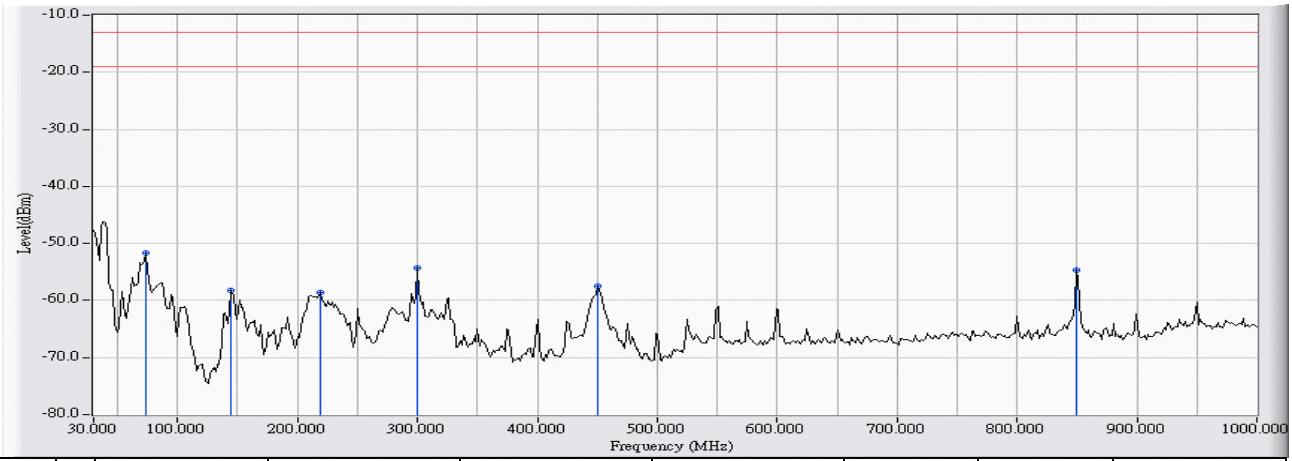


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	*	73.650	1.279	-42.358	-41.079	-28.079	-13.000	PEAK
2		104.367	3.187	-54.108	-50.921	-37.921	-13.000	PEAK
3		151.250	-0.368	-55.958	-56.326	-43.326	-13.000	PEAK
4		215.917	0.533	-56.995	-56.463	-43.463	-13.000	PEAK
5		299.983	0.611	-53.188	-52.578	-39.578	-13.000	PEAK
6		450.333	5.038	-63.894	-58.857	-45.857	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/12/28 - 22:30**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_30-1G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 7: Transmit (10MHz BW_QPSK1/2) _3662.5MHz**

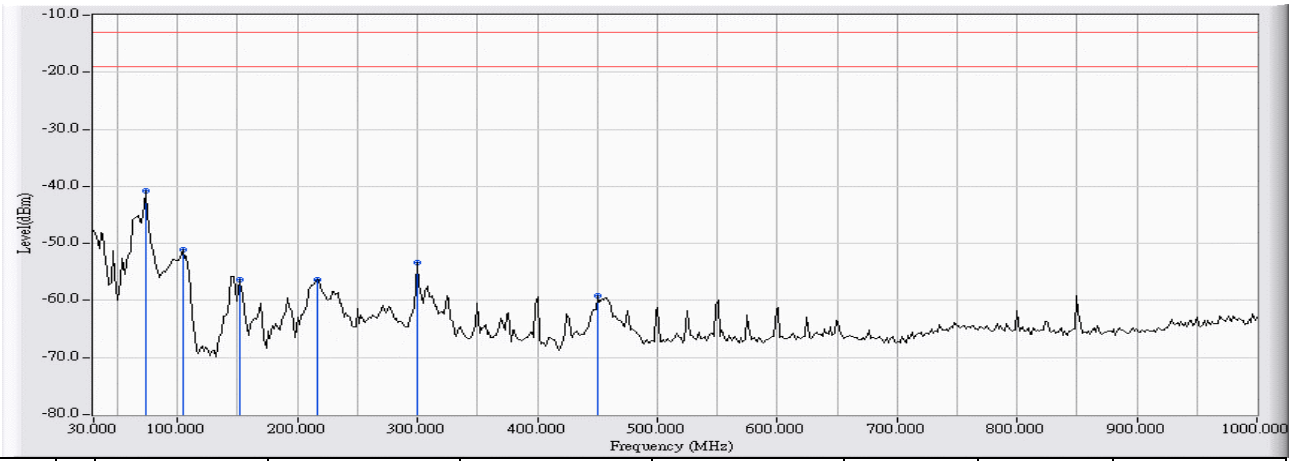


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	*	73.650	2.282	-53.862	-51.581	-38.581	-13.000	PEAK
2		144.783	-1.295	-57.004	-58.299	-45.299	-13.000	PEAK
3		219.150	-2.504	-56.012	-58.516	-45.516	-13.000	PEAK
4		299.983	1.110	-55.405	-54.296	-41.296	-13.000	PEAK
5		450.333	4.653	-62.218	-57.566	-44.566	-13.000	PEAK
6		849.650	9.296	-63.921	-54.624	-41.624	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/12/28 - 22:30**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_30-1G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 7: Transmit (10MHz BW_QPSK1/2) _3662.5MHz**

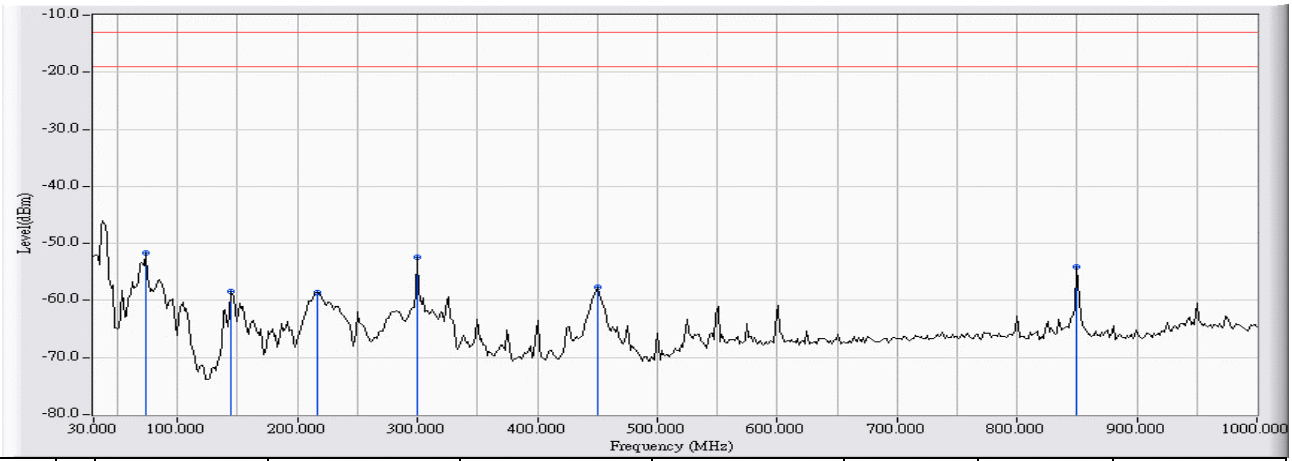


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	*	73.650	1.279	-42.021	-40.742	-27.742	-13.000	PEAK
2		104.367	3.187	-54.216	-51.029	-38.029	-13.000	PEAK
3		151.250	-0.368	-56.033	-56.401	-43.401	-13.000	PEAK
4		215.917	0.533	-56.793	-56.261	-43.261	-13.000	PEAK
5		299.983	0.611	-53.898	-53.288	-40.288	-13.000	PEAK
6		450.333	5.038	-64.233	-59.196	-46.196	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/12/28 - 22:30**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_30-1G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 8: Transmit (10MHz BW_16QAM1/2) _3662.5MHz**

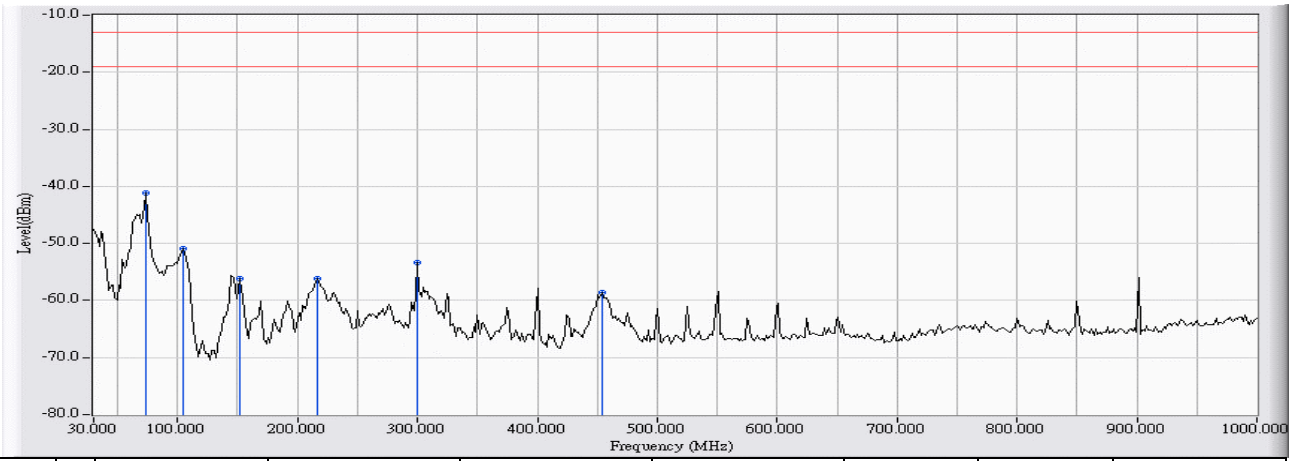


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	*	73.650	2.282	-53.976	-51.695	-38.695	-13.000	PEAK
2		144.783	-1.295	-57.207	-58.502	-45.502	-13.000	PEAK
3		215.917	-2.666	-55.884	-58.550	-45.550	-13.000	PEAK
4		299.983	1.110	-53.516	-52.407	-39.407	-13.000	PEAK
5		450.333	4.653	-62.267	-57.615	-44.615	-13.000	PEAK
6		849.650	9.296	-63.445	-54.148	-41.148	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/12/28 - 22:30**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_30-1G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 8: Transmit (10MHz BW_16QAM1/2) _3662.5MHz**

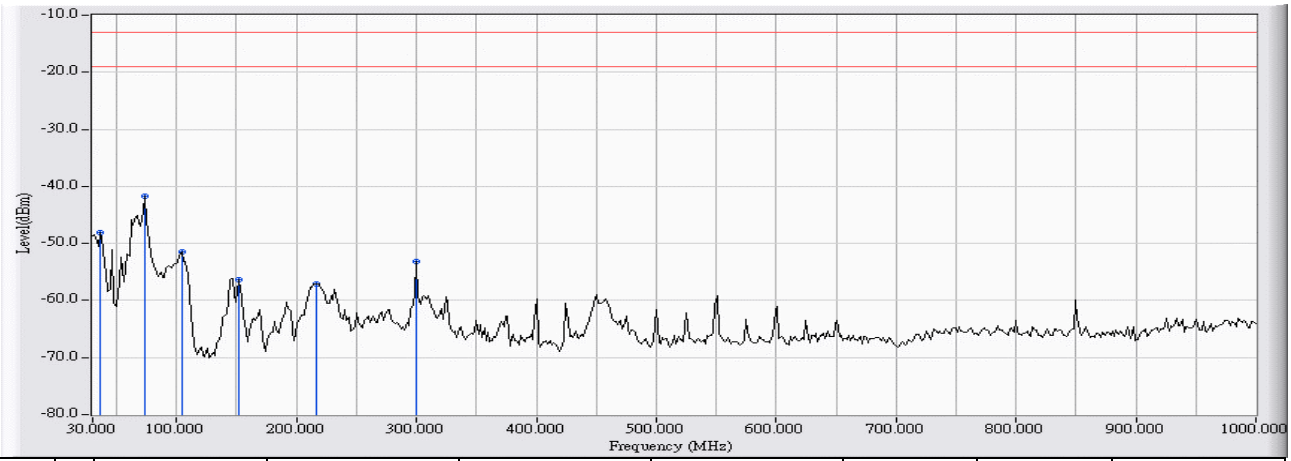


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	*	73.650	1.279	-42.489	-41.210	-28.210	-13.000	PEAK
2		104.367	3.187	-54.191	-51.004	-38.004	-13.000	PEAK
3		151.250	-0.368	-55.759	-56.127	-43.127	-13.000	PEAK
4		215.917	0.533	-56.631	-56.099	-43.099	-13.000	PEAK
5		299.983	0.611	-54.039	-53.429	-40.429	-13.000	PEAK
6		453.567	5.205	-63.818	-58.613	-45.613	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/12/28 - 22:31**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_30-1G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 9: Transmit (10MHz BW_64QAM2/3) _3662.5MHz**

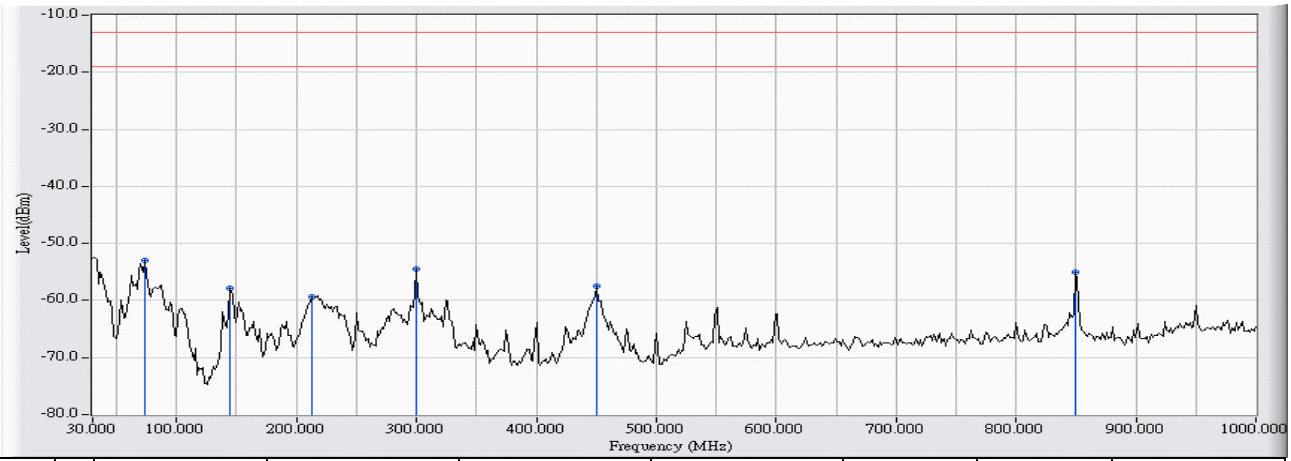


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		36.467	4.556	-52.675	-48.119	-35.119	-13.000	PEAK
2	*	73.650	1.279	-42.960	-41.681	-28.681	-13.000	PEAK
3		104.367	3.187	-54.741	-51.554	-38.554	-13.000	PEAK
4		151.250	-0.368	-55.969	-56.337	-43.337	-13.000	PEAK
5		215.917	0.533	-57.589	-57.057	-44.057	-13.000	PEAK
6		299.983	0.611	-53.717	-53.107	-40.107	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/12/28 - 22:31**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_30-1G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 9: Transmit (10MHz BW_64QAM2/3) _3662.5MHz**



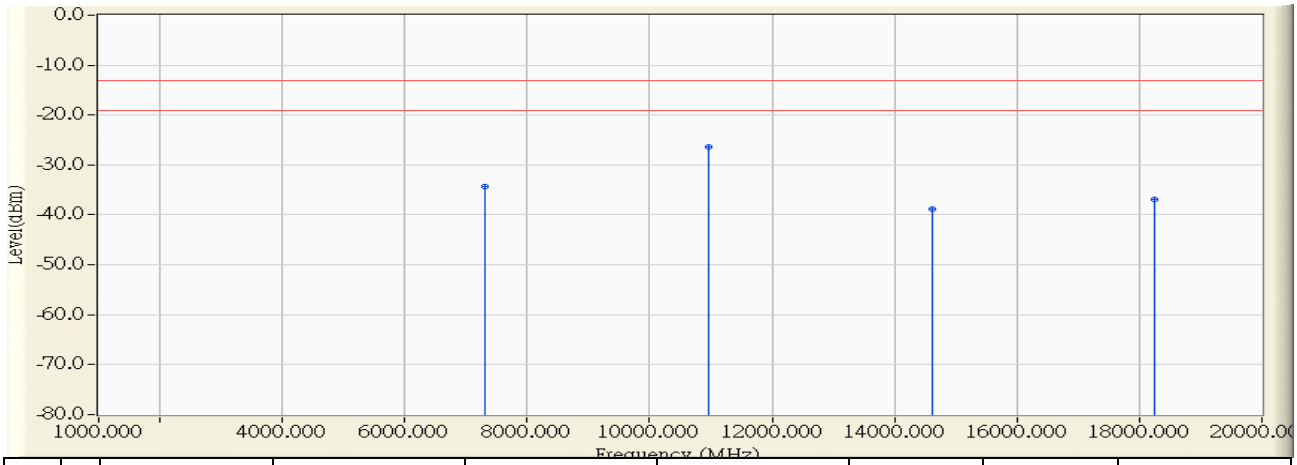
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	*	73.650	2.282	-55.244	-52.963	-39.963	-13.000	PEAK
2		144.783	-1.295	-56.532	-57.827	-44.827	-13.000	PEAK
3		212.683	-2.828	-56.482	-59.310	-46.310	-13.000	PEAK
4		299.983	1.110	-55.642	-54.533	-41.533	-13.000	PEAK
5		450.333	4.653	-62.195	-57.543	-44.543	-13.000	PEAK
6		849.650	9.296	-64.285	-54.988	-41.988	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Harmonic & Spurious:

Site : CB1	**Time : 2011/11/23 - 16:55**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 1: Transmit (5MHz BW_QPSK1/2) _3652.5MHz**

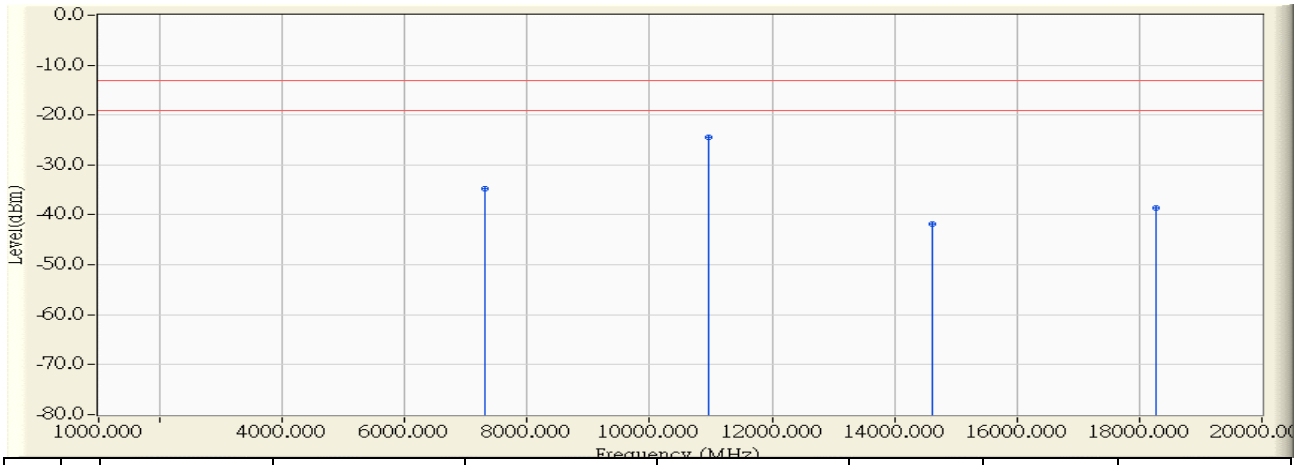


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7305.280	20.176	-54.438	-34.262	-21.262	-13.000	PEAK
2	*	10958.220	25.373	-51.854	-26.480	-13.480	-13.000	PEAK
3		14606.420	28.335	-67.138	-38.802	-25.802	-13.000	PEAK
4		18256.880	31.900	-68.800	-36.900	-23.900	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 16:58**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 1: Transmit (5MHz BW_QPSK1/2) _3652.5MHz**

