# 7. Radiated Spurious Emission

## 7.1. Test Equipment

The following test equipments are used during the test:

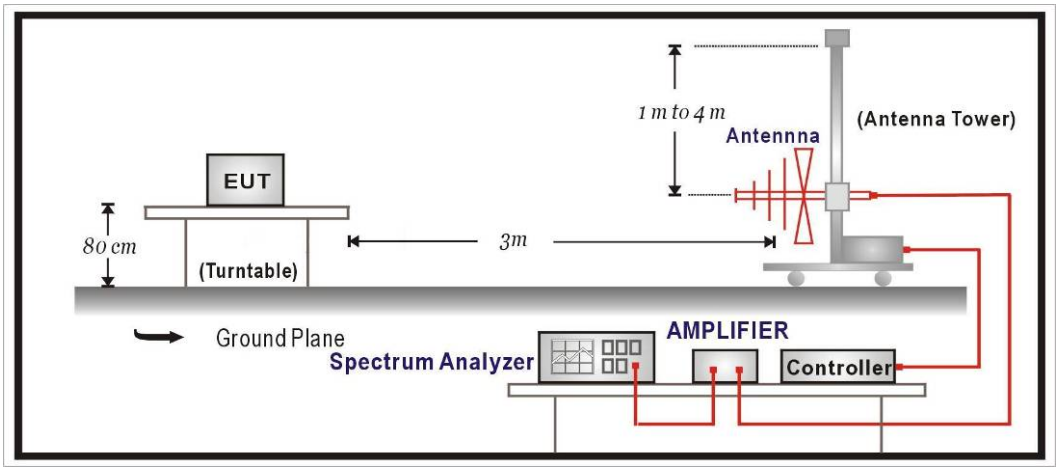
Radiated Emission / CB1

| Instrument | Manufacturer | Model No. | Serial No | Cal. Date | Next Cal. Date |
|---|---|---|---|---|---|
| Bilog Antenna | SCHAFFNER | CBL6112B | 2895 | 2011/08/15 | 2012/08/14 |
| Double Ridged Guide Horn Antenna | Schwarzback | BBHA 9120D | 743 | 2012/02/03 | 2013/02/02 |
| Pre-Amplifier | MITEQ | AMF-4D-005180-24-10P | 888003 | 2011/12/06 | 2012/12/05 |
| Pre-Amplifier | QuieTek | AP-025C | CHM-0706049 | 2011/03/11 | 2012/03/10 |
| Spectrum Analyzer | Agilent | E4440A | MY46187335 | 2012/01/09 | 2013/01/08 |
| Coaxial Cable | Huber+Suhner AG | Sucoflex 102 | 25623/2 | 2011/03/22 | 2012/03/21 |

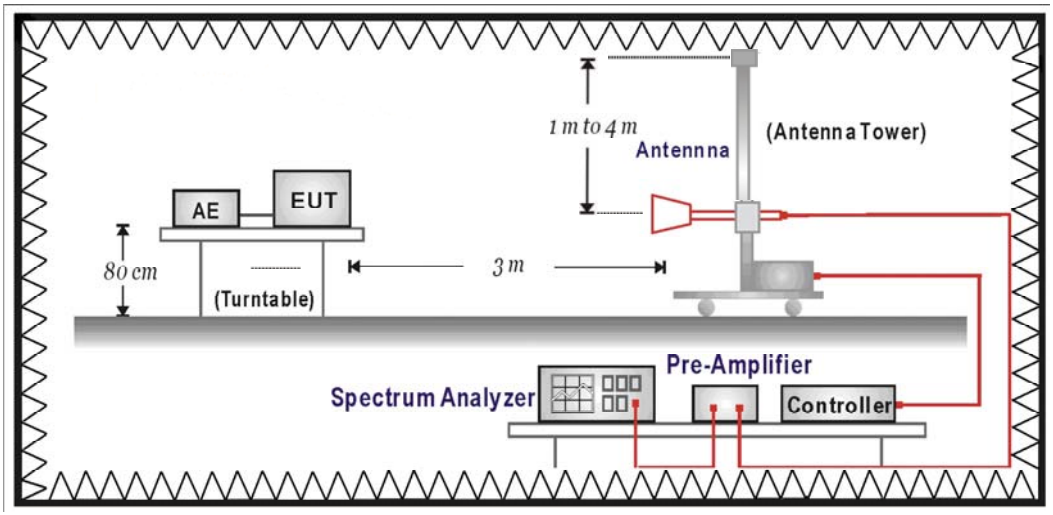
Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