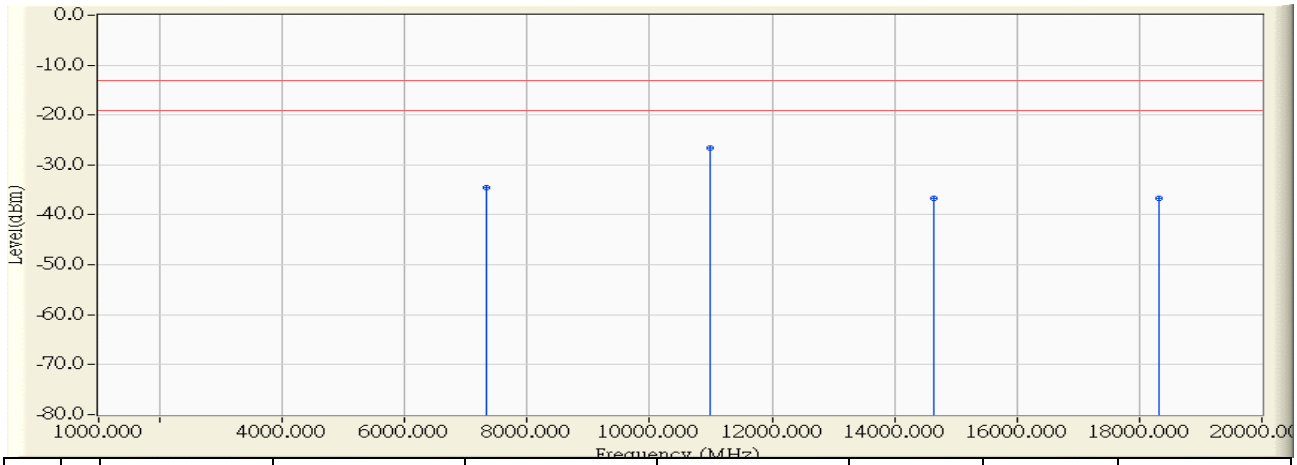


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7304.860	19.460	-54.188	-34.728	-21.728	-13.000	PEAK
2	*	10957.740	25.255	-49.798	-24.543	-11.543	-13.000	PEAK
3		14609.960	27.069	-68.914	-41.845	-28.845	-13.000	PEAK
4		18265.700	31.300	-69.799	-38.499	-25.499	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 17:01**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 1: Transmit (5MHz BW_QPSK1/2) _3662.5MHz**

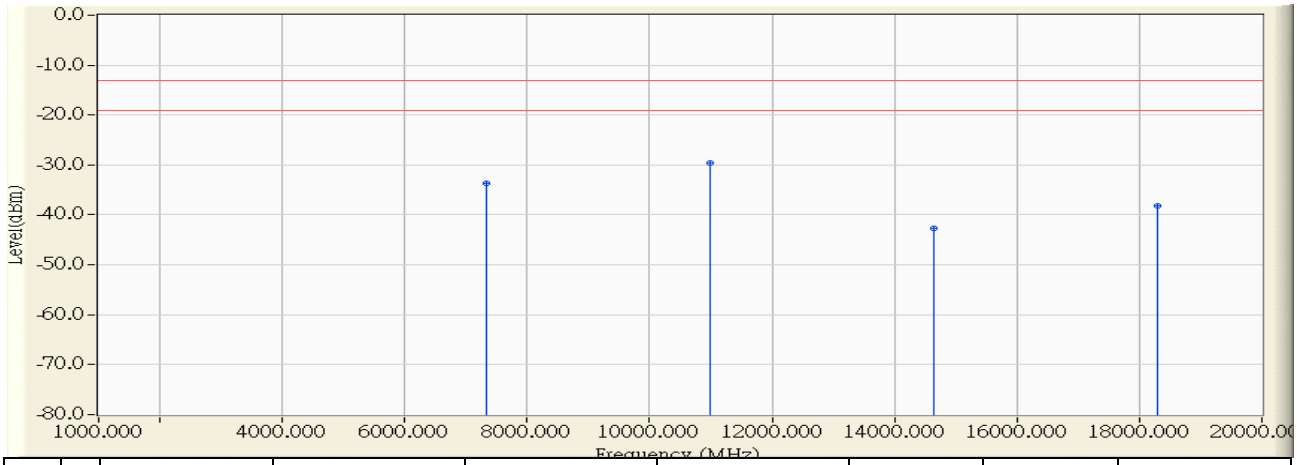


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7326.180	20.207	-54.832	-34.626	-21.626	-13.000	PEAK
2	*	10987.656	25.526	-52.099	-26.573	-13.573	-13.000	PEAK
3		14649.160	28.345	-65.103	-36.757	-23.757	-13.000	PEAK
4		18314.340	31.900	-68.574	-36.674	-23.674	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 17:03**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 1: Transmit (5MHz BW_QPSK1/2) _3662.5MHz**

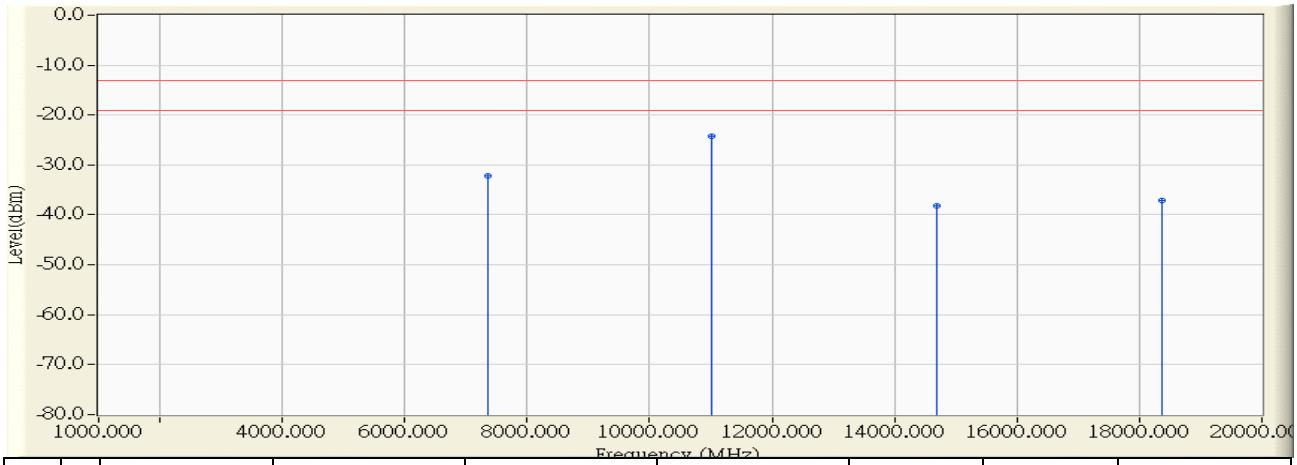


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7326.160	19.540	-53.114	-33.574	-20.574	-13.000	PEAK
2	*	10987.680	25.400	-55.094	-29.694	-16.694	-13.000	PEAK
3		14651.860	27.141	-69.888	-42.747	-29.747	-13.000	PEAK
4		18305.140	31.300	-69.436	-38.136	-25.136	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 17:07**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 1: Transmit (5MHz BW_QPSK1/2) _3672.5MHz**

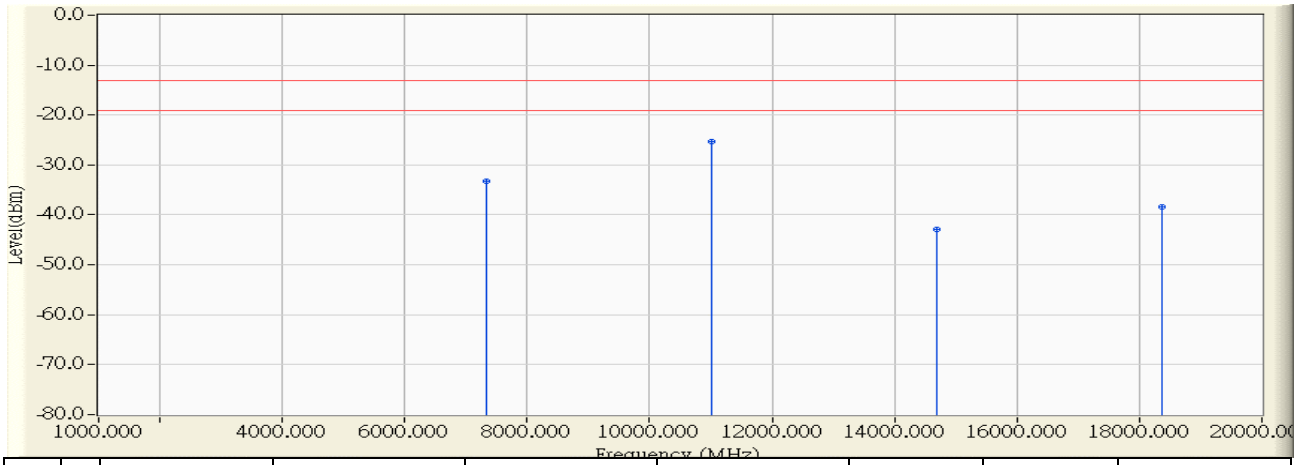


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7345.880	20.235	-52.484	-32.249	-19.249	-13.000	PEAK
2	*	11016.240	25.612	-49.755	-24.143	-11.143	-13.000	PEAK
3		14690.700	28.356	-66.462	-38.106	-25.106	-13.000	PEAK
4		18365.660	31.900	-68.971	-37.071	-24.071	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 17:09**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 1: Transmit (5MHz BW_QPSK1/2) _3672.5MHz**

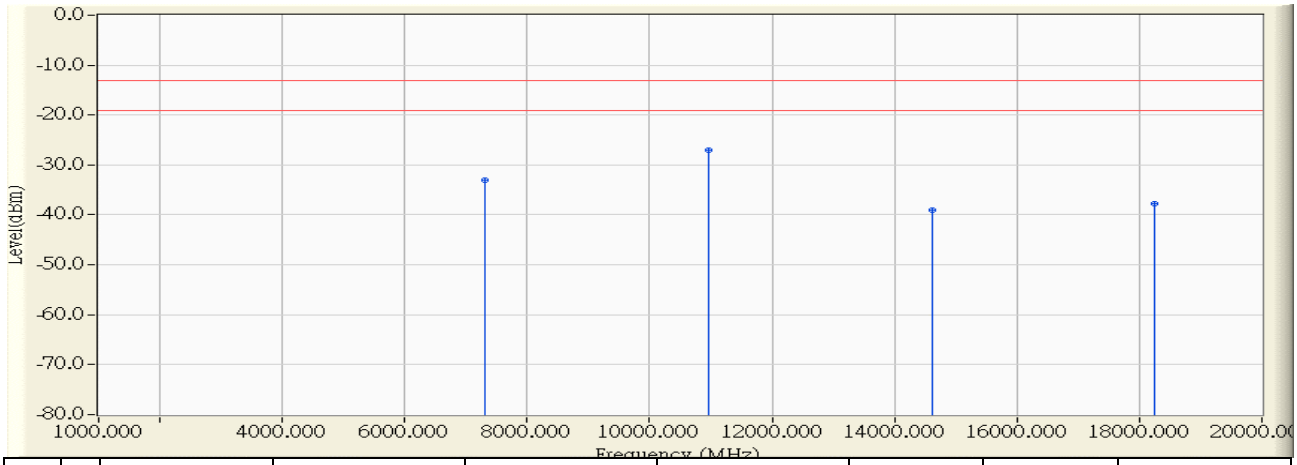


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7345.140	19.611	-52.834	-33.223	-20.223	-13.000	PEAK
2	*	11016.060	25.469	-50.787	-25.317	-12.317	-13.000	PEAK
3		14686.580	27.200	-70.105	-42.904	-29.904	-13.000	PEAK
4		18363.720	31.300	-69.668	-38.368	-25.368	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 17:12**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 2: Transmit (5MHz BW_16QAM1/2) _3652.5MHz**

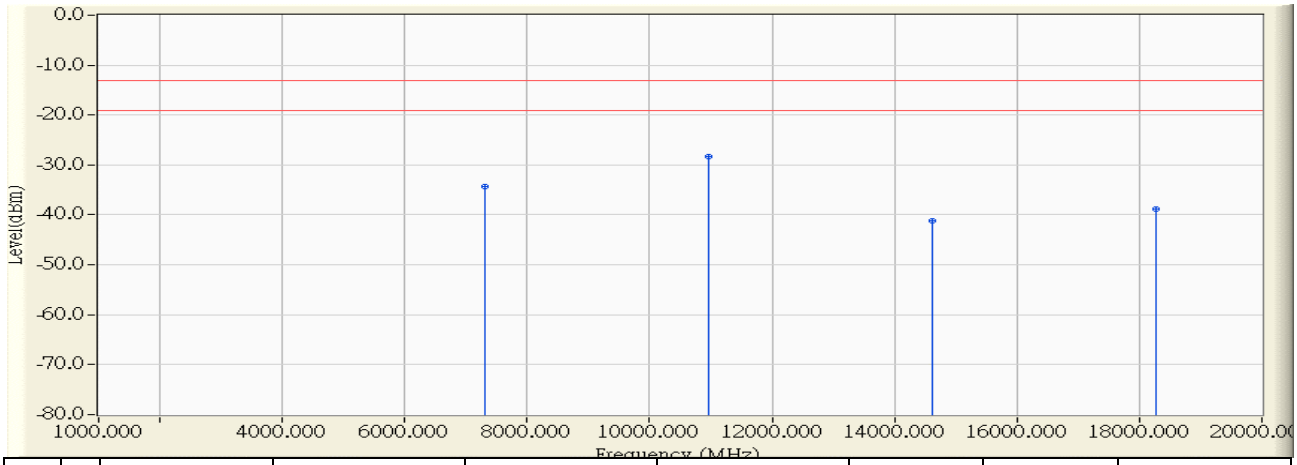


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7304.260	20.175	-53.297	-33.123	-20.123	-13.000	PEAK
2	*	10957.580	25.370	-52.495	-27.125	-14.125	-13.000	PEAK
3		14614.240	28.337	-67.316	-38.979	-25.979	-13.000	PEAK
4		18254.000	31.900	-69.594	-37.694	-24.694	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 17:14**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 2: Transmit (5MHz BW_16QAM1/2) _3652.5MHz**

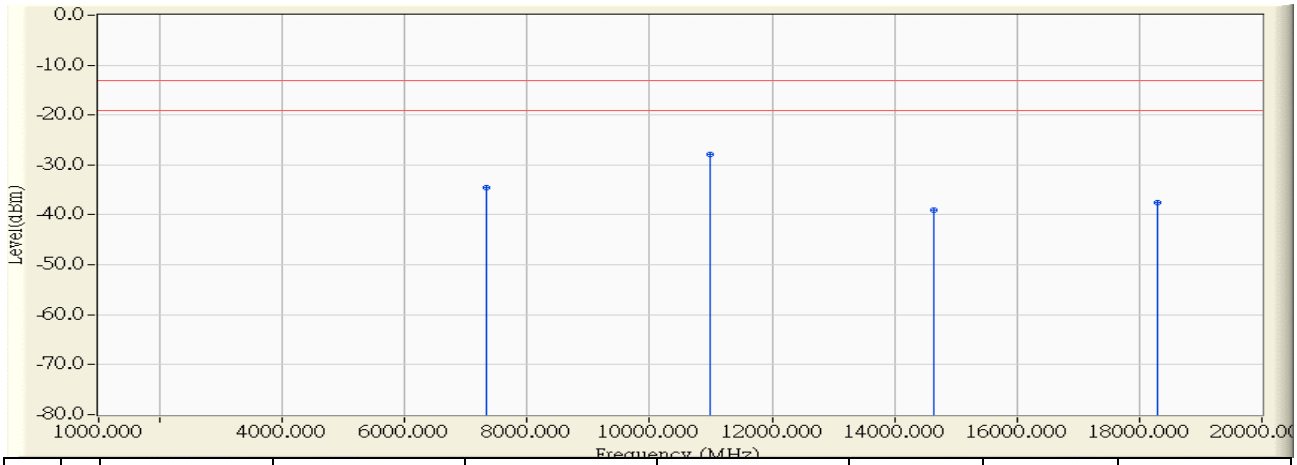


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7305.860	19.464	-53.693	-34.229	-21.229	-13.000	PEAK
2	*	10957.940	25.256	-53.607	-28.351	-15.351	-13.000	PEAK
3		14609.000	27.067	-68.261	-41.194	-28.194	-13.000	PEAK
4		18268.260	31.300	-70.215	-38.915	-25.915	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 17:18**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 2: Transmit (5MHz BW_16QAM1/2) _3662.5MHz**

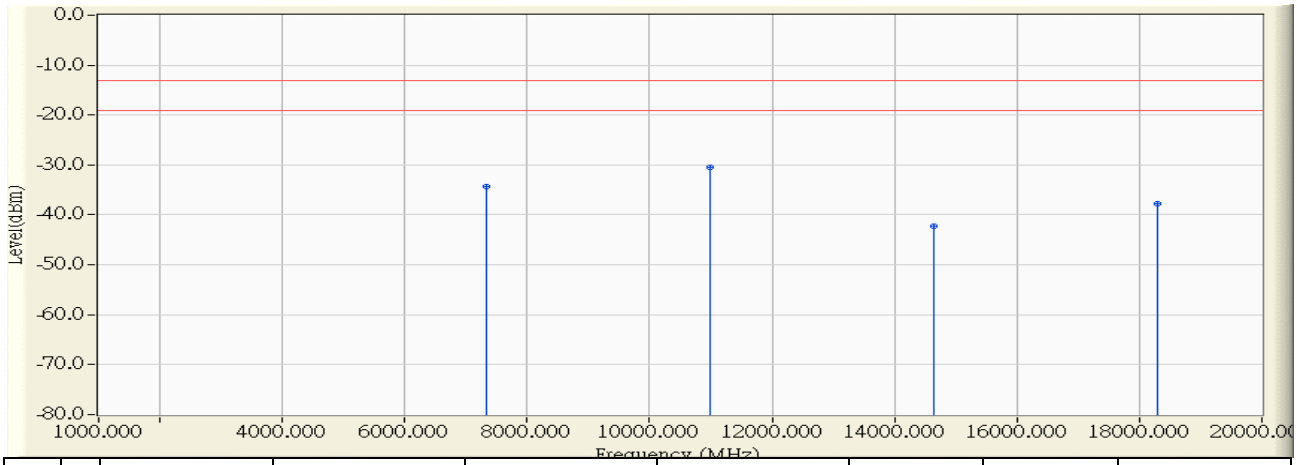


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7325.720	20.206	-54.806	-34.600	-21.600	-13.000	PEAK
2	*	10987.960	25.528	-53.442	-27.914	-14.914	-13.000	PEAK
3		14647.320	28.345	-67.464	-39.119	-26.119	-13.000	PEAK
4		18303.400	31.900	-69.489	-37.589	-24.589	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 17:20**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 2: Transmit (5MHz BW_16QAM1/2) _3662.5MHz**