## 7.2. Test Setup

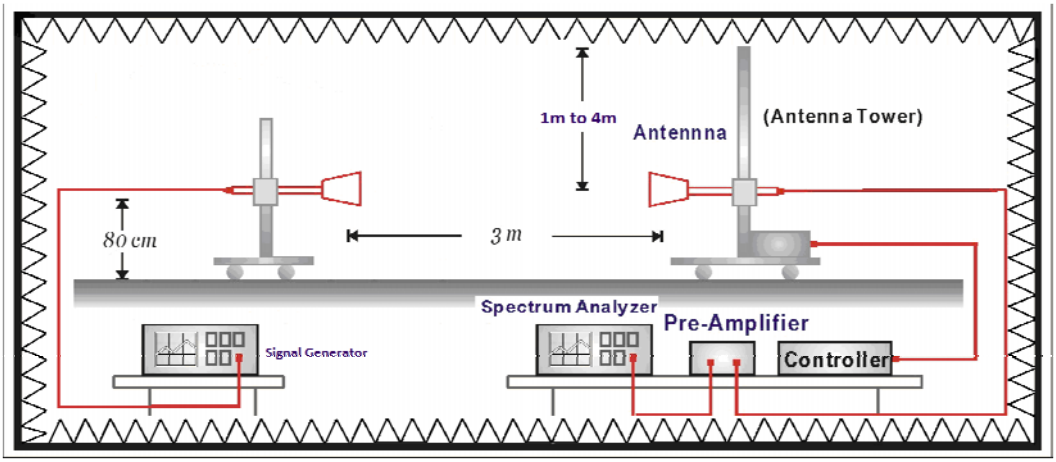
Under 1GHz Test Setup:




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

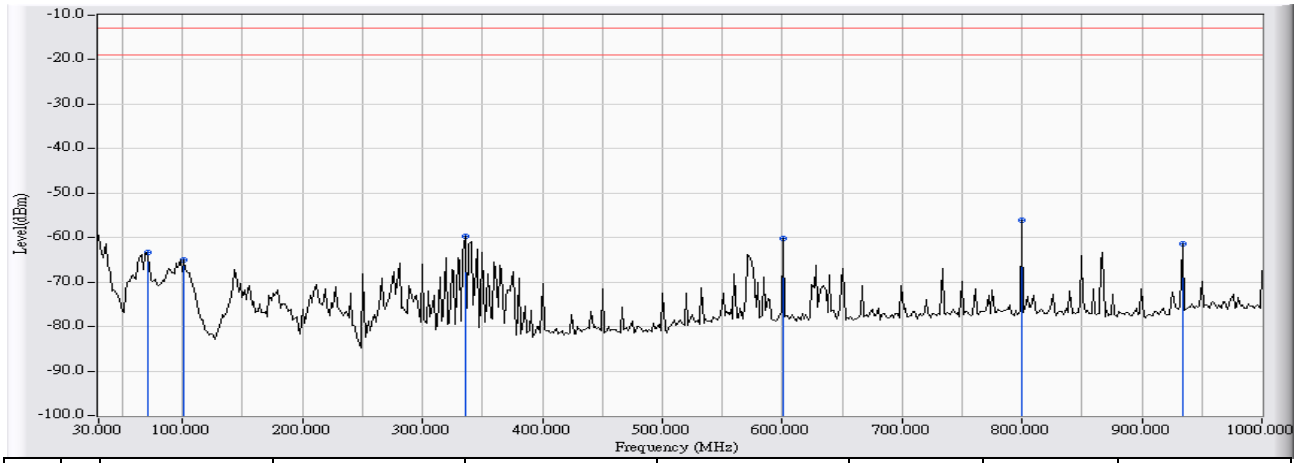
## 7.5. Uncertainty

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 - 19:43** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_30-1G-1_0901 - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 1: Transmit (3.5MHz BW_QPSK1/2) 3662.5MHz** |

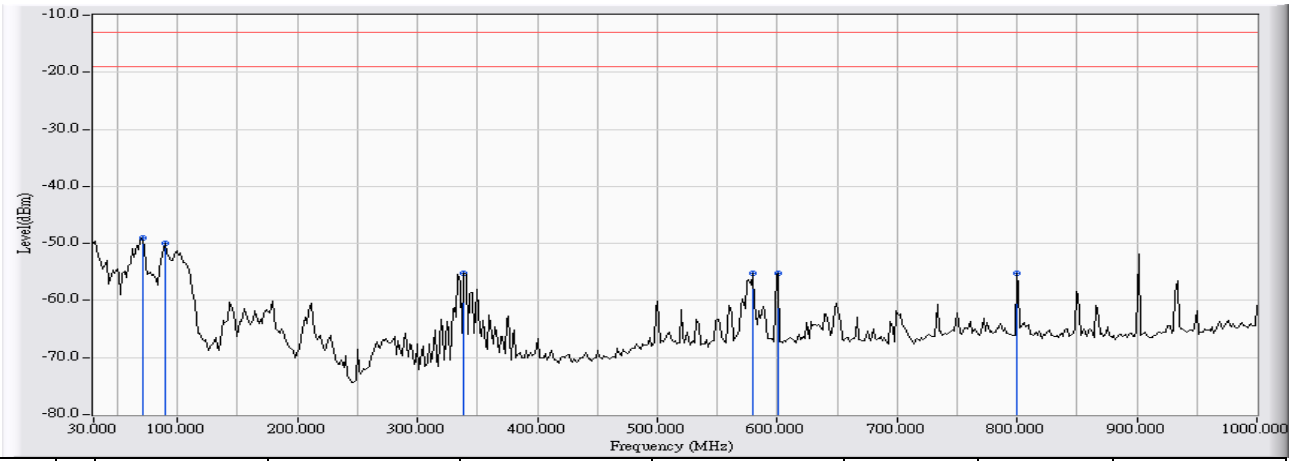



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 70.417 | 2.820 | -66.220 | -63.401 | -50.401 | -13.000 | PEAK |
| 2 | | 101.133 | 1.951 | -66.878 | -64.927 | -51.927 | -13.000 | PEAK |
| 3 | | 335.550 | 0.677 | -60.414 | -59.737 | -46.737 | -13.000 | PEAK |
| 4 | | 600.683 | 6.746 | -66.871 | -60.126 | -47.126 | -13.000 | PEAK |
| 5 | * | 799.533 | 8.102 | -64.252 | -56.150 | -43.150 | -13.000 | PEAK |
| 6 | | 933.717 | 9.113 | -70.622 | -61.509 | -48.509 | -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 : 2011/12/28 - 19:43** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_30-1G-1_0901 - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 1: Transmit (3.5MHz BW_QPSK1/2) 3662.5MHz** |