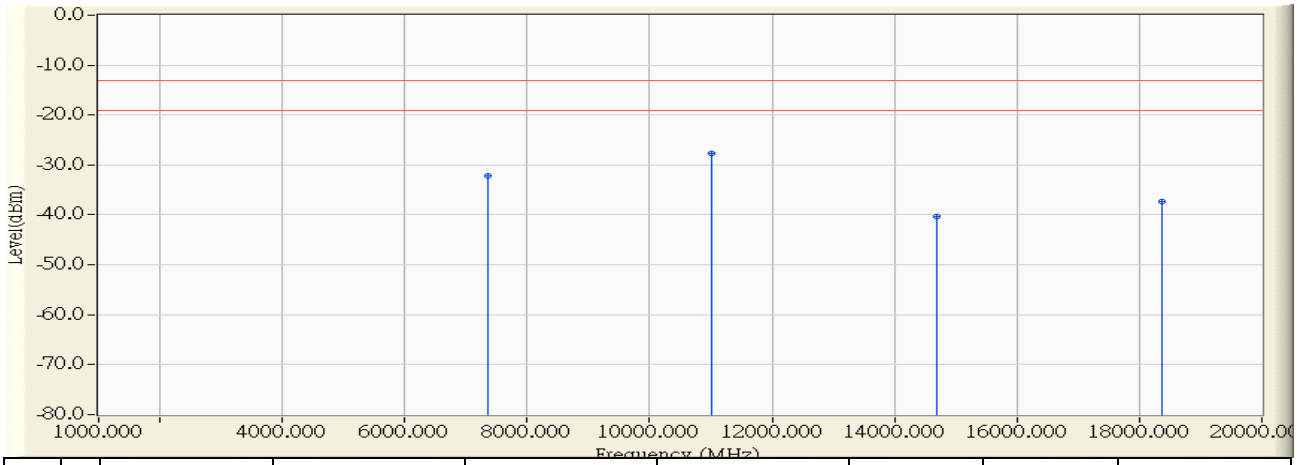


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7325.140	19.536	-53.803	-34.267	-21.267	-13.000	PEAK
2	*	10989.140	25.407	-55.842	-30.435	-17.435	-13.000	PEAK
3		14647.080	27.133	-69.334	-42.201	-29.201	-13.000	PEAK
4		18304.720	31.300	-69.132	-37.832	-24.832	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 17:22**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 2: Transmit (5MHz BW_16QAM1/2) _3672.5MHz**

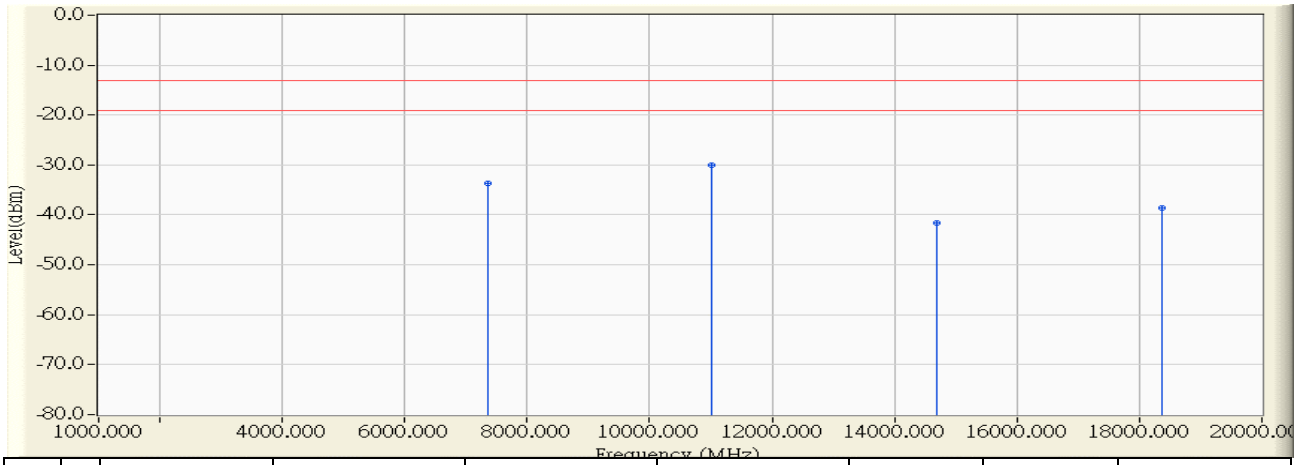


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7345.840	20.235	-52.389	-32.154	-19.154	-13.000	PEAK
2	*	11016.900	25.613	-53.351	-27.738	-14.738	-13.000	PEAK
3		14687.060	28.355	-68.574	-40.219	-27.219	-13.000	PEAK
4		18366.960	31.900	-69.223	-37.323	-24.323	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 17:24**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 2: Transmit (5MHz BW_16QAM1/2) _3672.5MHz**

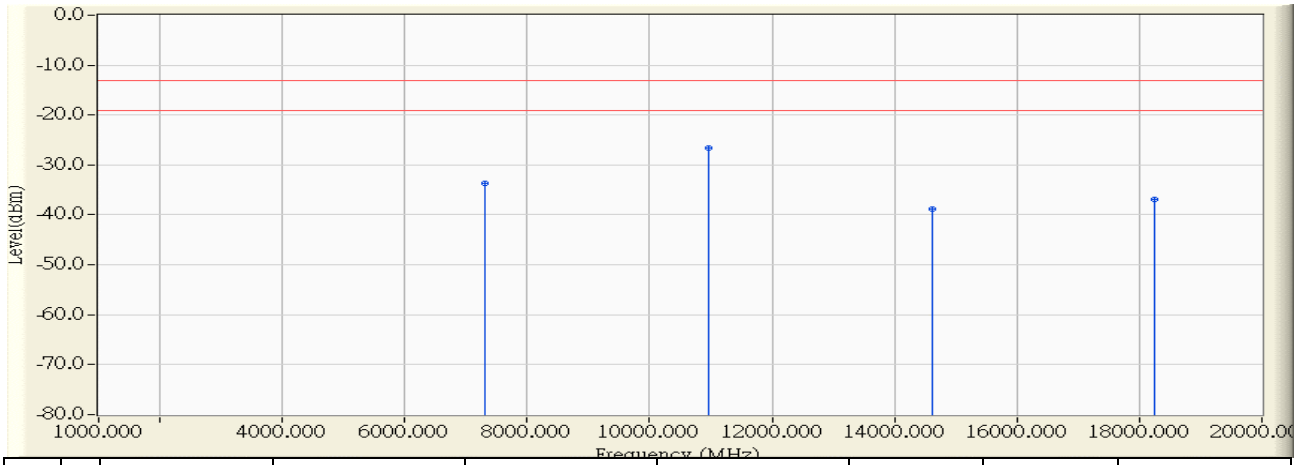


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7345.720	19.613	-53.371	-33.758	-20.758	-13.000	PEAK
2	*	11017.520	25.470	-55.531	-30.060	-17.060	-13.000	PEAK
3		14688.640	27.205	-68.713	-41.509	-28.509	-13.000	PEAK
4		18362.620	31.300	-69.829	-38.529	-25.529	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 17:27**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 3: Transmit (5MHz BW_64QAM2/3) _3652.5MHz**

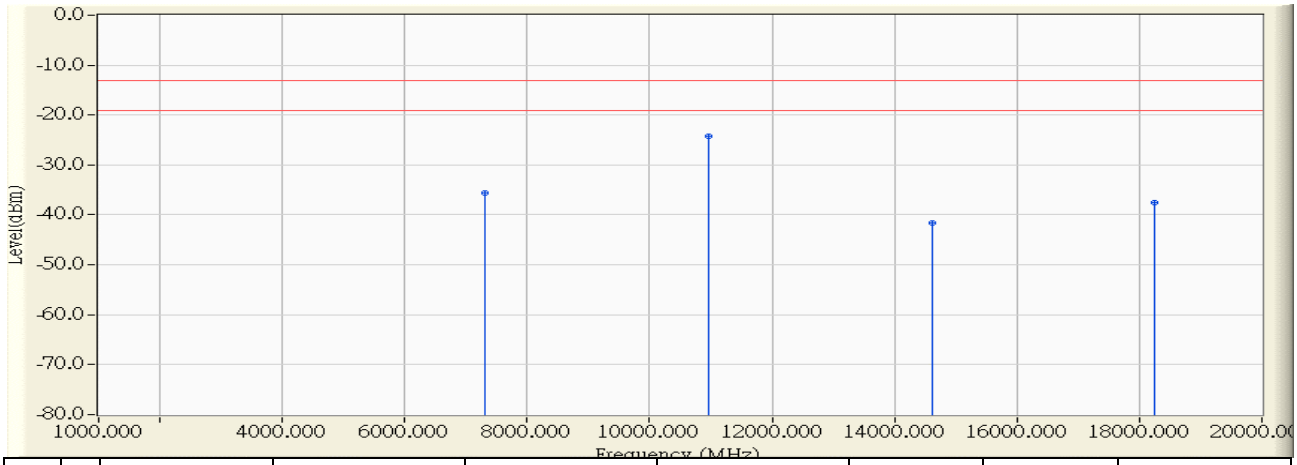


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7304.600	20.175	-53.928	-33.753	-20.753	-13.000	PEAK
2	*	10955.560	25.360	-51.973	-26.613	-13.613	-13.000	PEAK
3		14612.220	28.337	-67.222	-38.885	-25.885	-13.000	PEAK
4		18253.820	31.900	-68.711	-36.811	-23.811	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 17:29**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 3: Transmit (5MHz BW_64QAM2/3) _3652.5MHz**

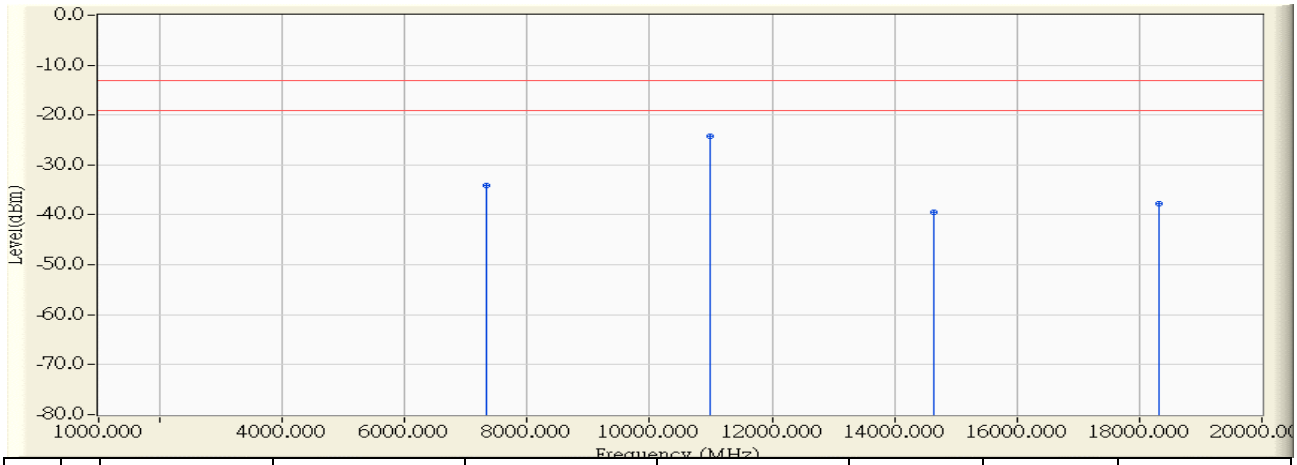


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7306.120	19.465	-55.096	-35.631	-22.631	-13.000	PEAK
2	*	10956.700	25.250	-49.516	-24.266	-11.266	-13.000	PEAK
3		14609.440	27.068	-68.585	-41.517	-28.517	-13.000	PEAK
4		18255.480	31.300	-68.732	-37.432	-24.432	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 17:32**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 3: Transmit (5MHz BW_64QAM2/3) _3662.5MHz**

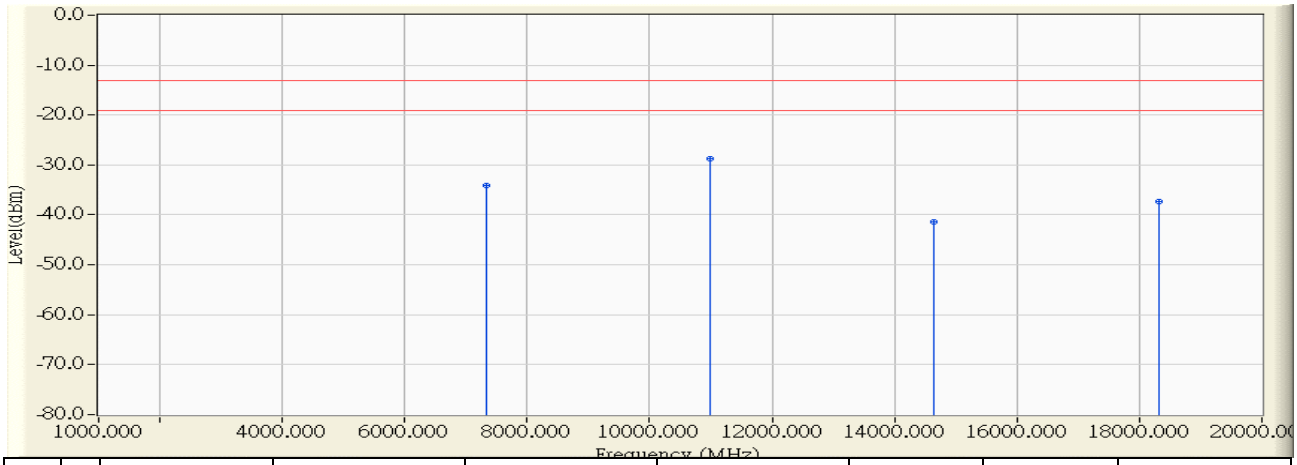


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7324.100	20.203	-54.323	-34.120	-21.120	-13.000	PEAK
2	*	10987.240	25.524	-49.757	-24.233	-11.233	-13.000	PEAK
3		14651.980	28.346	-67.746	-39.400	-26.400	-13.000	PEAK
4		18308.240	31.900	-69.573	-37.673	-24.673	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 17:35**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 3: Transmit (5MHz BW_64QAM2/3) _3662.5MHz**

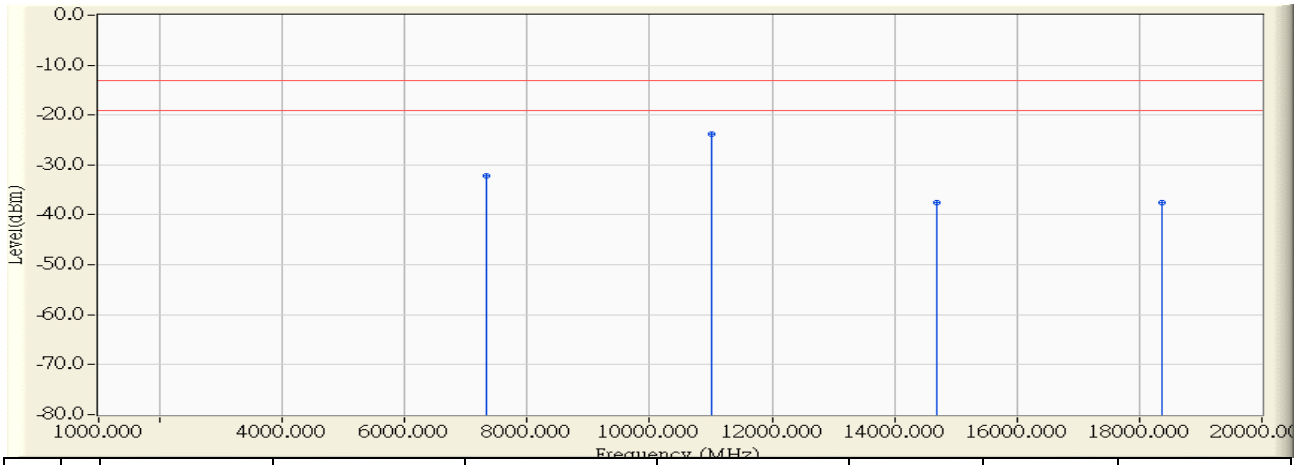


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7323.880	19.532	-53.551	-34.020	-21.020	-13.000	PEAK
2	*	10987.060	25.397	-54.072	-28.675	-15.675	-13.000	PEAK
3		14650.060	27.138	-68.515	-41.377	-28.377	-13.000	PEAK
4		18316.200	31.300	-68.640	-37.340	-24.340	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 17:37**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 3: Transmit (5MHz BW_64QAM2/3) _3672.5MHz**

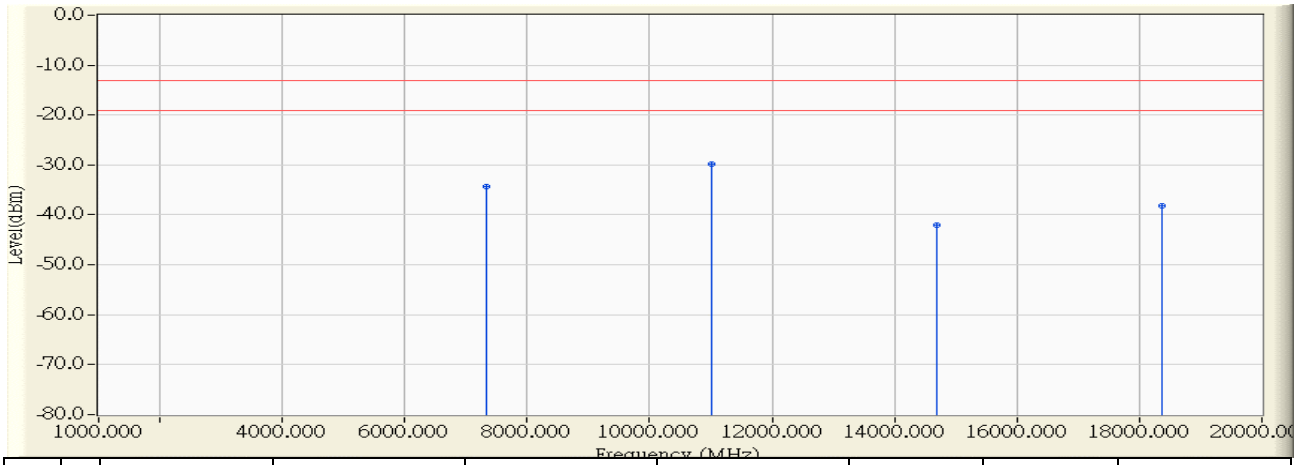


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7343.480	20.232	-52.354	-32.123	-19.123	-13.000	PEAK
2	*	11017.220	25.614	-49.343	-23.729	-10.729	-13.000	PEAK
3		14690.480	28.355	-65.932	-37.576	-24.576	-13.000	PEAK
4		18367.900	31.900	-69.409	-37.509	-24.509	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 17:40**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 3: Transmit (5MHz BW_64QAM2/3) _3672.5MHz**

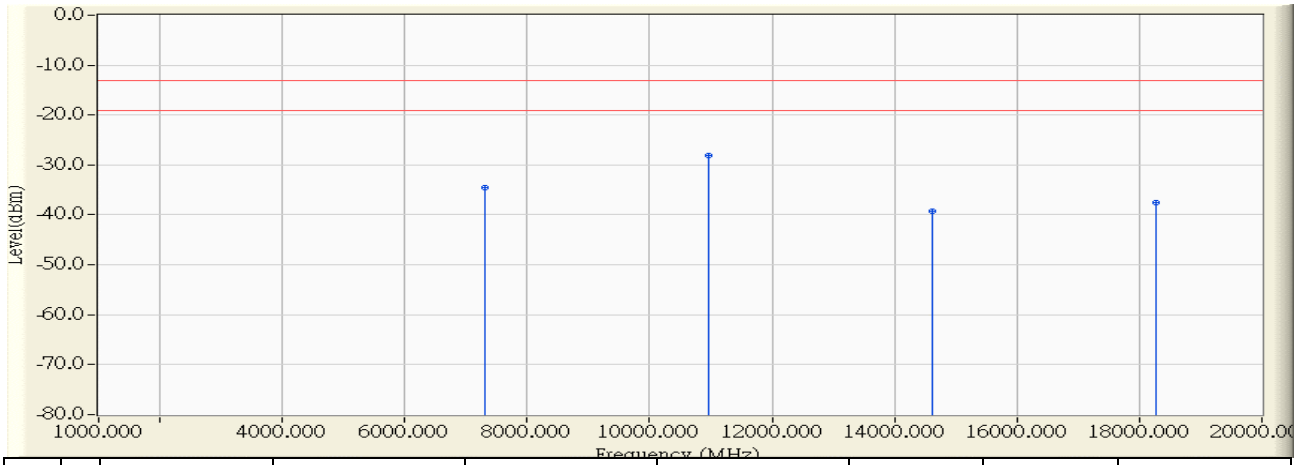


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7344.700	19.609	-53.957	-34.348	-21.348	-13.000	PEAK
2	*	11015.200	25.469	-55.211	-29.742	-16.742	-13.000	PEAK
3		14685.260	27.199	-69.240	-42.041	-29.041	-13.000	PEAK
4		18355.840	31.300	-69.576	-38.276	-25.276	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 14:39**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 4: Transmit (7MHz BW_QPSK1/2) _3653.5MHz**

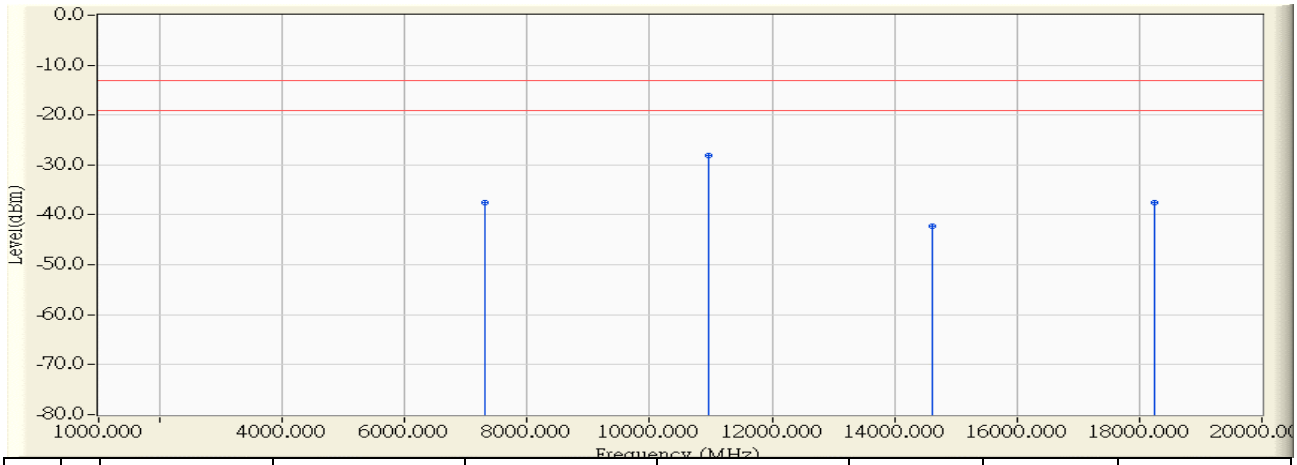


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7307.320	20.179	-54.714	-34.535	-21.535	-13.000	PEAK
2	*	10960.280	25.384	-53.447	-28.063	-15.063	-13.000	PEAK
3		14621.740	28.339	-67.531	-39.192	-26.192	-13.000	PEAK
4		18260.140	31.900	-69.460	-37.560	-24.560	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 14:54**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 4: Transmit (7MHz BW_QPSK1/2) _3653.5MHz**

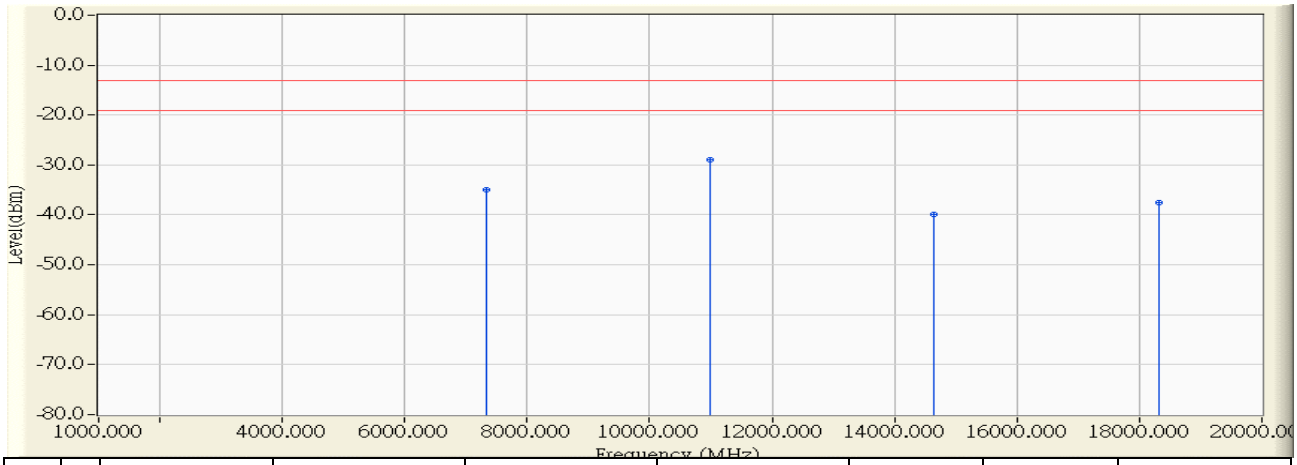


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7306.920	19.468	-57.020	-37.552	-24.552	-13.000	PEAK
2	*	10965.800	25.293	-53.486	-28.192	-15.192	-13.000	PEAK
3		14618.440	27.084	-69.354	-42.270	-29.270	-13.000	PEAK
4		18258.240	31.300	-68.830	-37.530	-24.530	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 15:02**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 4: Transmit (7MHz BW_QPSK1/2) _3662.5MHz**

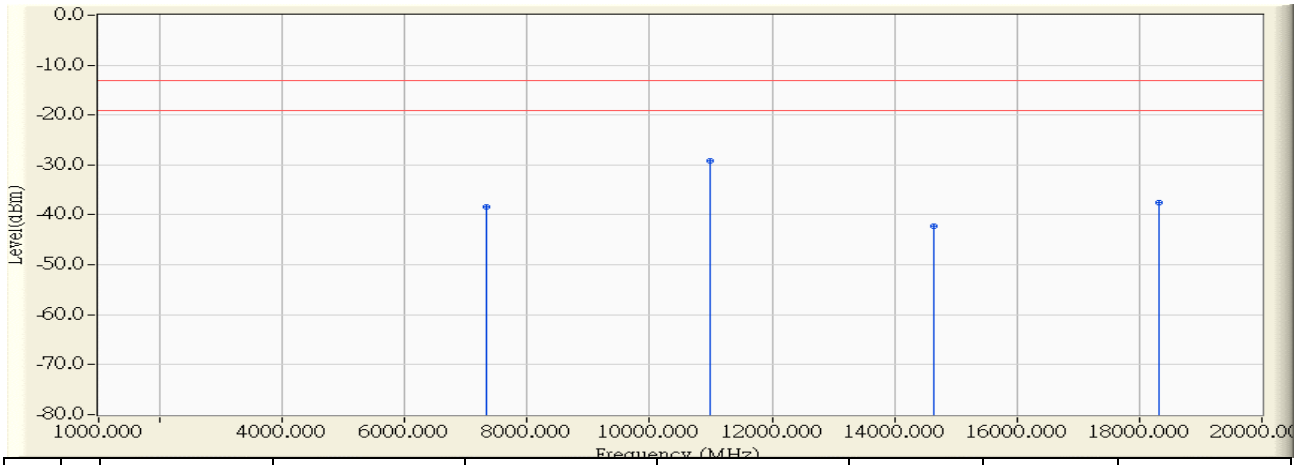


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7326.520	20.207	-55.249	-35.042	-22.042	-13.000	PEAK
2	*	10988.600	25.530	-54.470	-28.939	-15.939	-13.000	PEAK
3		14649.040	28.345	-68.143	-39.797	-26.797	-13.000	PEAK
4		18309.960	31.900	-69.351	-37.451	-24.451	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 15:07**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 4: Transmit (7MHz BW_QPSK1/2) _3662.5MHz**

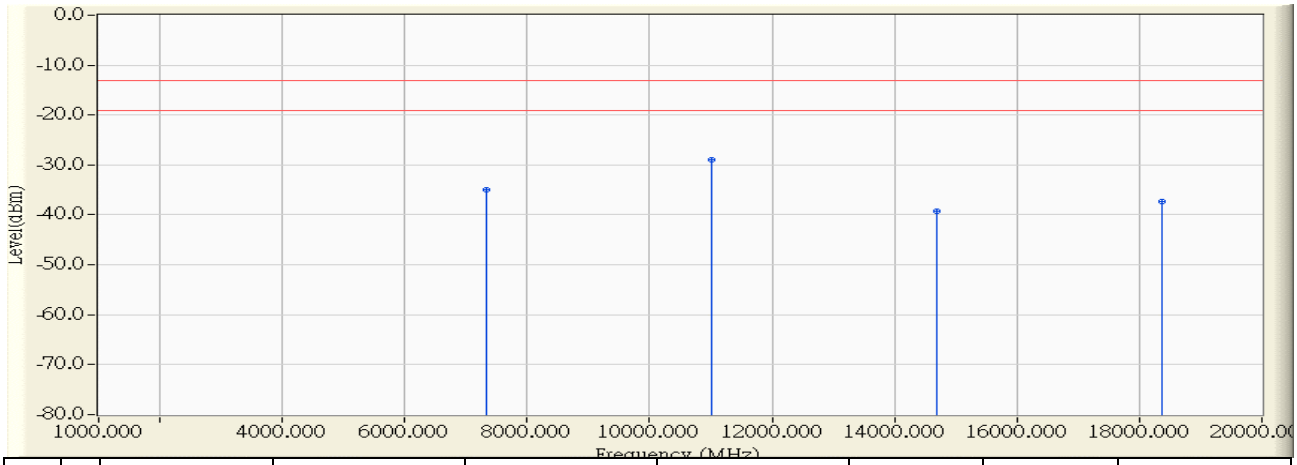


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7326.560	19.542	-57.894	-38.353	-25.353	-13.000	PEAK
2	*	10990.080	25.411	-54.597	-29.185	-16.185	-13.000	PEAK
3		14650.520	27.139	-69.481	-42.342	-29.342	-13.000	PEAK
4		18321.380	31.300	-68.796	-37.496	-24.496	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 15:15**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 4: Transmit (7MHz BW_QPSK1/2) _3671.5MHz**

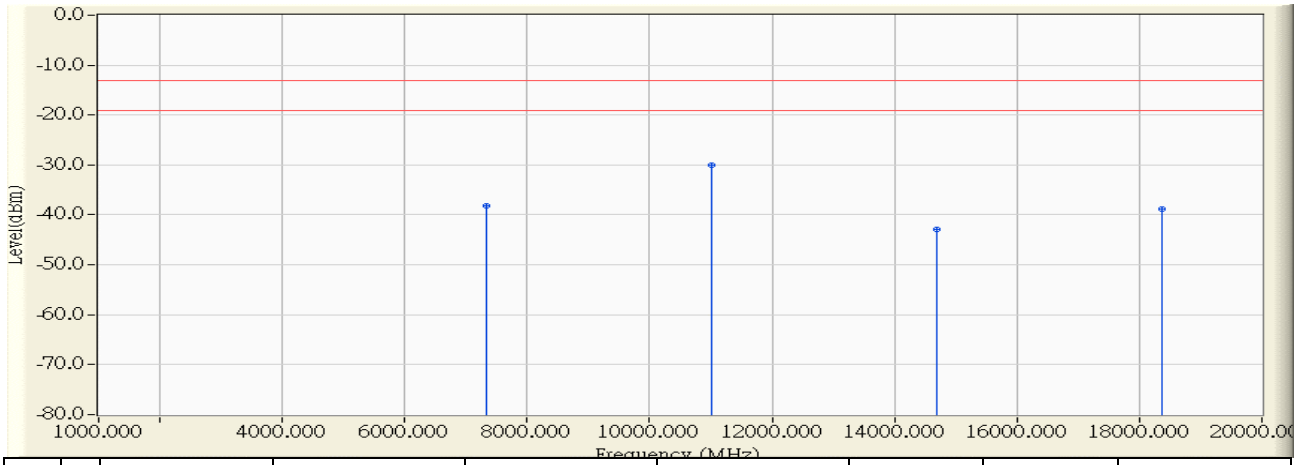


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7343.580	20.232	-55.196	-34.964	-21.964	-13.000	PEAK
2	*	11012.200	25.607	-54.660	-29.054	-16.054	-13.000	PEAK
3		14684.320	28.354	-67.637	-39.283	-26.283	-13.000	PEAK
4		18365.780	31.900	-69.265	-37.365	-24.365	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 15:19**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 4: Transmit (7MHz BW_QPSK1/2) _3671.5MHz**

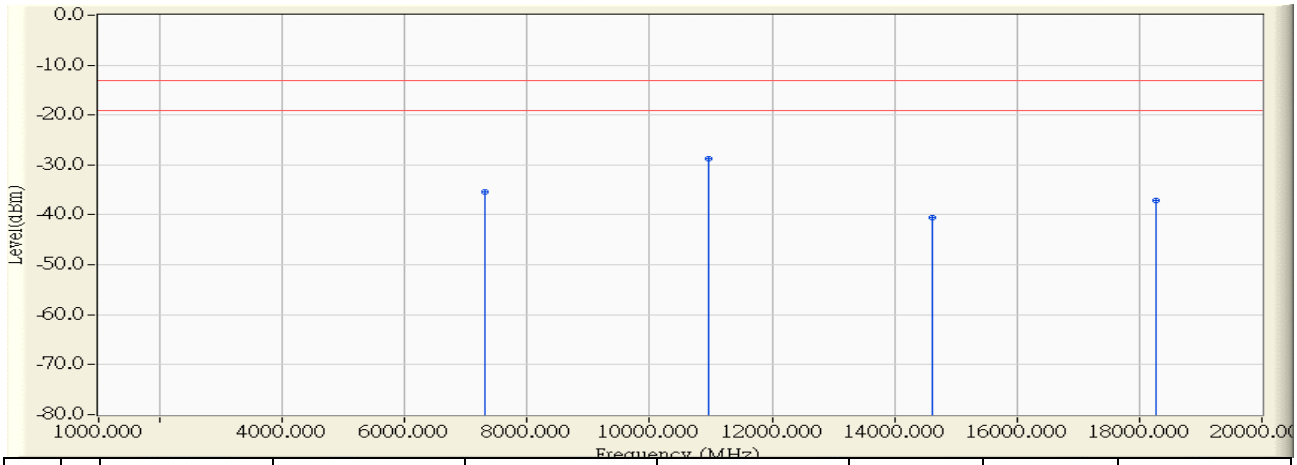


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7344.180	19.607	-57.830	-38.223	-25.223	-13.000	PEAK
2	*	11013.020	25.468	-55.492	-30.024	-17.024	-13.000	PEAK
3		14683.800	27.196	-70.017	-42.821	-29.821	-13.000	PEAK
4		18364.640	31.300	-70.207	-38.907	-25.907	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 15:24**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 5: Transmit (7MHz BW_16QAM1/2) _3653.5MHz**

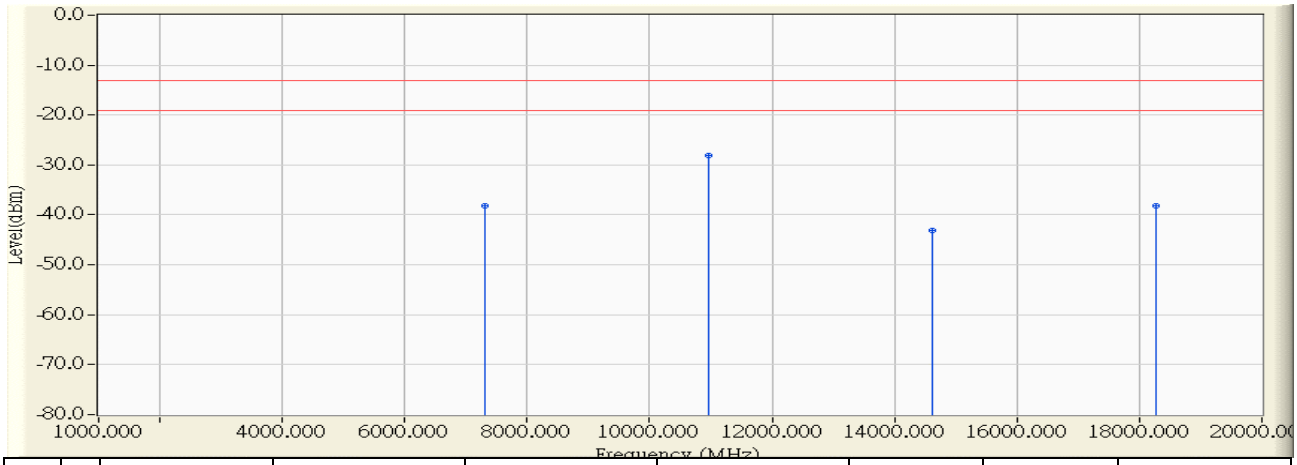


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7309.120	20.181	-55.504	-35.323	-22.323	-13.000	PEAK
2	*	10955.760	25.360	-53.999	-28.638	-15.638	-13.000	PEAK
3		14619.320	28.339	-68.848	-40.509	-27.509	-13.000	PEAK
4		18263.420	31.900	-68.932	-37.032	-24.032	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 15:26**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 5: Transmit (7MHz BW_16QAM1/2) _3653.5MHz**

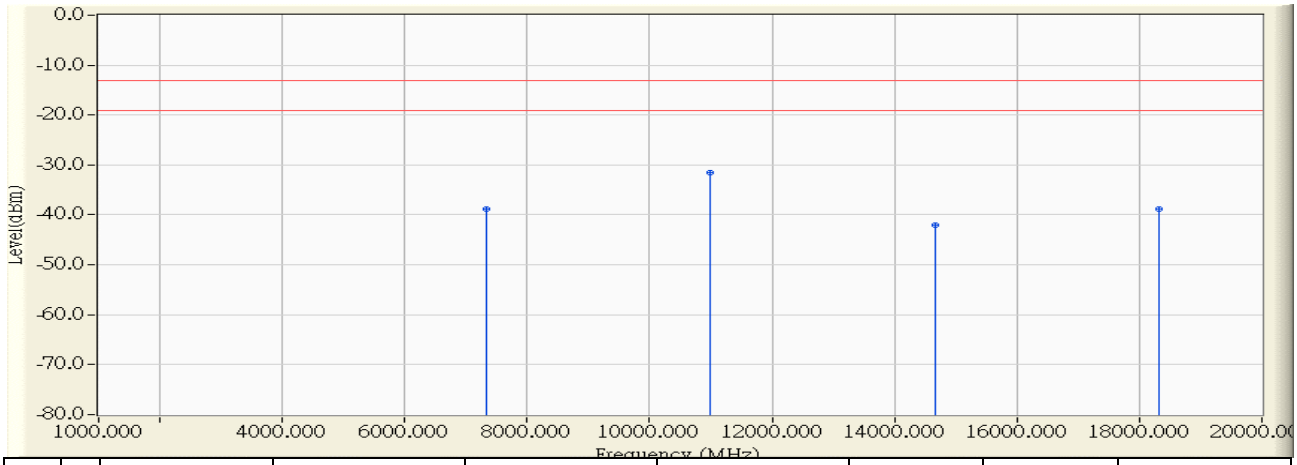


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7308.820	19.474	-57.692	-38.217	-25.217	-13.000	PEAK
2	*	10957.000	25.252	-53.297	-28.046	-15.046	-13.000	PEAK
3		14613.540	27.076	-70.288	-43.213	-30.213	-13.000	PEAK
4		18273.940	31.300	-69.425	-38.125	-25.125	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 15:34**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 5: Transmit (7MHz BW_16QAM1/2) _3662.5MHz**