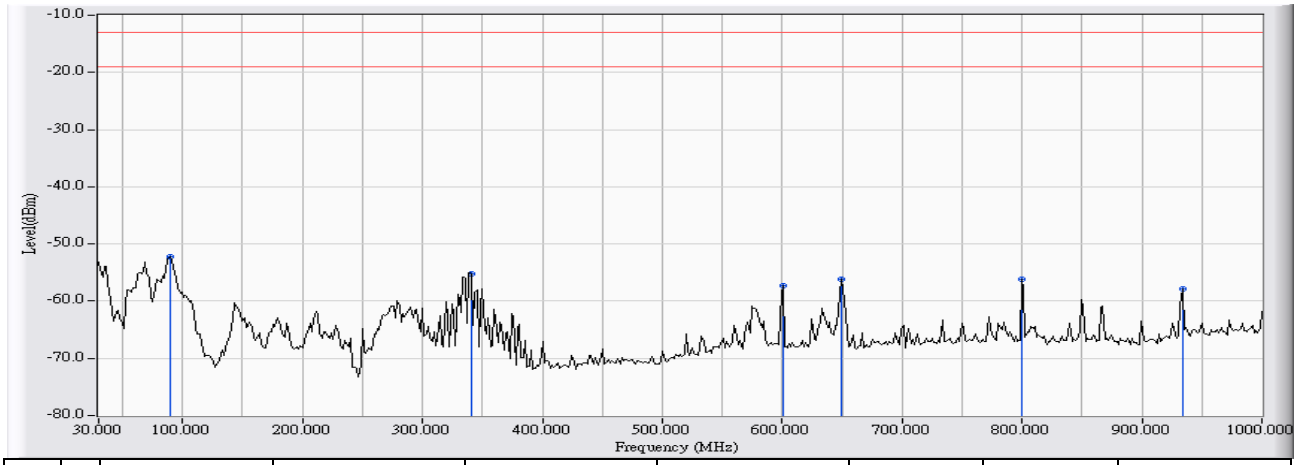



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 70.417 | 1.613 | -50.708 | -49.095 | -36.095 | -13.000 | PEAK |
| 2 | | 89.817 | 2.793 | -52.763 | -49.969 | -36.969 | -13.000 | PEAK |
| 3 | | 338.783 | 2.682 | -57.854 | -55.173 | -42.173 | -13.000 | PEAK |
| 4 | | 579.667 | 7.383 | -62.608 | -55.226 | -42.226 | -13.000 | PEAK |
| 5 | | 600.683 | 7.541 | -62.781 | -55.240 | -42.240 | -13.000 | PEAK |
| 6 | | 799.533 | 9.350 | -64.544 | -55.195 | -42.195 | -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 - 19:43** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_30-1G-1_0901 - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 2: Transmit (3.5MHz BW_16QAM1/2) 3662.5MHz** |

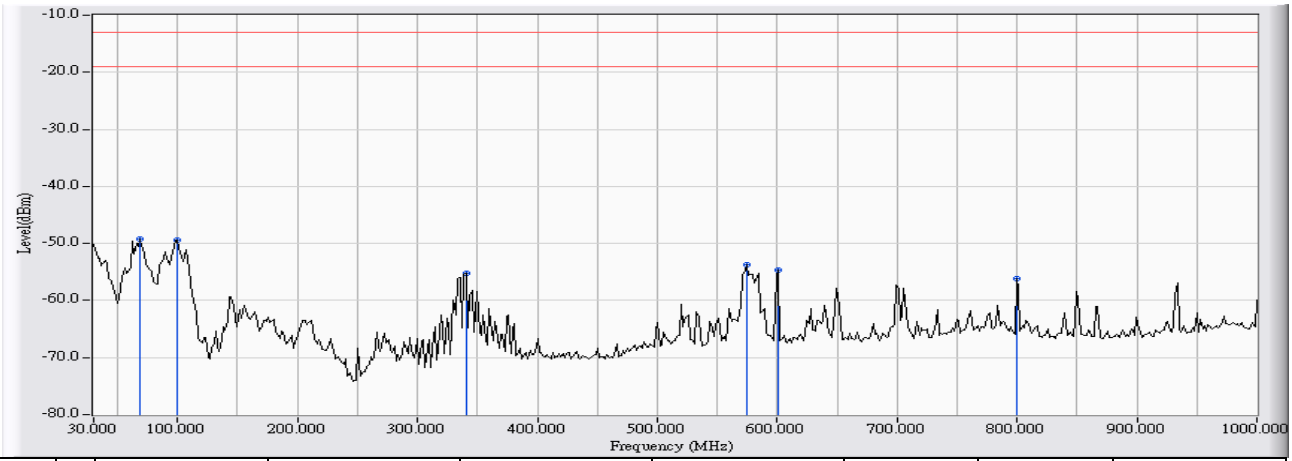



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 89.817 | 2.552 | -54.851 | -52.299 | -39.299 | -13.000 | PEAK |
| 2 | | 340.400 | 0.670 | -55.825 | -55.156 | -42.156 | -13.000 | PEAK |
| 3 | | 600.683 | 6.746 | -64.044 | -57.299 | -44.299 | -13.000 | PEAK |
| 4 | | 649.183 | 7.037 | -63.201 | -56.164 | -43.164 | -13.000 | PEAK |
| 5 | | 799.533 | 8.102 | -64.189 | -56.087 | -43.087 | -13.000 | PEAK |
| 6 | | 933.717 | 9.113 | -67.013 | -57.900 | -44.900 | -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 : 2011/12/28 - 19:44** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_30-1G-1_0901 - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 2: Transmit (3.5MHz BW_16QAM1/2) 3662.5MHz** |

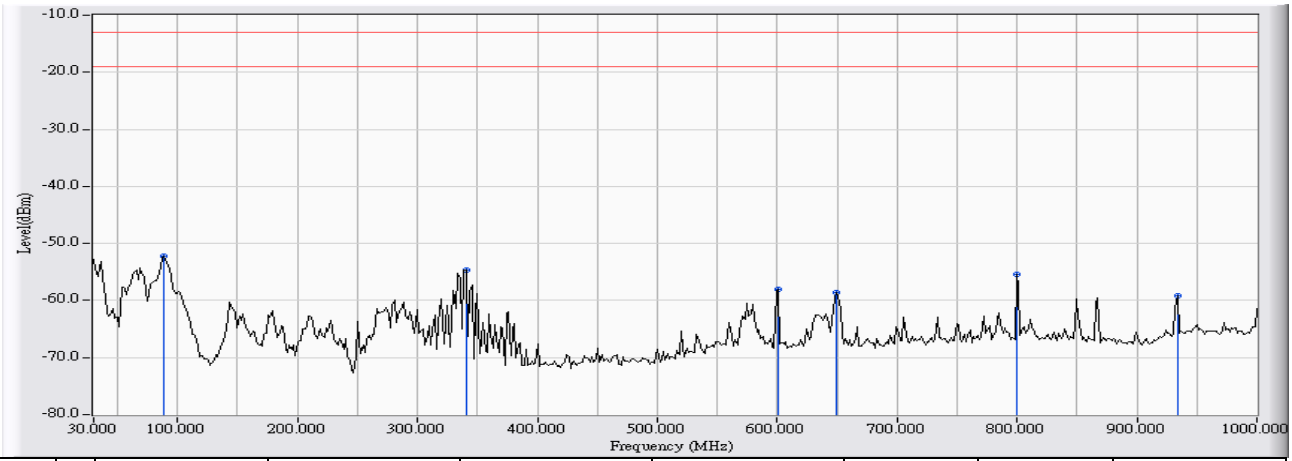



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 68.800 | 1.926 | -51.082 | -49.156 | -36.156 | -13.000 | PEAK |
| 2 | | 99.517 | 3.108 | -52.557 | -49.449 | -36.449 | -13.000 | PEAK |
| 3 | | 340.400 | 2.784 | -57.940 | -55.156 | -42.156 | -13.000 | PEAK |
| 4 | | 574.817 | 7.333 | -60.989 | -53.655 | -40.655 | -13.000 | PEAK |
| 5 | | 600.683 | 7.541 | -62.253 | -54.712 | -41.712 | -13.000 | PEAK |
| 6 | | 799.533 | 9.350 | -65.474 | -56.125 | -43.125 | -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 : 2011/12/28 - 19:47** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_30-1G-1_0901 - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 3: Transmit (3.5MHz BW_64QAM2/3) 3662.5MHz** |