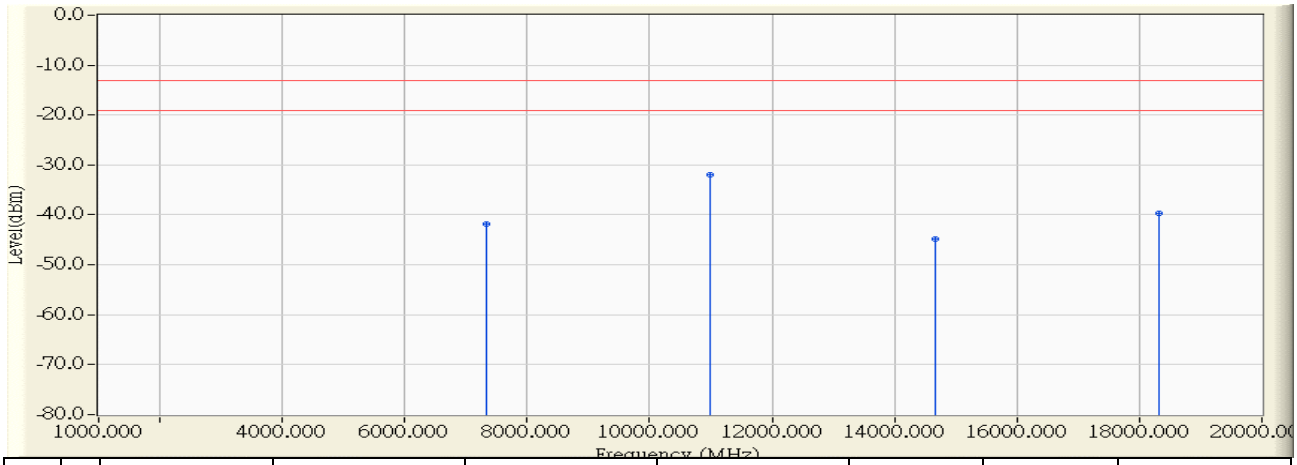


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7323.210	20.201	-58.972	-38.770	-25.770	-13.000	PEAK
2	*	10987.320	25.525	-57.112	-31.588	-18.588	-13.000	PEAK
3		14654.323	28.347	-70.408	-42.061	-29.061	-13.000	PEAK
4		18317.120	31.900	-70.821	-38.921	-25.921	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 15:37**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 5: Transmit (7MHz BW_16QAM1/2) _3662.5MHz**

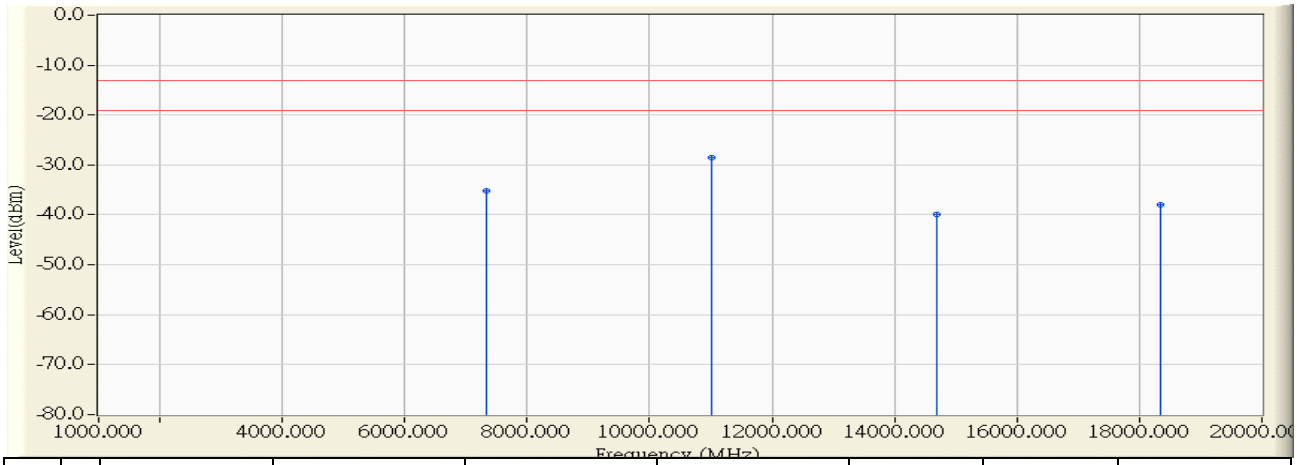


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7323.150	19.528	-61.305	-41.776	-28.776	-13.000	PEAK
2	*	10986.679	25.396	-57.301	-31.906	-18.906	-13.000	PEAK
3		14654.123	27.145	-71.916	-44.771	-31.771	-13.000	PEAK
4		18317.847	31.300	-70.961	-39.661	-26.661	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 15:39**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 5: Transmit (7MHz BW_16QAM1/2) _3671.5MHz**

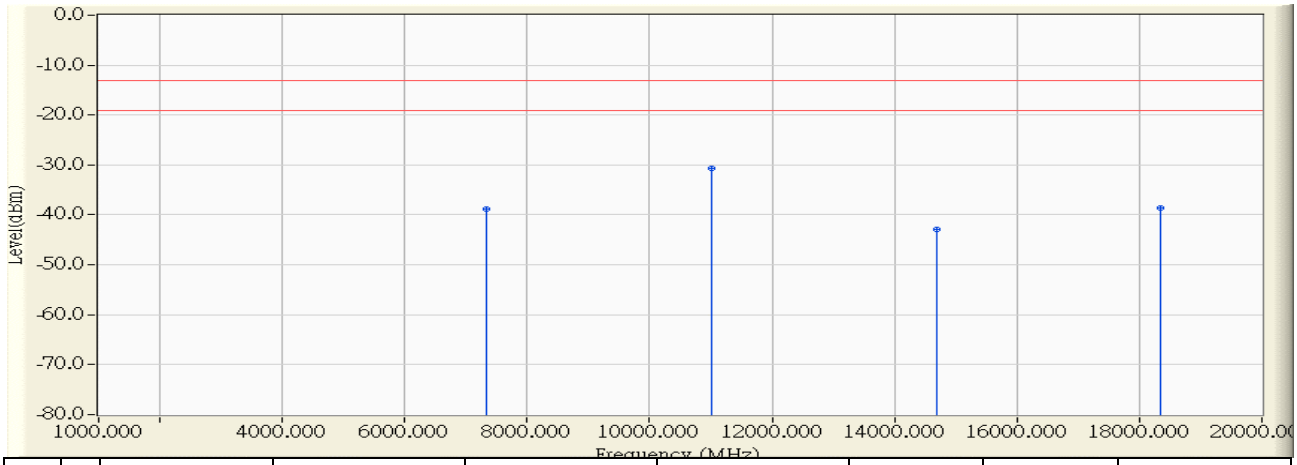


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7340.380	20.227	-55.431	-35.204	-22.204	-13.000	PEAK
2	*	11019.100	25.617	-54.145	-28.529	-15.529	-13.000	PEAK
3		14687.300	28.355	-68.301	-39.946	-26.946	-13.000	PEAK
4		18348.520	31.900	-69.949	-38.049	-25.049	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 15:41**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 5: Transmit (7MHz BW_16QAM1/2) _3671.5MHz**

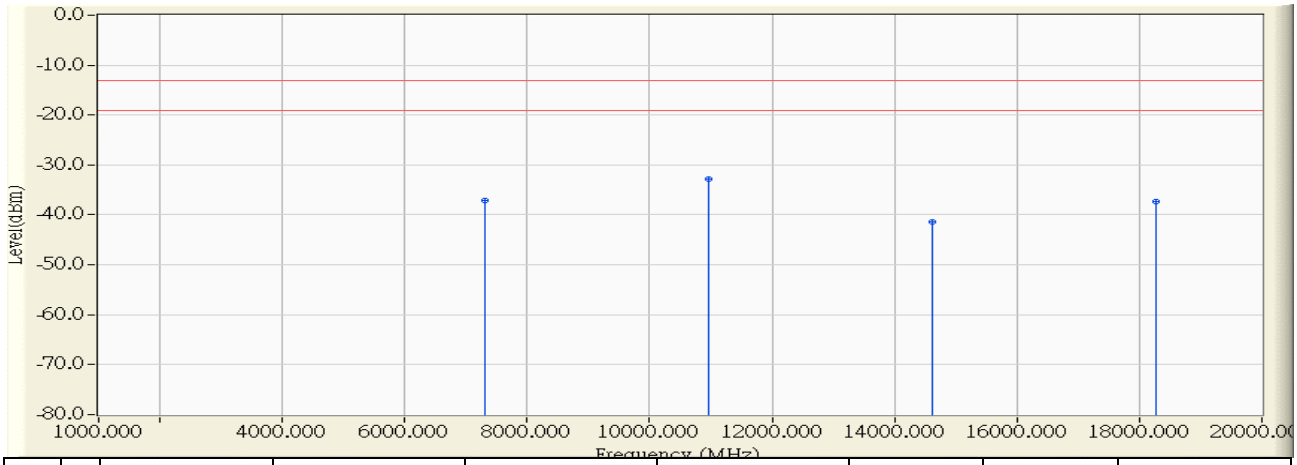


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7343.220	19.603	-58.351	-38.747	-25.747	-13.000	PEAK
2	*	11015.700	25.469	-56.175	-30.706	-17.706	-13.000	PEAK
3		14678.260	27.186	-70.079	-42.892	-29.892	-13.000	PEAK
4		18349.060	31.300	-69.930	-38.630	-25.630	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 15:44**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 6: Transmit (7MHz BW_64QAM2/3) _3653.5MHz**

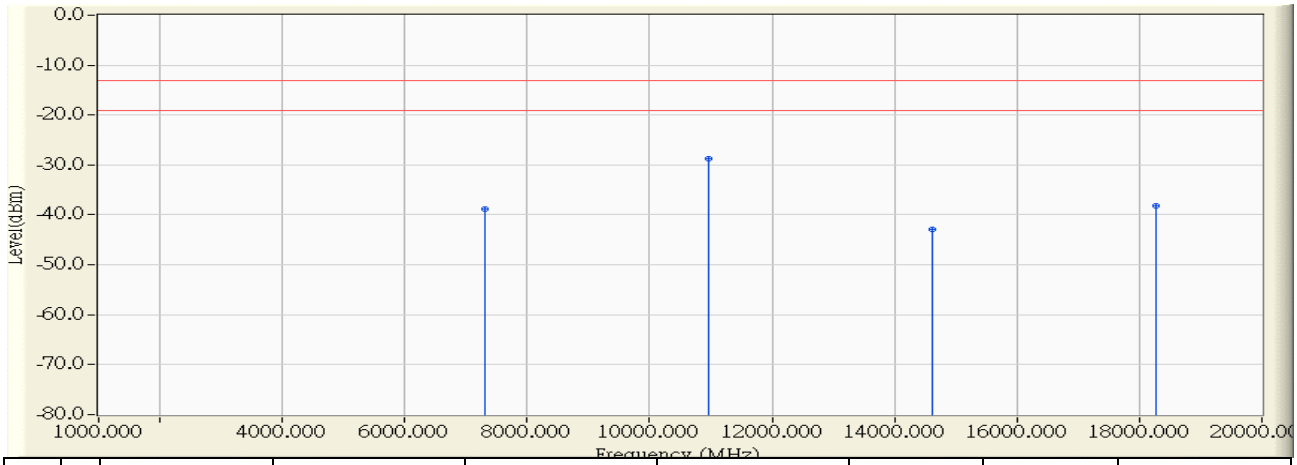


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7305.240	20.176	-57.234	-37.058	-24.058	-13.000	PEAK
2	*	10964.200	25.405	-58.142	-32.737	-19.737	-13.000	PEAK
3		14609.840	28.336	-69.825	-41.489	-28.489	-13.000	PEAK
4		18267.200	31.900	-69.260	-37.360	-24.360	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 15:50**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 6: Transmit (7MHz BW_64QAM2/3) _3653.5MHz**

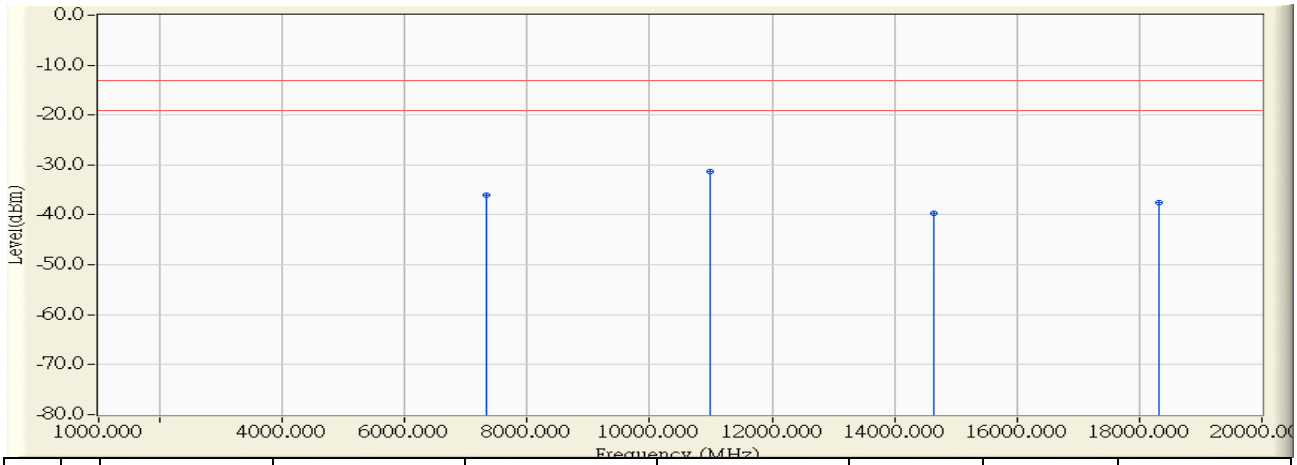


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7305.580	19.463	-58.314	-38.851	-25.851	-13.000	PEAK
2	*	10960.760	25.269	-54.007	-28.738	-15.738	-13.000	PEAK
3		14620.169	27.087	-70.011	-42.924	-29.924	-13.000	PEAK
4		18266.540	31.300	-69.556	-38.256	-25.256	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 15:54**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 6: Transmit (7MHz BW_64QAM2/3) _3662.5MHz**

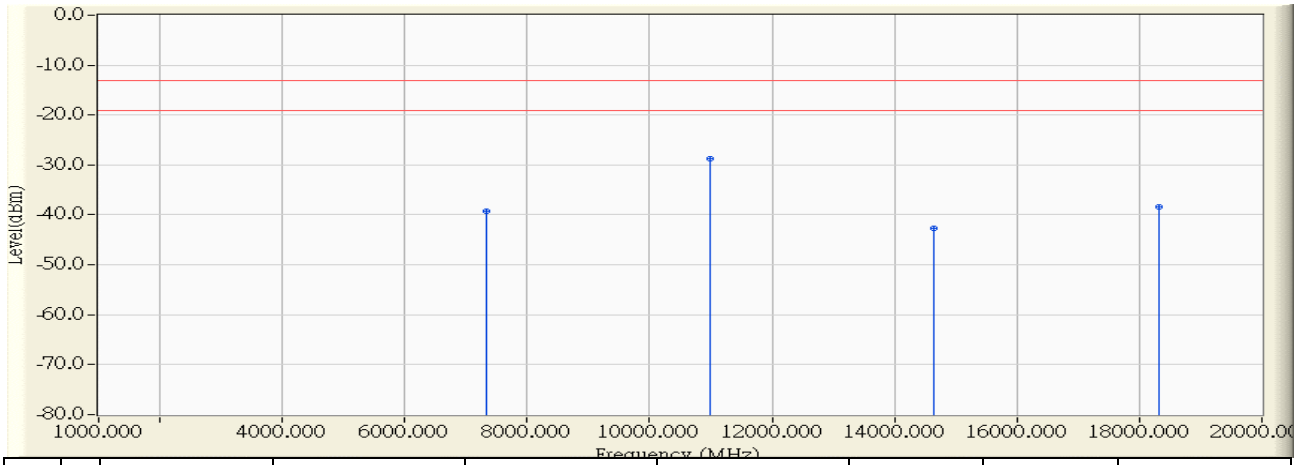


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7324.240	20.204	-56.171	-35.968	-22.968	-13.000	PEAK
2	*	10986.660	25.521	-56.912	-31.391	-18.391	-13.000	PEAK
3		14648.540	28.346	-68.004	-39.658	-26.658	-13.000	PEAK
4		18318.840	31.900	-69.525	-37.625	-24.625	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 15:56**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 6: Transmit (7MHz BW_64QAM2/3) _3662.5MHz**

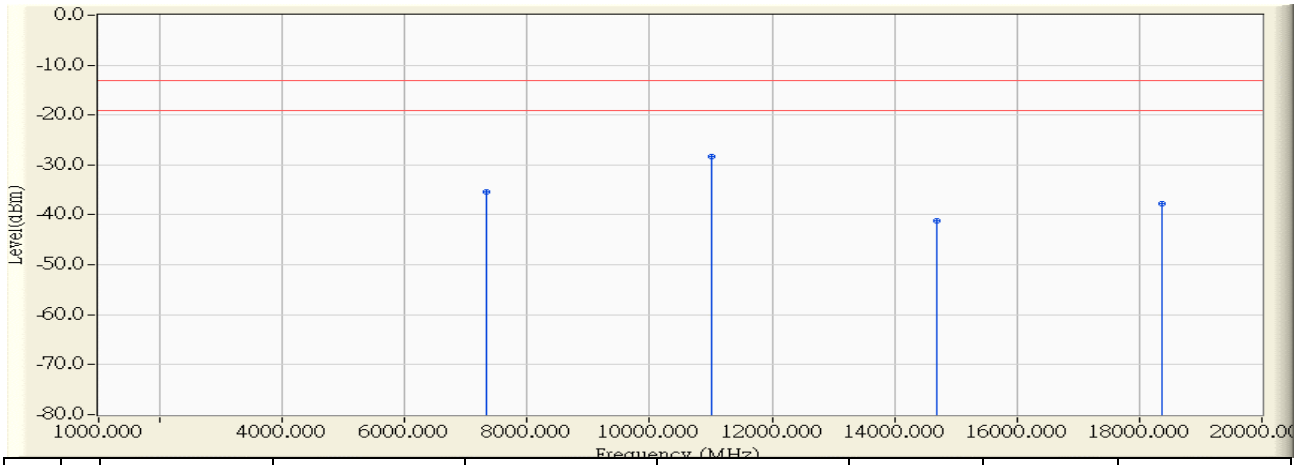


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7324.180	19.533	-58.743	-39.211	-26.211	-13.000	PEAK
2	*	10982.140	25.373	-54.091	-28.718	-15.718	-13.000	PEAK
3		14644.440	27.128	-69.907	-42.779	-29.779	-13.000	PEAK
4		18320.480	31.300	-69.796	-38.496	-25.496	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 15:59**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 6: Transmit (7MHz BW_64QAM2/3) _3671.5MHz**