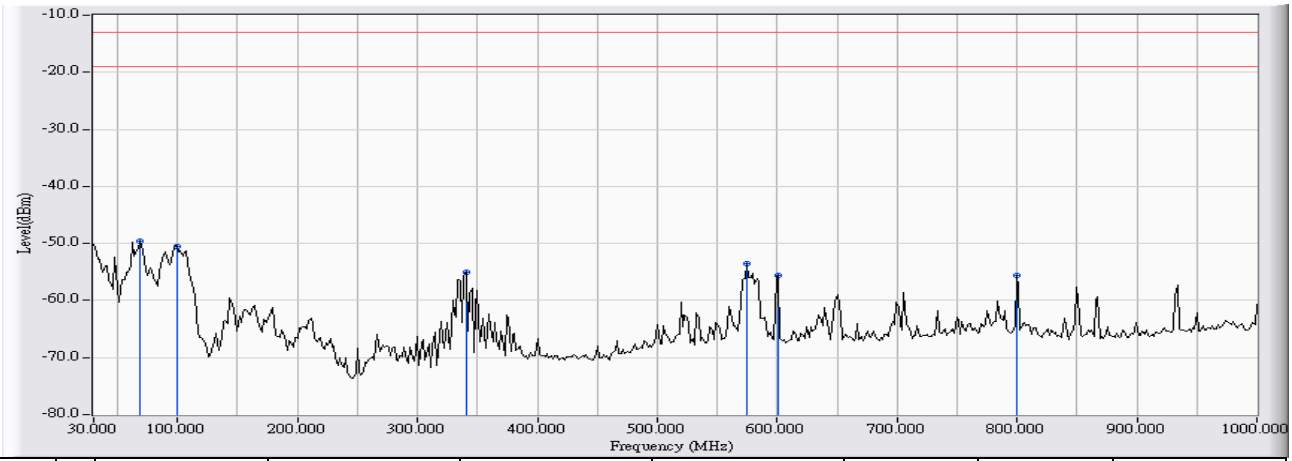



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 88.200 | 2.524 | -54.794 | -52.269 | -39.269 | -13.000 | PEAK |
| 2 | | 340.400 | 0.670 | -55.321 | -54.652 | -41.652 | -13.000 | PEAK |
| 3 | | 600.683 | 6.746 | -64.715 | -57.970 | -44.970 | -13.000 | PEAK |
| 4 | | 649.183 | 7.037 | -65.588 | -58.551 | -45.551 | -13.000 | PEAK |
| 5 | | 799.533 | 8.102 | -63.537 | -55.435 | -42.435 | -13.000 | PEAK |
| 6 | | 933.717 | 9.113 | -68.277 | -59.164 | -46.164 | -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 - 19:47** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_30-1G-1_0901 - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Mode 3: Transmit (3.5MHz BW_64QAM2/3) 3662.5MHz** |

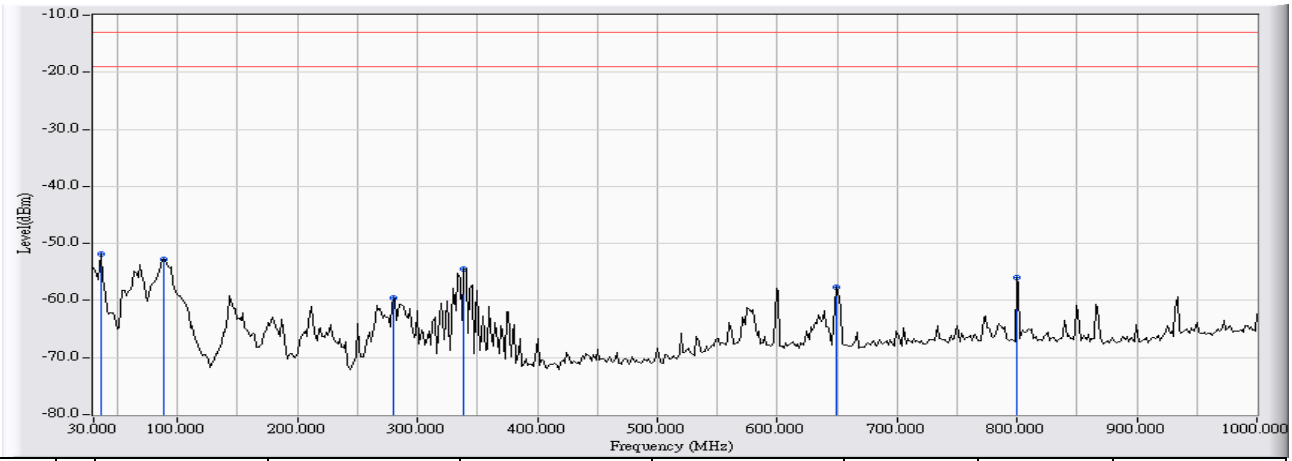



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 68.800 | 1.926 | -51.482 | -49.556 | -36.556 | -13.000 | PEAK |
| 2 | | 99.517 | 3.108 | -53.569 | -50.461 | -37.461 | -13.000 | PEAK |
| 3 | | 340.400 | 2.784 | -57.839 | -55.055 | -42.055 | -13.000 | PEAK |
| 4 | | 574.817 | 7.333 | -60.914 | -53.580 | -40.580 | -13.000 | PEAK |
| 5 | | 600.683 | 7.541 | -63.067 | -55.526 | -42.526 | -13.000 | PEAK |
| 6 | | 799.533 | 9.350 | -64.877 | -55.528 | -42.528 | -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 - 19:48** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_30-1G-1_0901 - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 4: Transmit (5MHz BW_QPSK3/4) 3662.5MHz** |




| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 36.467 | 10.316 | -62.246 | -51.930 | -38.930 | -13.000 | PEAK |
| 2 | | 88.200 | 2.524 | -55.228 | -52.703 | -39.703 | -13.000 | PEAK |
| 3 | | 280.583 | -0.240 | -59.261 | -59.501 | -46.501 | -13.000 | PEAK |
| 4 | | 338.783 | 0.673 | -55.202 | -54.530 | -41.530 | -13.000 | PEAK |
| 5 | | 649.183 | 7.037 | -64.643 | -57.606 | -44.606 | -13.000 | PEAK |
| 6 | | 799.533 | 8.102 | -64.139 | -56.037 | -43.037 | -13.000 | PEAK |