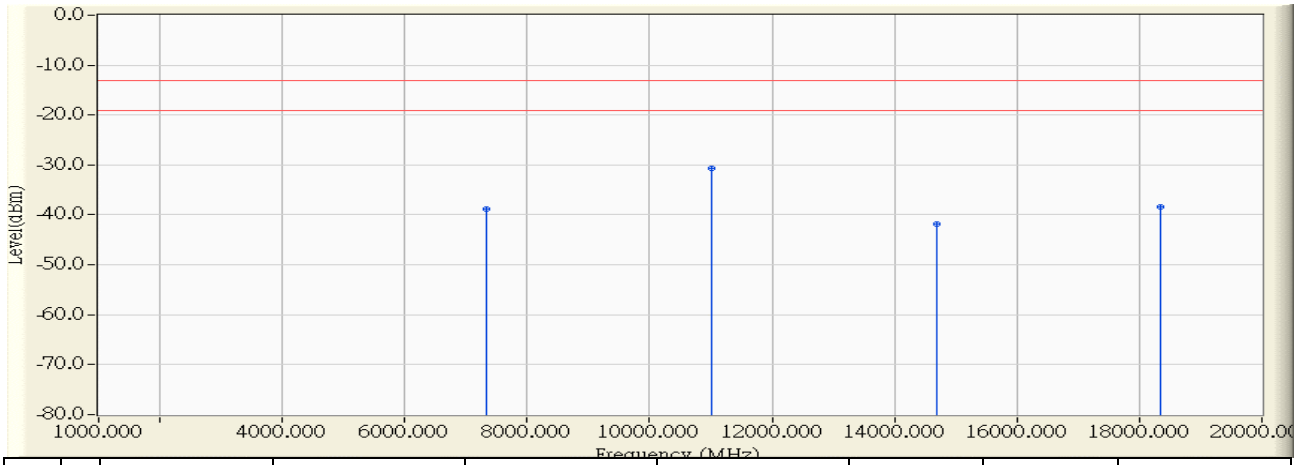


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7343.960	20.232	-55.716	-35.484	-22.484	-13.000	PEAK
2	*	11017.780	25.614	-54.018	-28.403	-15.403	-13.000	PEAK
3		14693.920	28.356	-69.488	-41.132	-28.132	-13.000	PEAK
4		18361.220	31.900	-69.683	-37.783	-24.783	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 16:01**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 6: Transmit (7MHz BW_64QAM2/3) _3671.5MHz**

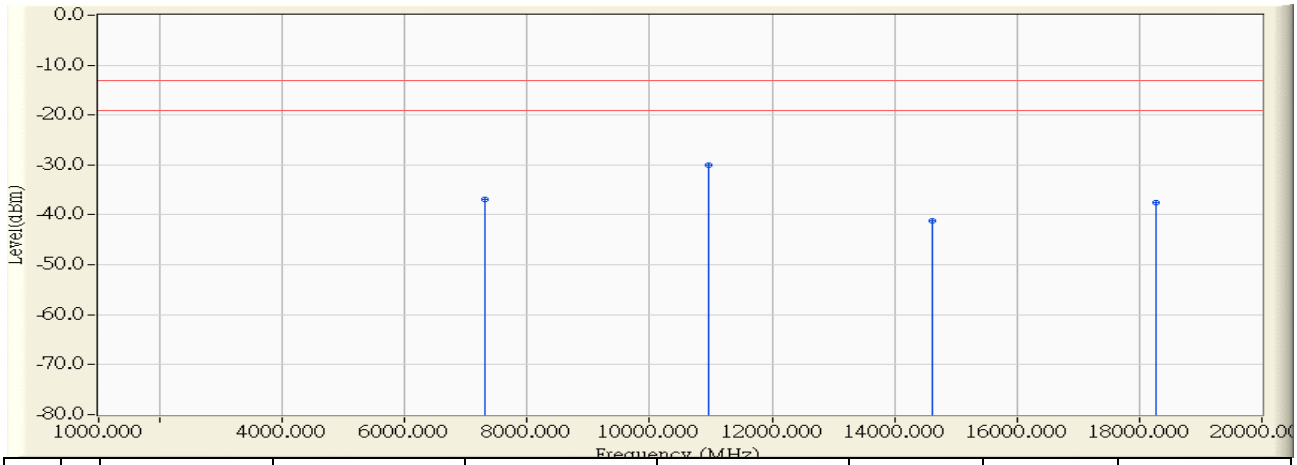


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7341.640	19.598	-58.381	-38.783	-25.783	-13.000	PEAK
2	*	11013.080	25.468	-56.055	-30.587	-17.587	-13.000	PEAK
3		14695.940	27.218	-69.004	-41.787	-28.787	-13.000	PEAK
4		18352.100	31.300	-69.585	-38.285	-25.285	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 16:04**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 7: Transmit (10MHz BW_QPSK1/2) _3655MHz**

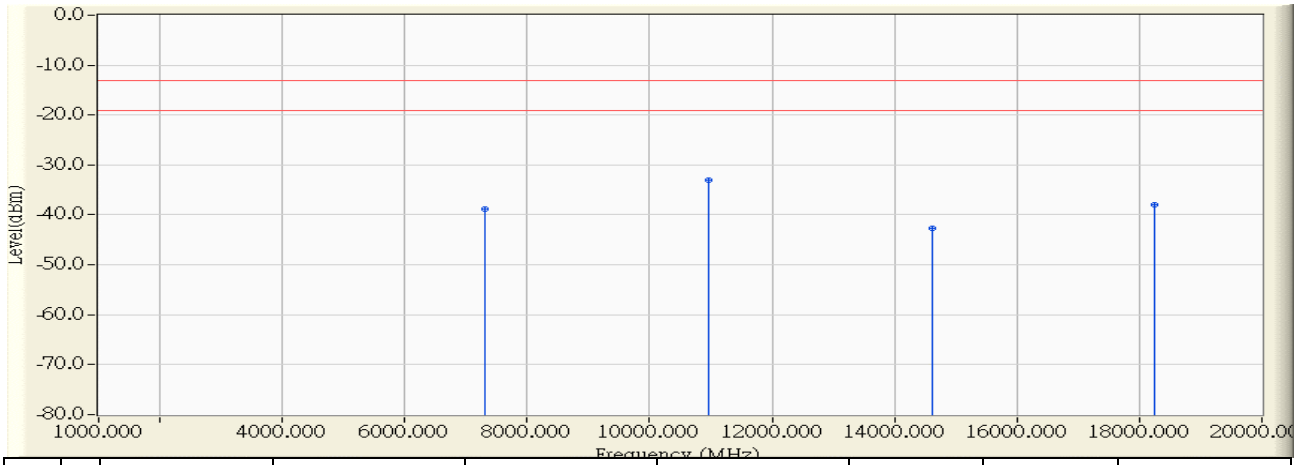


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7310.460	20.183	-57.064	-36.881	-23.881	-13.000	PEAK
2	*	10965.150	25.409	-55.461	-30.051	-17.051	-13.000	PEAK
3		14622.350	28.339	-69.589	-41.250	-28.250	-13.000	PEAK
4		18265.250	31.900	-69.432	-37.532	-24.532	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 16:06**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 7: Transmit (10MHz BW_QPSK1/2) _3655MHz**

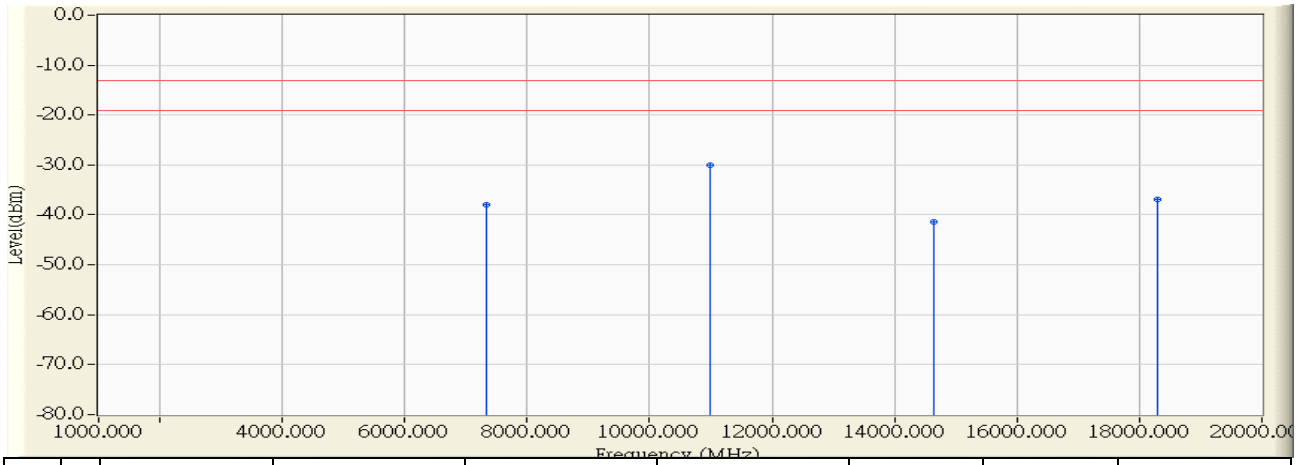


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7310.400	19.481	-58.324	-38.843	-25.843	-13.000	PEAK
2	*	10965.850	25.293	-58.409	-33.115	-20.115	-13.000	PEAK
3		14610.300	27.070	-69.661	-42.591	-29.591	-13.000	PEAK
4		18250.400	31.300	-69.335	-38.035	-25.035	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 16:10**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 7: Transmit (10MHz BW_QPSK1/2) _3662.5MHz**

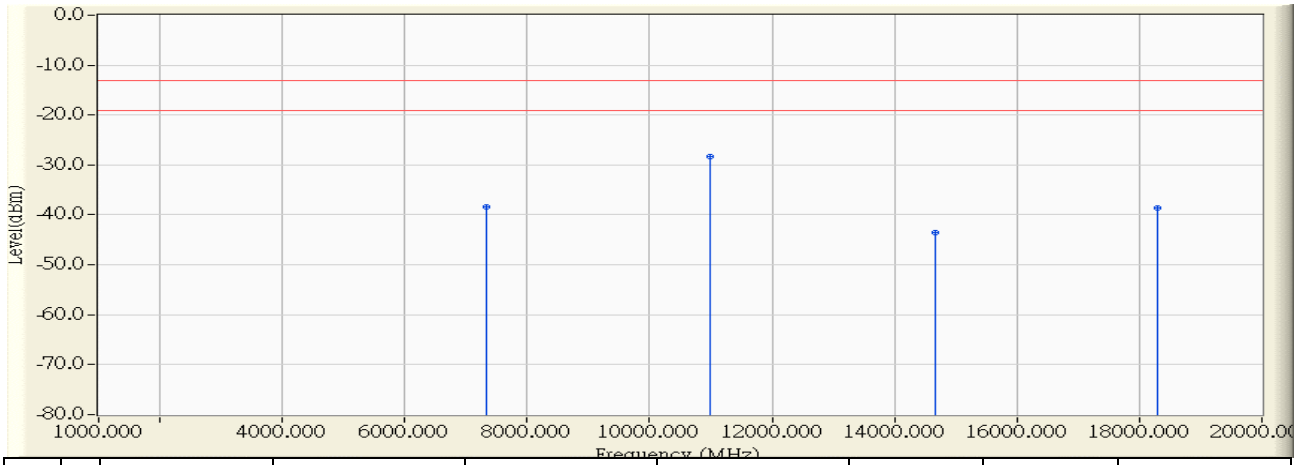


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7324.980	20.204	-58.219	-38.014	-25.014	-13.000	PEAK
2	*	10982.940	25.501	-55.633	-30.131	-17.131	-13.000	PEAK
3		14653.060	28.347	-69.734	-41.387	-28.387	-13.000	PEAK
4		18305.380	31.900	-68.853	-36.953	-23.953	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 16:11**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 7: Transmit (10MHz BW_QPSK1/2) _3662.5MHz**

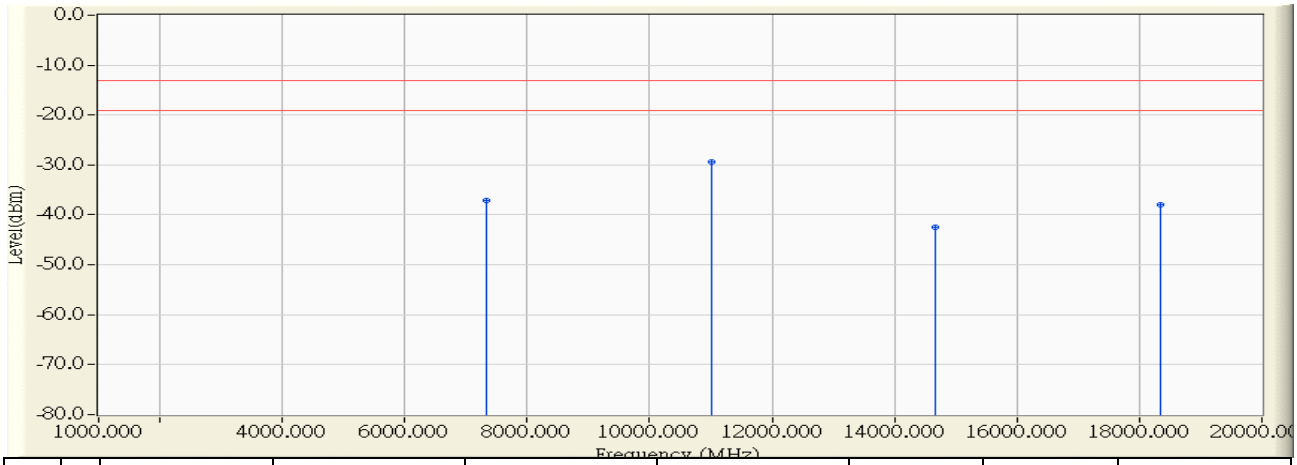


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7325.260	19.536	-57.907	-38.370	-25.370	-13.000	PEAK
2	*	10986.600	25.395	-53.813	-28.418	-15.418	-13.000	PEAK
3		14655.100	27.147	-70.679	-43.532	-30.532	-13.000	PEAK
4		18288.150	31.300	-69.806	-38.506	-25.506	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 16:14**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 7: Transmit (10MHz BW_QPSK1/2) _3670MHz**

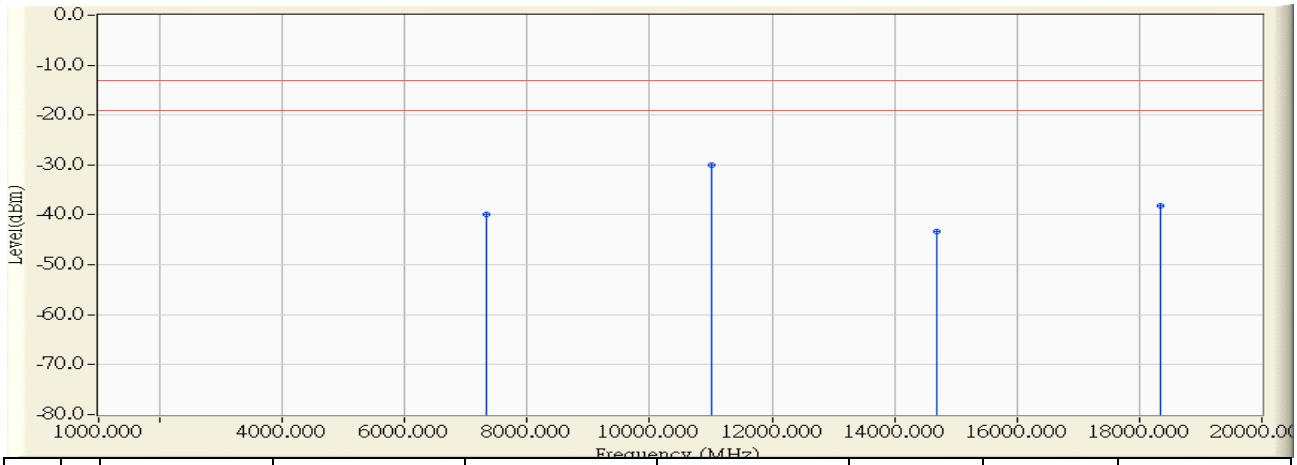


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7339.900	20.226	-57.281	-37.055	-24.055	-13.000	PEAK
2	*	11012.850	25.608	-54.913	-29.305	-16.305	-13.000	PEAK
3		14671.750	28.351	-70.750	-42.399	-29.399	-13.000	PEAK
4		18335.000	31.900	-69.910	-38.010	-25.010	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 16:16**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 7: Transmit (10MHz BW_QPSK1/2) _3670MHz**

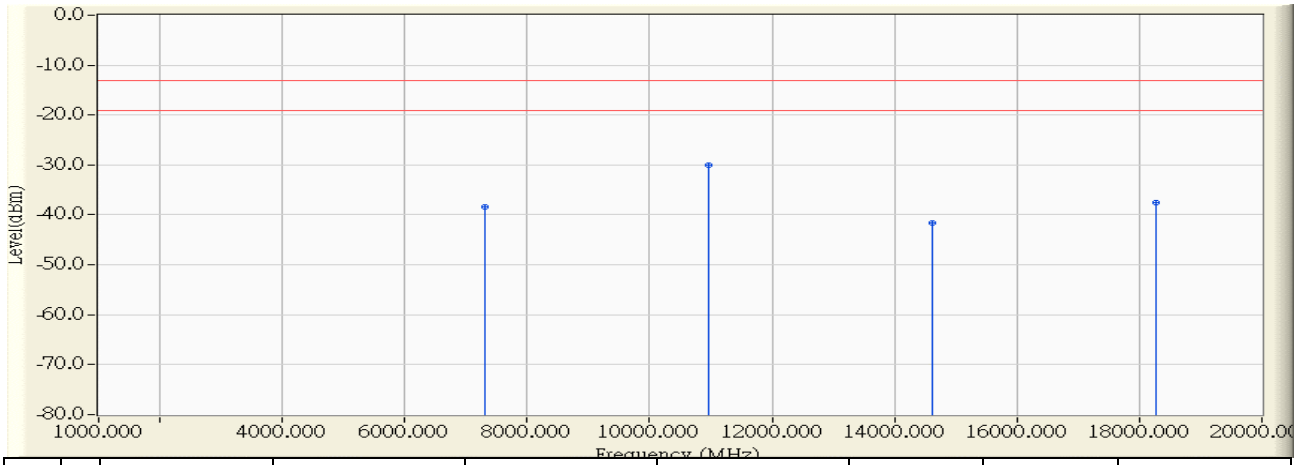


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7338.750	19.587	-59.450	-39.863	-26.863	-13.000	PEAK
2	*	11011.100	25.465	-55.414	-29.949	-16.949	-13.000	PEAK
3		14684.600	27.198	-70.511	-43.313	-30.313	-13.000	PEAK
4		18340.050	31.300	-69.454	-38.154	-25.154	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 16:21**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 8: Transmit (10MHz BW_16QAM1/2) _3655MHz**

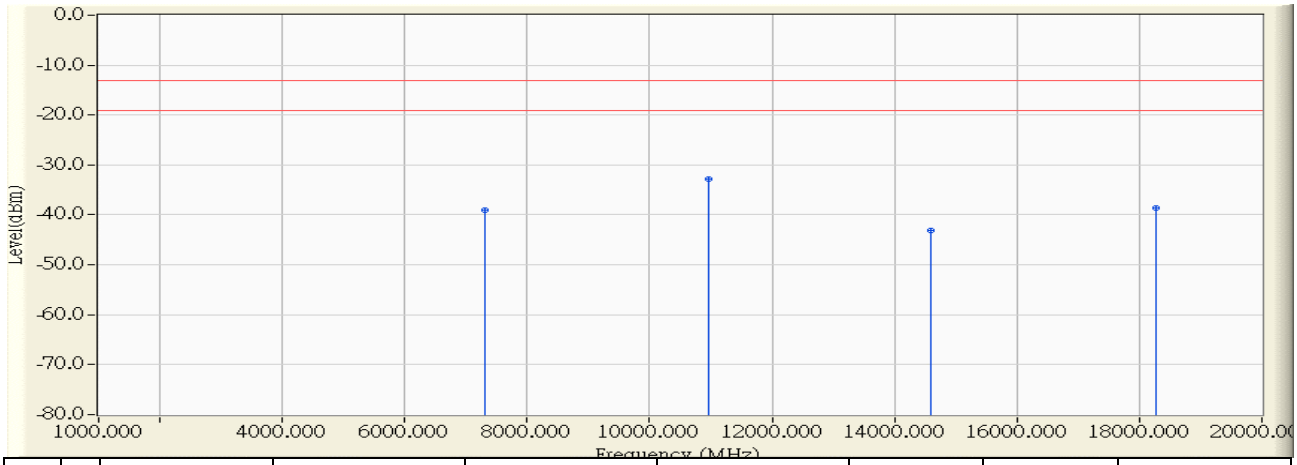


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7310.350	20.183	-58.542	-38.359	-25.359	-13.000	PEAK
2	*	10972.750	25.449	-55.423	-29.974	-16.974	-13.000	PEAK
3		14613.400	28.338	-69.928	-41.591	-28.591	-13.000	PEAK
4		18270.050	31.900	-69.518	-37.618	-24.618	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 16:23**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 8: Transmit (10MHz BW_16QAM1/2) _3655MHz**

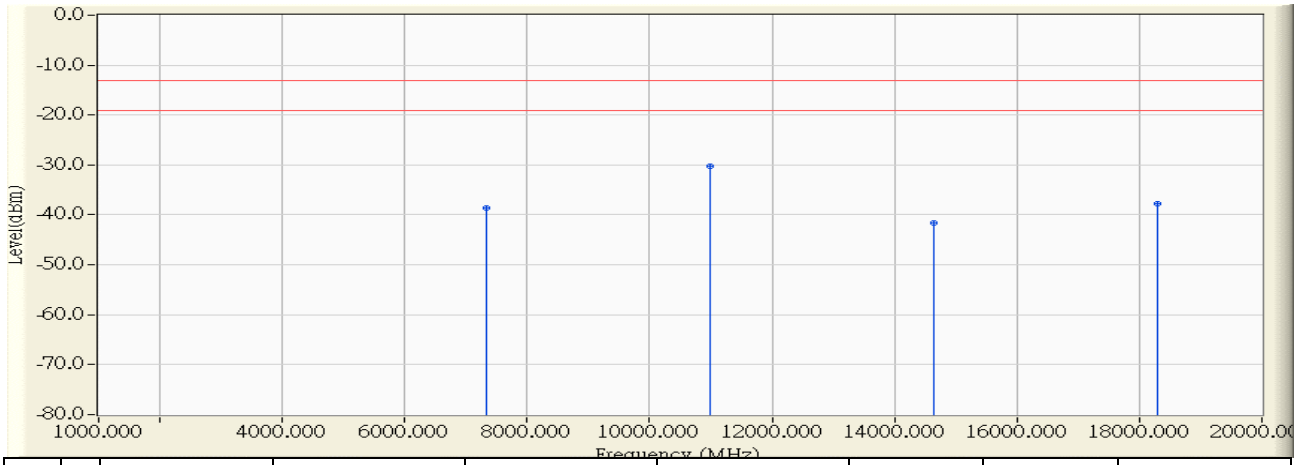


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7309.950	19.479	-58.597	-39.118	-26.118	-13.000	PEAK
2	*	10962.550	25.278	-58.012	-32.734	-19.734	-13.000	PEAK
3		14597.400	27.048	-70.085	-43.037	-30.037	-13.000	PEAK
4		18278.950	31.300	-69.903	-38.603	-25.603	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 16:26**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 8: Transmit (10MHz BW_16QAM1/2) _3662.5MHz**

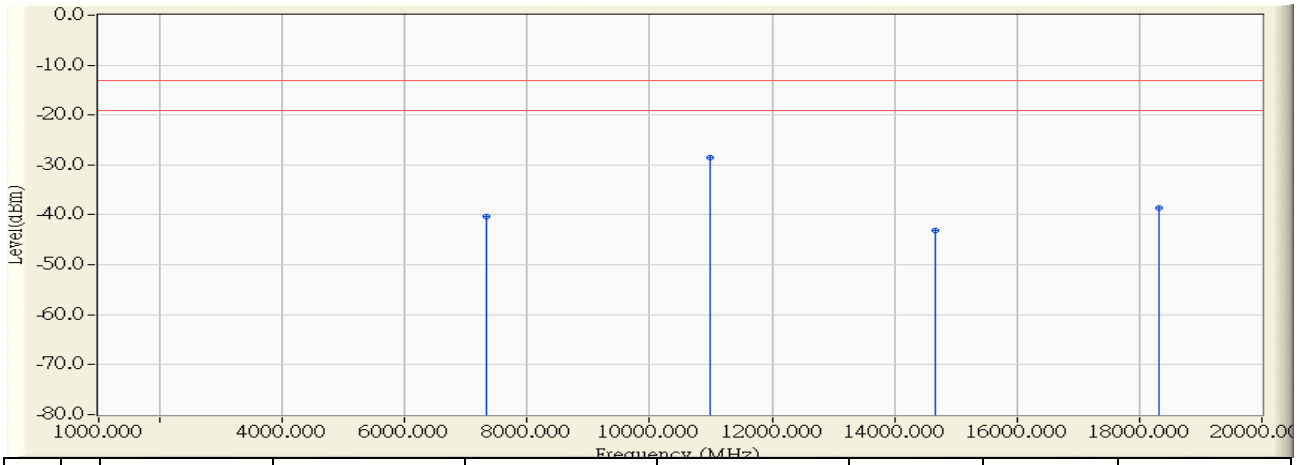


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7326.800	20.207	-58.766	-38.559	-25.559	-13.000	PEAK
2	*	10989.800	25.537	-55.818	-30.281	-17.281	-13.000	PEAK
3		14649.200	28.346	-69.945	-41.599	-28.599	-13.000	PEAK
4		18301.500	31.900	-69.717	-37.817	-24.817	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 16:27**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 8: Transmit (10MHz BW_16QAM1/2) _3662.5MHz**

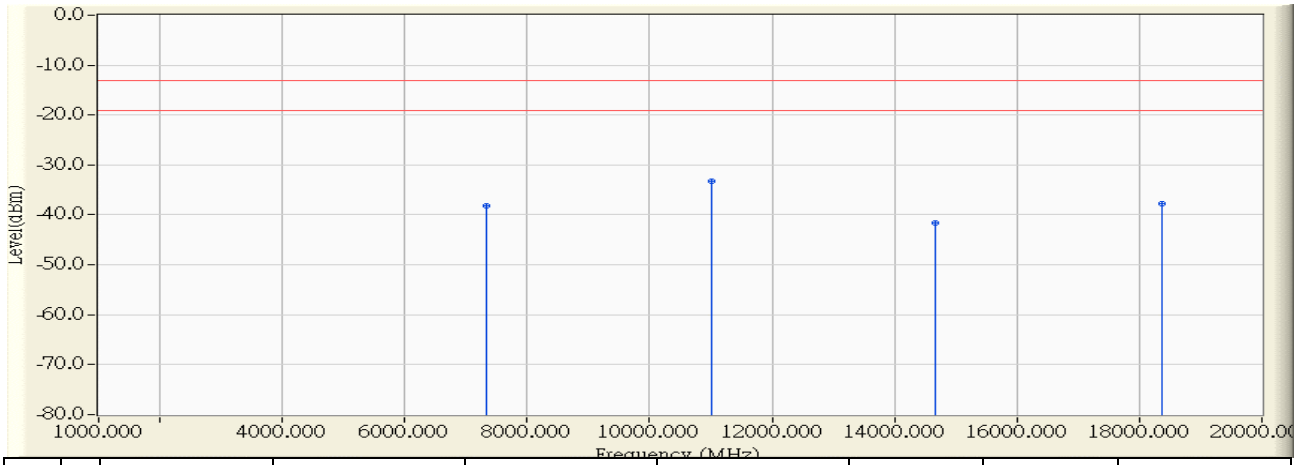


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7326.900	19.543	-59.830	-40.287	-27.287	-13.000	PEAK
2	*	10988.550	25.404	-53.979	-28.575	-15.575	-13.000	PEAK
3		14663.000	27.161	-70.228	-43.068	-30.068	-13.000	PEAK
4		18328.150	31.300	-69.867	-38.567	-25.567	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 16:30**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 8: Transmit (10MHz BW_16QAM1/2) _3670MHz**

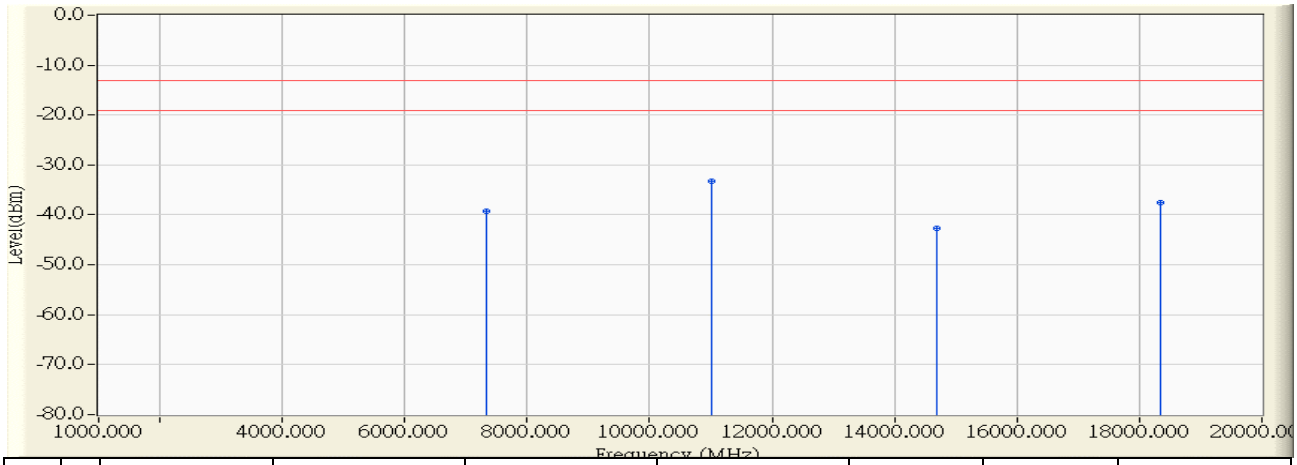


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7343.200	20.230	-58.483	-38.252	-25.252	-13.000	PEAK
2	*	11010.780	25.603	-58.777	-33.174	-20.174	-13.000	PEAK
3		14676.120	28.353	-69.920	-41.568	-28.568	-13.000	PEAK
4		18355.900	31.900	-69.711	-37.811	-24.811	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 16:32**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 8: Transmit (10MHz BW_16QAM1/2) _3670MHz**

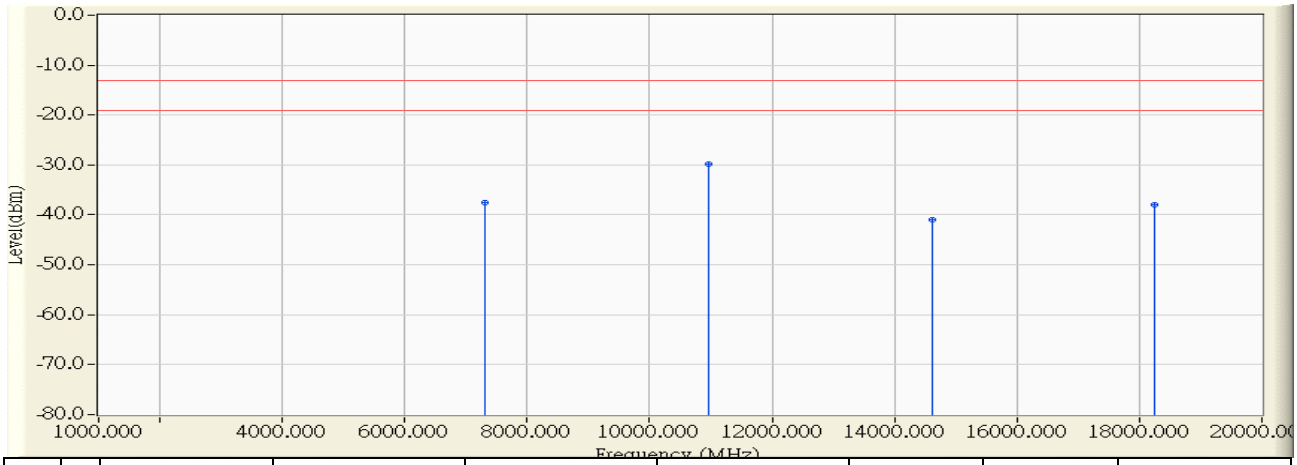


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7336.400	19.578	-58.841	-39.263	-26.263	-13.000	PEAK
2	*	11013.740	25.468	-58.654	-33.186	-20.186	-13.000	PEAK
3		14686.320	27.200	-69.886	-42.686	-29.686	-13.000	PEAK
4		18348.100	31.300	-68.915	-37.615	-24.615	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 16:36**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 9: Transmit (10MHz BW_64QAM2/3) _3655MHz**

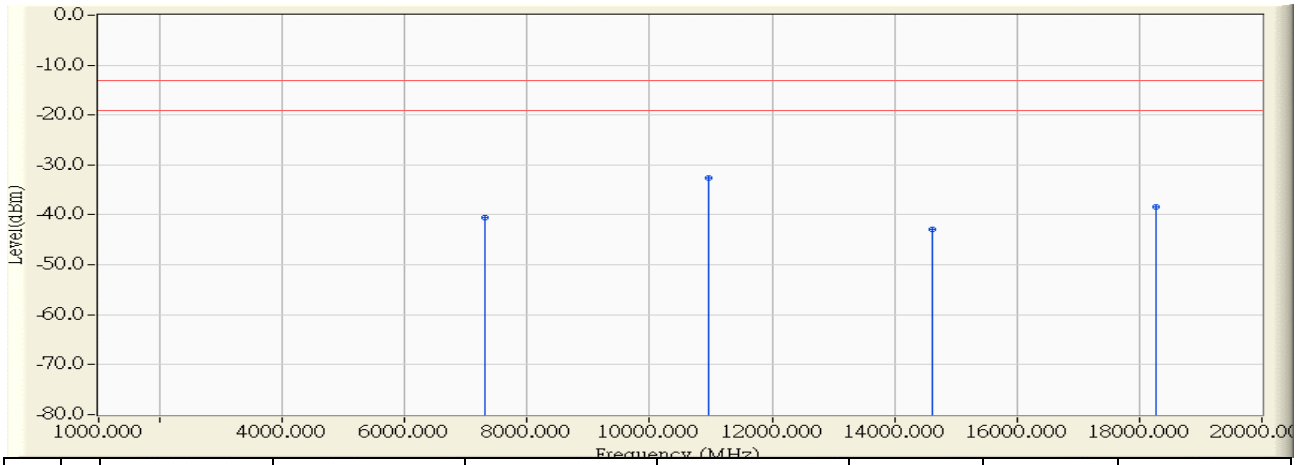


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7310.200	20.183	-57.809	-37.626	-24.626	-13.000	PEAK
2	*	10970.750	25.438	-55.313	-29.875	-16.875	-13.000	PEAK
3		14607.200	28.336	-69.357	-41.021	-28.021	-13.000	PEAK
4		18256.950	31.900	-69.757	-37.857	-24.857	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 16:37**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 9: Transmit (10MHz BW_64QAM2/3) _3655MHz**

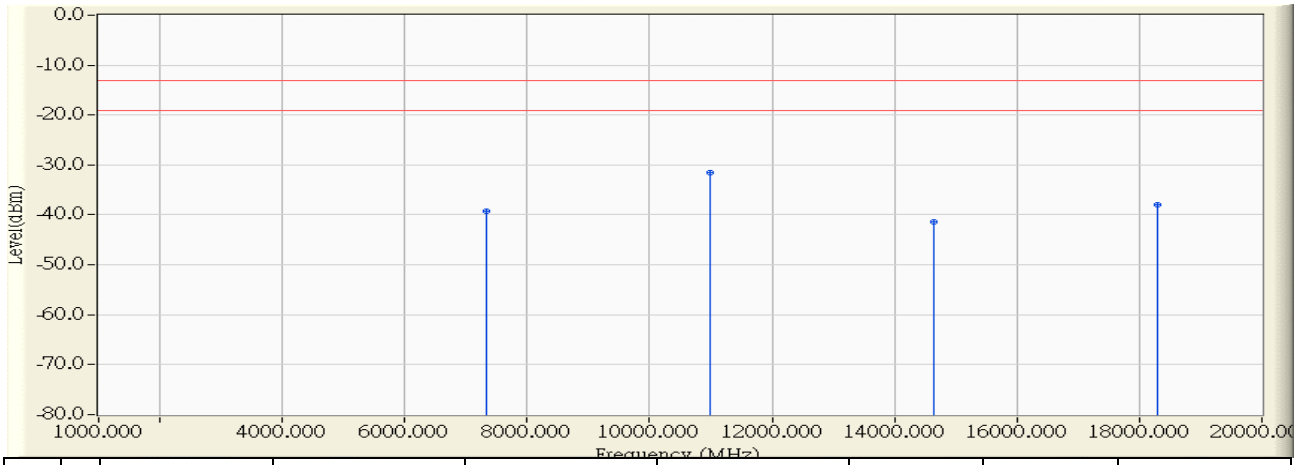


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7307.300	19.469	-59.922	-40.453	-27.453	-13.000	PEAK
2	*	10966.800	25.299	-57.954	-32.655	-19.655	-13.000	PEAK
3		14610.850	27.071	-69.931	-42.860	-29.860	-13.000	PEAK
4		18264.850	31.300	-69.620	-38.320	-25.320	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 16:40**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 9: Transmit (10MHz BW_64QAM2/3) _3662.5MHz**