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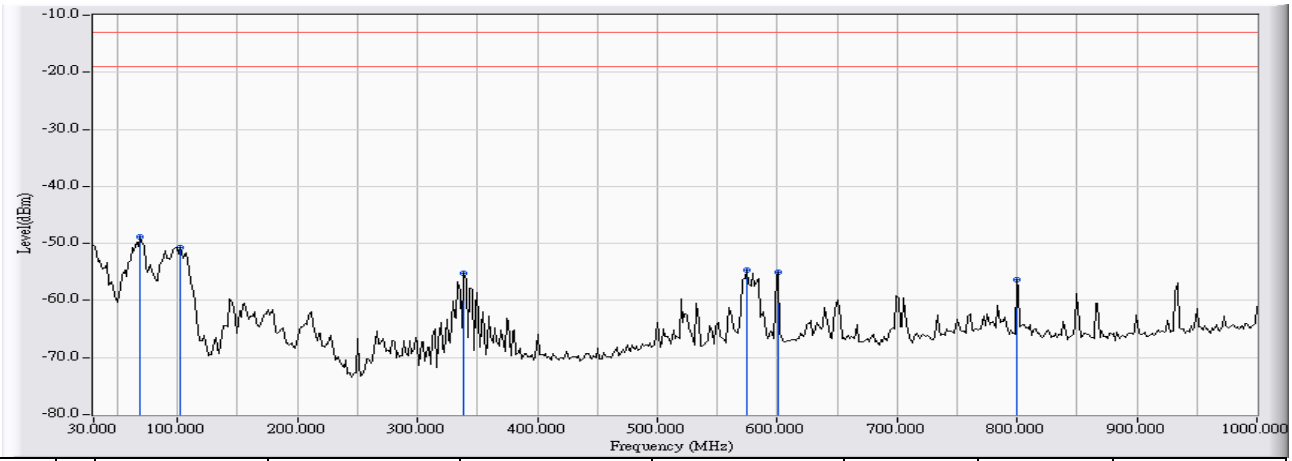
Note:

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 - 19:48** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_30-1G-1_0901 - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 4: Transmit (5MHz BW_QPSK3/4) 3662.5MHz** |

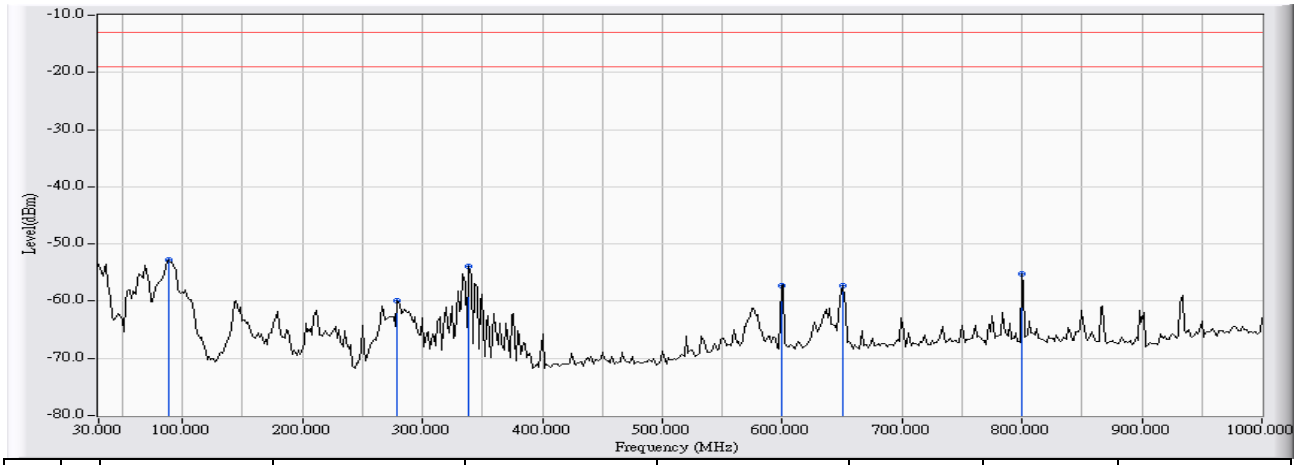



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 68.800 | 1.926 | -50.863 | -48.937 | -35.937 | -13.000 | PEAK |
| 2 | | 102.750 | 2.950 | -53.584 | -50.634 | -37.634 | -13.000 | PEAK |
| 3 | | 338.783 | 2.682 | -57.916 | -55.235 | -42.235 | -13.000 | PEAK |
| 4 | | 574.817 | 7.333 | -61.976 | -54.642 | -41.642 | -13.000 | PEAK |
| 5 | | 600.683 | 7.541 | -62.632 | -55.091 | -42.091 | -13.000 | PEAK |
| 6 | | 799.533 | 9.350 | -65.644 | -56.295 | -43.295 | -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 - 19:48** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_30-1G-1_0901 - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 5: Transmit (5MHz BW_16QAM1/2) 3662.5MHz** |