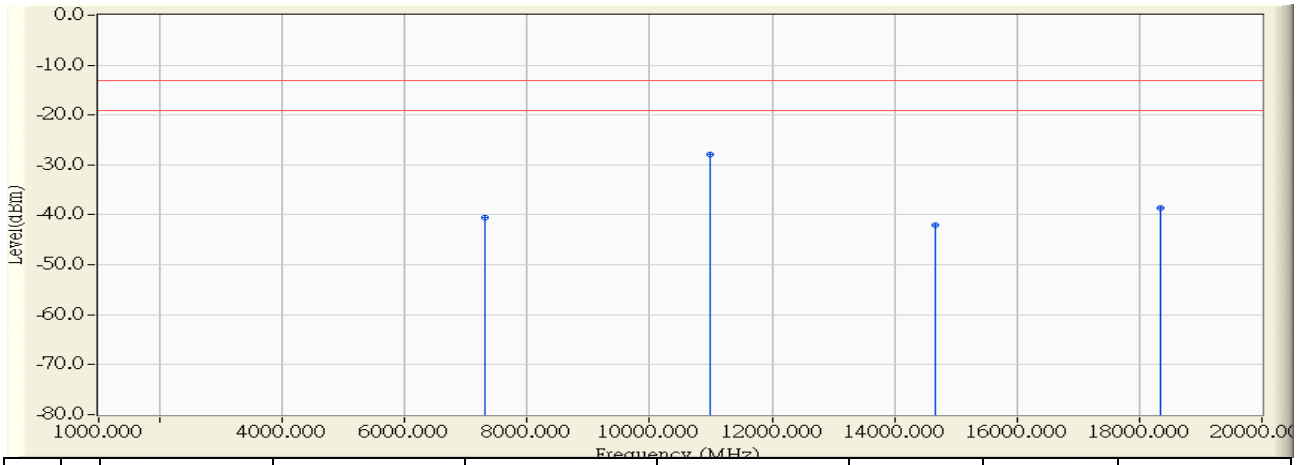


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7326.050	20.206	-59.502	-39.296	-26.296	-13.000	PEAK
2	*	10984.200	25.509	-57.020	-31.512	-18.512	-13.000	PEAK
3		14631.500	28.341	-69.787	-41.445	-28.445	-13.000	PEAK
4		18306.750	31.900	-69.838	-37.938	-24.938	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 16:43**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 9: Transmit (10MHz BW_64QAM2/3) _3662.5MHz**

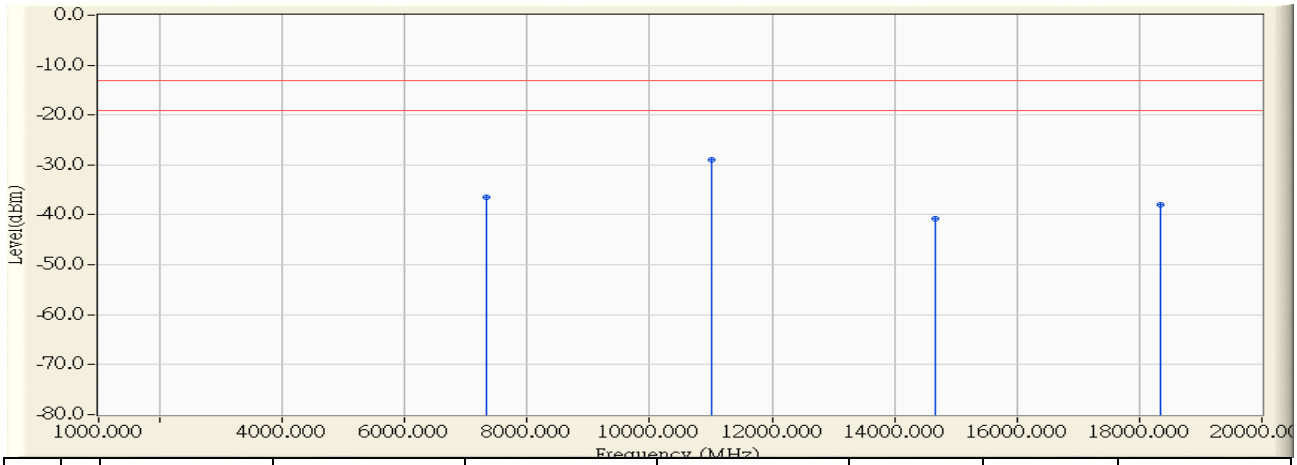


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7320.950	19.521	-60.132	-40.612	-27.612	-13.000	PEAK
2	*	10986.800	25.396	-53.347	-27.951	-14.951	-13.000	PEAK
3		14669.350	27.171	-69.282	-42.111	-29.111	-13.000	PEAK
4		18334.850	31.300	-69.977	-38.677	-25.677	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 16:45**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 9: Transmit (10MHz BW_64QAM2/3) _3670MHz**

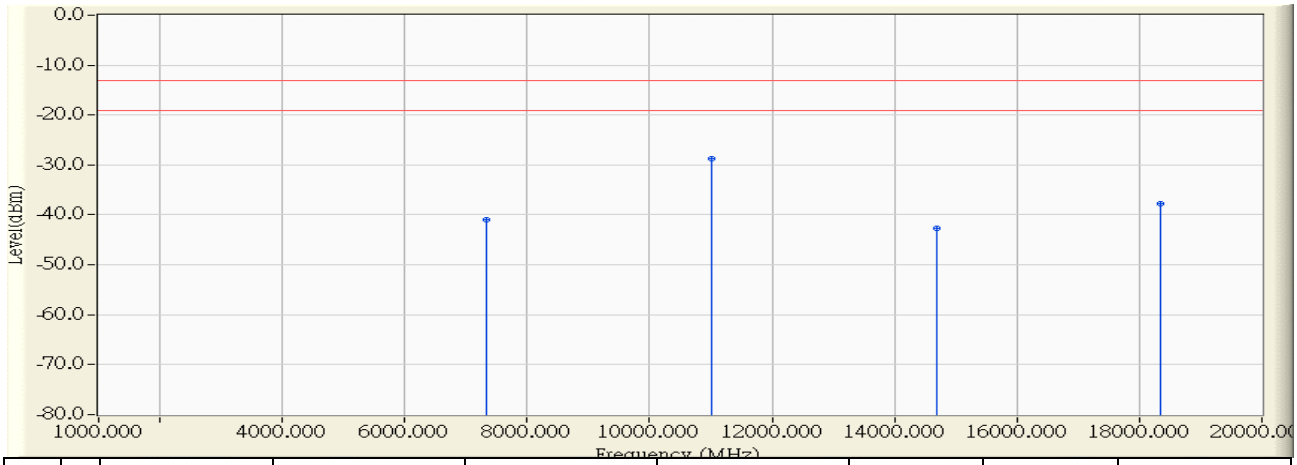


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7340.800	20.228	-56.603	-36.375	-23.375	-13.000	PEAK
2	*	11009.450	25.600	-54.605	-29.005	-16.005	-13.000	PEAK
3		14676.000	28.353	-69.143	-40.791	-27.791	-13.000	PEAK
4		18340.950	31.900	-69.803	-37.903	-24.903	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2011/11/23 - 16:47**
Limit : PART27(WiMAX)_00M_PK	**Margin : 6**
Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL	**Power : AC 120V/60Hz**
EUT : CPE 3.65GHz Outdoor	**Note : Mode 9: Transmit (10MHz BW_64QAM2/3) 2-3_3670MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		7335.950	19.577	-60.546	-40.970	-27.970	-13.000	PEAK
2	*	11001.400	25.450	-54.204	-28.755	-15.755	-13.000	PEAK
3		14685.900	27.200	-69.817	-42.617	-29.617	-13.000	PEAK
4		18332.650	31.300	-69.043	-37.743	-24.743	-13.000	PEAK

Note:

1. All Reading Levels are Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

8. Frequency Stability Over Temperatures Variation

8.1. Test Equipment

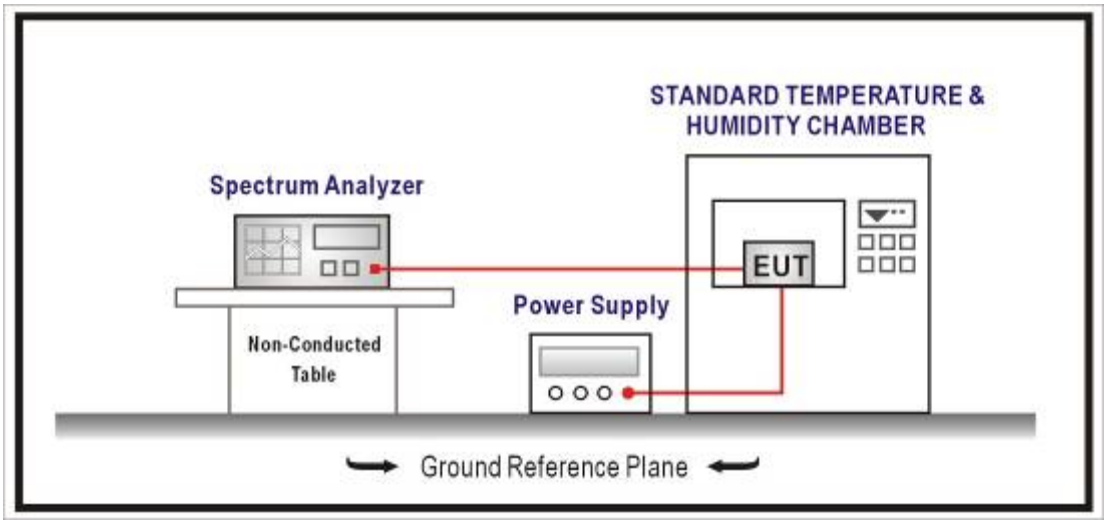
The following test equipments are used during the test:

Frequency Stability Over Temperatures Variation/ SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A	US47140172	2012/07/13
Standard Temperature & Humidity Chamber	WIT	TH-1S-B	1082101	2012/01/30

Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

8.2. Test Setup



8.3. Limits

The frequency stability shall be measured with variation of ambient temperature as follows: From -30° to +50° centigrade for all equipment. Frequency measurements shall be made at the extremes of the specified temperature range and at intervals of not more than 10° centigrade through the range.

8.4. Test Procedure

Power must be turned off when changing from one temperature to another. Power warm up is at least 15 min and power applied should perform before recording frequency error. The temperature range step is 10 degrees in this test items. All temperature levels shall be holding the ± 0.5℃ during the measurement testing. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

8.5. Test Specification:

FCC CFR Title 47 Part 90 Subpart Z, KDB 965270

8.6. Uncertainty

The measurement uncertainty is defined as ±100KHz

8.7. Test Result

Product	CPE 3.65GHz Outdoor		
Test Item	Frequency Stability Over Temperatures Variation		
Test Mode	Carrier Signal_5MHz		
Date of Test	2011/12/30	Test Site	SR7

Centre Frequency: 3652.5 MHz

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-30	120	3652.4950	-1.3689	Pass
-20		3652.4950	-1.3689	Pass
-10		3652.4950	-1.3689	Pass
0		3652.4950	-1.3689	Pass
20		3652.4950	-1.3689	Pass
30		3652.4950	-1.3689	Pass
40		3652.4950	-1.3689	Pass
50		3652.4950	-1.3689	Pass

Centre Frequency: 3662.5 MHz

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-30	120	3662.4950	-1.3652	Pass
-20		3662.4950	-1.3652	Pass
-10		3662.4950	-1.3652	Pass
0		3662.4950	-1.3652	Pass
20		3662.4950	-1.3652	Pass
30		3662.4950	-1.3652	Pass
40		3662.4950	-1.3652	Pass
50		3662.4950	-1.3652	Pass

Centre Frequency: 3672.5 MHz

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-30	120	3672.4950	-1.3615	Pass
-20		3672.4950	-1.3615	Pass
-10		3672.4950	-1.3615	Pass
0		3672.4950	-1.3615	Pass
20		3672.4950	-1.3615	Pass
30		3672.4950	-1.3615	Pass
40		3672.4950	-1.3615	Pass
50		3672.4950	-1.3615	Pass

Product	CPE 3.65GHz Outdoor		
Test Item	Frequency Stability Over Temperatures Variation		
Test Mode	Carrier Signal_7MHz		
Date of Test	2011/12/30	Test Site	SR7

Centre Frequency: 3653.5 MHz

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-30	120	3653.4950	-1.3686	Pass
-20		3653.4950	-1.3686	Pass
-10		3653.4950	-1.3686	Pass
0		3653.4950	-1.3686	Pass
20		3653.4950	-1.3686	Pass
30		3653.4950	-1.3686	Pass
40		3653.4950	-1.3686	Pass
50		3653.4950	-1.3686	Pass

Centre Frequency: 3662.5 MHz

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-30	120	3662.4950	-1.3652	Pass
-20		3662.4950	-1.3652	Pass
-10		3662.4950	-1.3652	Pass
0		3662.4950	-1.3652	Pass
20		3662.4950	-1.3652	Pass
30		3662.4950	-1.3652	Pass
40		3662.4950	-1.3652	Pass
50		3662.4950	-1.3652	Pass

Centre Frequency: 3671.5 MHz

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-30	120	3671.4950	-1.3618	Pass
-20		3671.4950	-1.3618	Pass
-10		3671.4950	-1.3618	Pass
0		3671.4950	-1.3618	Pass
20		3671.4950	-1.3618	Pass
30		3671.4950	-1.3618	Pass
40		3671.4950	-1.3618	Pass
50		3671.4950	-1.3618	Pass

Product	CPE 3.65GHz Outdoor		
Test Item	Frequency Stability Over Temperatures Variation		
Test Mode	Carrier Signal_10MHz		
Date of Test	2011/12/30	Test Site	SR7

Centre Frequency: 3655.0 MHz

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-30	120	3654.9950	-1.3680	Pass
-20		3654.9950	-1.3680	Pass
-10		3654.9950	-1.3680	Pass
0		3654.9950	-1.3680	Pass
20		3654.9950	-1.3680	Pass
30		3654.9950	-1.3680	Pass
40		3654.9950	-1.3680	Pass
50		3654.9900	-2.7360	Pass

Centre Frequency: 3662.5 MHz

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-30	120	3662.4950	-1.3652	Pass
-20		3662.4950	-1.3652	Pass
-10		3662.4950	-1.3652	Pass
0		3662.4950	-1.3652	Pass
20		3662.4950	-1.3652	Pass
30		3662.4950	-1.3652	Pass
40		3662.4950	-1.3652	Pass
50		3662.4900	-2.7304	Pass

Centre Frequency: 3670.0 MHz

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-30	120	3669.9950	-1.3624	Pass
-20		3669.9950	-1.3624	Pass
-10		3669.9900	-2.7248	Pass
0		3669.9950	-1.3624	Pass
20		3669.9950	-1.3624	Pass
30		3669.9950	-1.3624	Pass
40		3669.9950	-1.3624	Pass
50		3669.9950	-1.3624	Pass

9. Frequency Stability Over Voltage Variation

9.1. Test Equipment

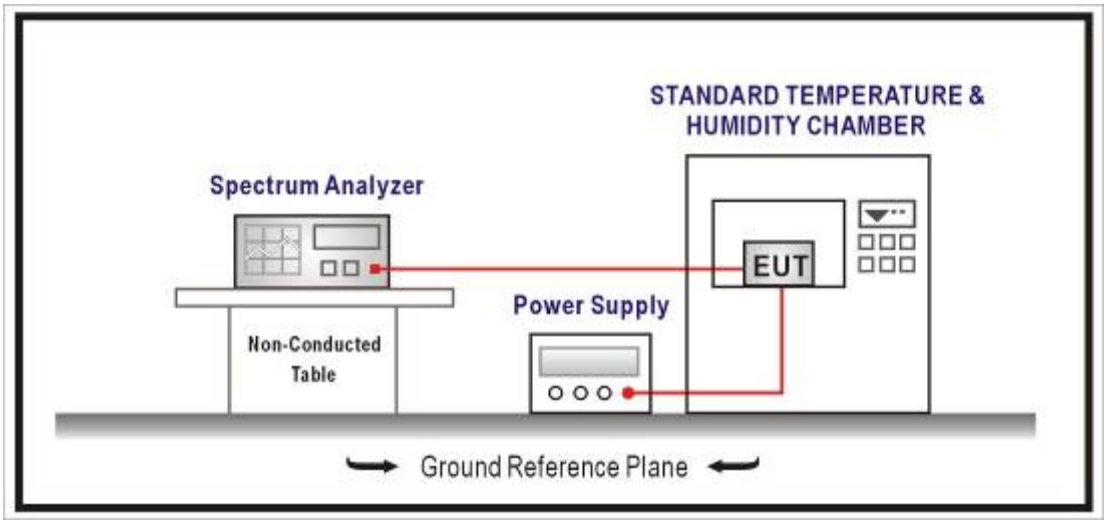
The following test equipments are used during the test:

Frequency Stability Over Temperatures Variation/ SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A	US47140172	2012/07/13
Standard Temperature & Humidity Chamber	WIT	TH-1S-B	1082101	2012/01/30

Note: 1. all equipments that need to calibrate are with calibration period of 1 year.

9.2. Test Setup



9.3. Limits

The frequency stability shall be measured with variation of primary supply voltage as follows:

(1) Vary primary supply voltage from 85 to 115 percent of the nominal value for other than hand carried battery equipment.
(2) For hand carried, battery powered equipment, reduce primary supply voltage to the battery operating end point which shall be specified by the manufacturer.
(3) The supply voltage shall be measured at the input to the cable normally provided with the equipment, or at the power supply terminals if cables are not normally provided. Effects on frequency of transmitter keying (except for broadcast transmitters) and any heating element cycling at the nominal supply voltage and at each extreme also shall be shown.

9.4. Test Procedure

Power must be removed when changing from one voltage to another voltage. Power warm up is at least 15 min and power applied should perform before recording frequency error.

EUT is connected the external power supply to control the AC input power. The various Volts set from the minimum 102 Volts to 138 Volts. Each step shall be record the frequency error rate.

9.5. Test Specification:

FCC CFR Title 47 Part 90 Subpart Z, KDB 965270

9.6. Uncertainty

The measurement uncertainty is defined as ±100KHz.

9.7. Test Result

Product	CPE 3.65GHz Outdoor		
Test Item	Frequency Stability Over Voltage Variation		
Test Mode	Carrier Signal_5MHz		
Date of Test	2011/12/30	Test Site	SR7

Centre Frequency: 3652.5 MHz

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
20	102	3652.4950	-1.3689	Pass
	120	3652.4950	-1.3689	Pass
	138	3652.4950	-1.3689	Pass

Centre Frequency: 3662.5 MHz

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
20	102	3662.4950	-1.3652	Pass
	120	3662.4950	-1.3652	Pass
	138	3662.4950	-1.3652	Pass

Centre Frequency: 3672.5 MHz

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
20	102	3672.4950	-1.3615	Pass
	120	3672.4950	-1.3615	Pass
	138	3672.4950	-1.3615	Pass

Product	CPE 3.65GHz Outdoor		
Test Item	Frequency Stability Over Voltage Variation		
Test Mode	Carrier Signal_7MHz		
Date of Test	2011/12/30	Test Site	SR7

Centre Frequency: 3653.5 MHz

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
20	102	3653.4950	-1.3686	Pass
	120	3653.4950	-1.3686	Pass
	138	3653.4950	-1.3686	Pass

Centre Frequency: 3662.5 MHz

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
20	102	3662.4950	-1.3652	Pass
	120	3662.4950	-1.3652	Pass
	138	3662.4950	-1.3652	Pass

Centre Frequency: 3671.5 MHz

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
20	102	3671.4950	-1.3618	Pass
	120	3671.4950	-1.3618	Pass
	138	3671.4950	-1.3618	Pass

Product	CPE 3.65GHz Outdoor		
Test Item	Frequency Stability Over Voltage Variation		
Test Mode	Carrier Signal_10MHz		
Date of Test	2011/12/30	Test Site	SR7

Centre Frequency: 3655.0 MHz

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
20	102	3654.9950	-1.3680	Pass
	120	3654.9950	-1.3680	Pass
	138	3654.9950	-1.3680	Pass

Centre Frequency: 3662.5 MHz

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
20	102	3662.4950	-1.3652	Pass
	120	3662.4950	-1.3652	Pass
	138	3662.4950	-1.3652	Pass

Centre Frequency: 3670.0 MHz

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
20	102	3669.9950	-1.3624	Pass
	120	3669.9950	-1.3624	Pass
	138	3669.9950	-1.3624	Pass