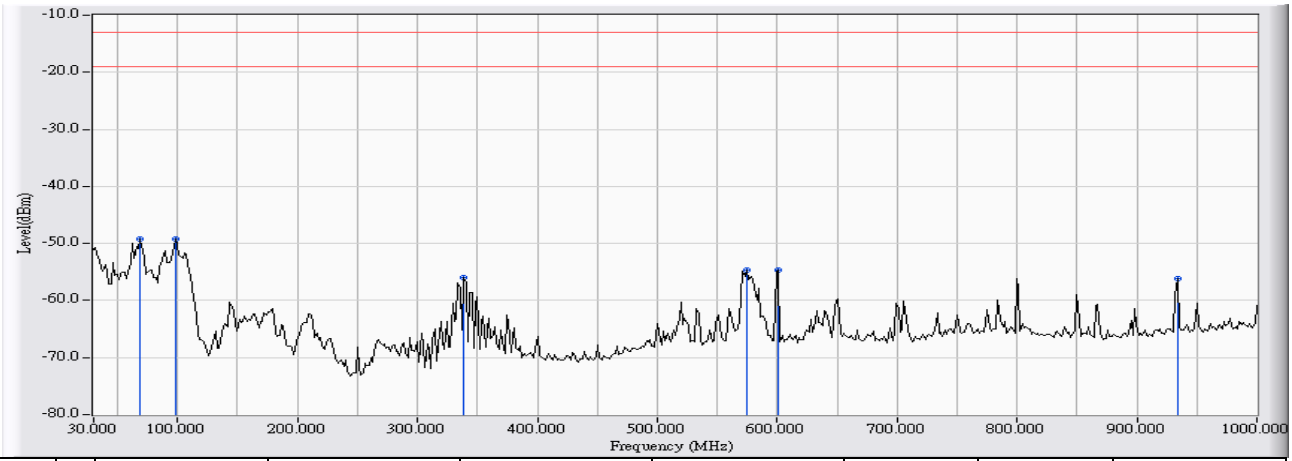



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 88.200 | 2.524 | -55.253 | -52.728 | -39.728 | -13.000 | PEAK |
| 2 | | 278.967 | -0.311 | -59.527 | -59.837 | -46.837 | -13.000 | PEAK |
| 3 | | 338.783 | 0.673 | -54.585 | -53.913 | -40.913 | -13.000 | PEAK |
| 4 | | 599.067 | 6.745 | -63.975 | -57.231 | -44.231 | -13.000 | PEAK |
| 5 | | 650.800 | 7.044 | -64.398 | -57.353 | -44.353 | -13.000 | PEAK |
| 6 | | 799.533 | 8.102 | -63.310 | -55.208 | -42.208 | -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 - 19:48** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_30-1G-1_0901 - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 5: Transmit (5MHz BW_16QAM1/2) 3662.5MHz** |

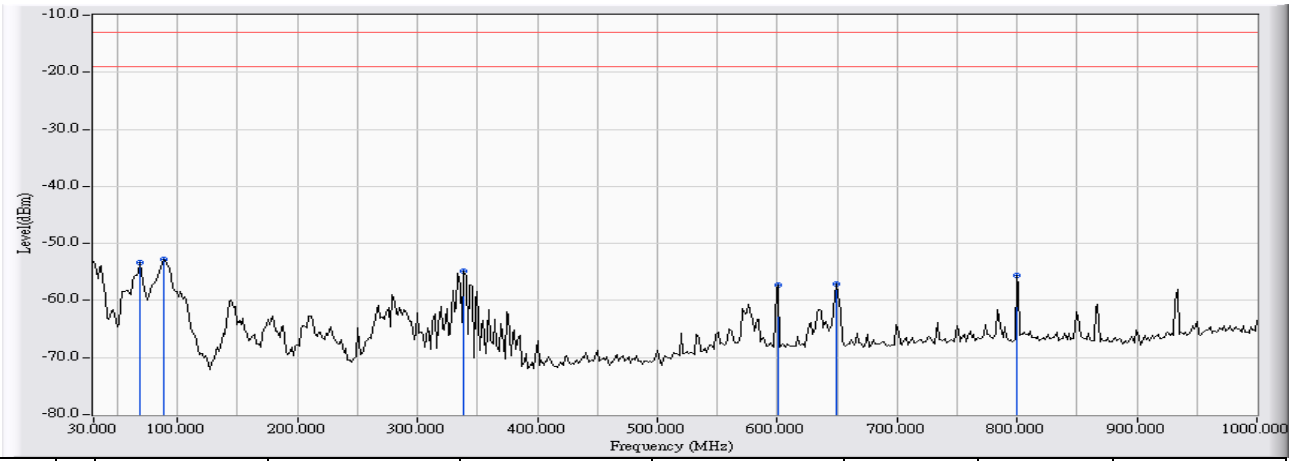



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 68.800 | 1.926 | -51.067 | -49.141 | -36.141 | -13.000 | PEAK |
| 2 | | 97.900 | 3.058 | -52.276 | -49.217 | -36.217 | -13.000 | PEAK |
| 3 | | 338.783 | 2.682 | -58.585 | -55.904 | -42.904 | -13.000 | PEAK |
| 4 | | 574.817 | 7.333 | -62.056 | -54.722 | -41.722 | -13.000 | PEAK |
| 5 | | 600.683 | 7.541 | -62.238 | -54.697 | -41.697 | -13.000 | PEAK |
| 6 | | 933.717 | 9.802 | -65.896 | -56.094 | -43.094 | -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 - 19:48** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_30-1G-1_0901 - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 6: Transmit (5MHz BW_64QAM2/3) 3662.5MHz** |

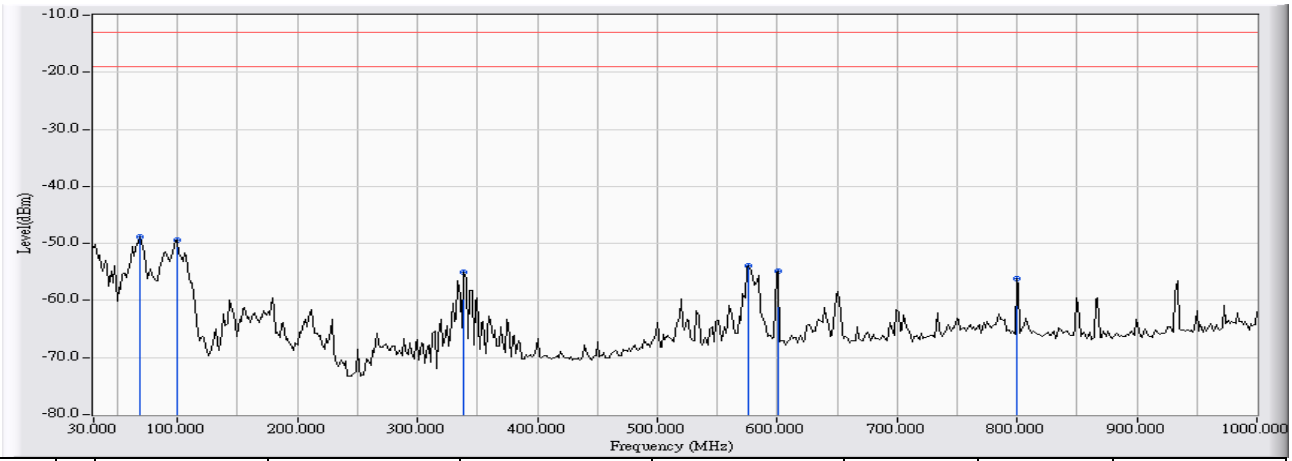



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 68.800 | 3.235 | -56.645 | -53.411 | -40.411 | -13.000 | PEAK |
| 2 | * | 88.200 | 2.524 | -55.311 | -52.786 | -39.786 | -13.000 | PEAK |
| 3 | | 338.783 | 0.673 | -55.560 | -54.888 | -41.888 | -13.000 | PEAK |
| 4 | | 600.683 | 6.746 | -63.967 | -57.222 | -44.222 | -13.000 | PEAK |
| 5 | | 649.183 | 7.037 | -64.200 | -57.163 | -44.163 | -13.000 | PEAK |
| 6 | | 799.533 | 8.102 | -63.651 | -55.549 | -42.549 | -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 - 19:49** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_30-1G-1_0901 - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 6: Transmit (5MHz BW_64QAM2/3) 3662.5MHz** |

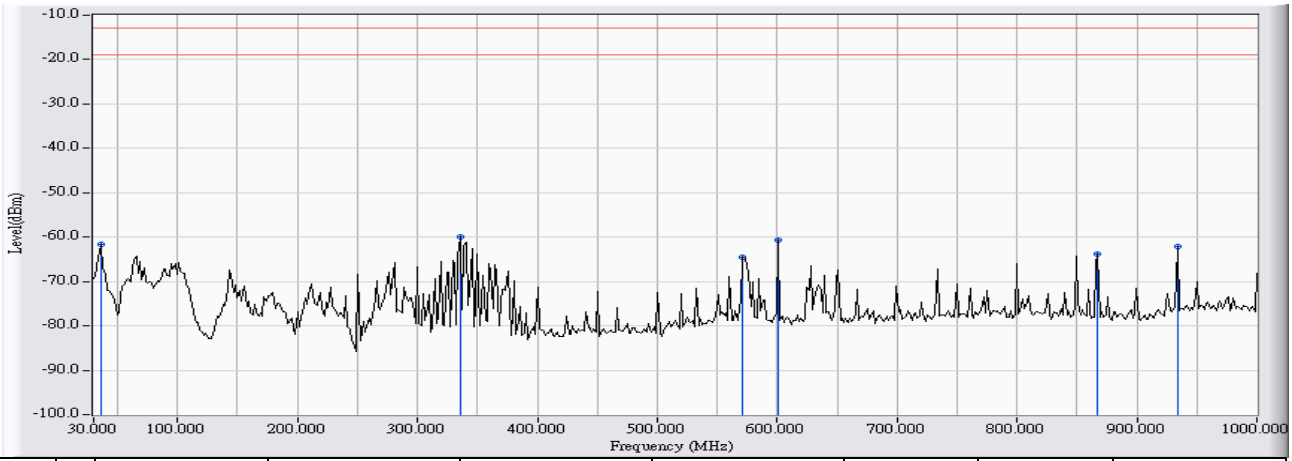



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 68.800 | 1.926 | -50.841 | -48.915 | -35.915 | -13.000 | PEAK |
| 2 | | 99.517 | 3.108 | -52.455 | -49.347 | -36.347 | -13.000 | PEAK |
| 3 | | 338.783 | 2.682 | -57.678 | -54.997 | -41.997 | -13.000 | PEAK |
| 4 | | 576.433 | 7.350 | -61.234 | -53.884 | -40.884 | -13.000 | PEAK |
| 5 | | 600.683 | 7.541 | -62.325 | -54.784 | -41.784 | -13.000 | PEAK |
| 6 | | 799.533 | 9.350 | -65.457 | -56.108 | -43.108 | -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 : 2012/01/31 - 13:51** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_30-1G-1_0901 - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 7: Transmit (7MHz BW_QPSK3/4) 3662.5MHz** |

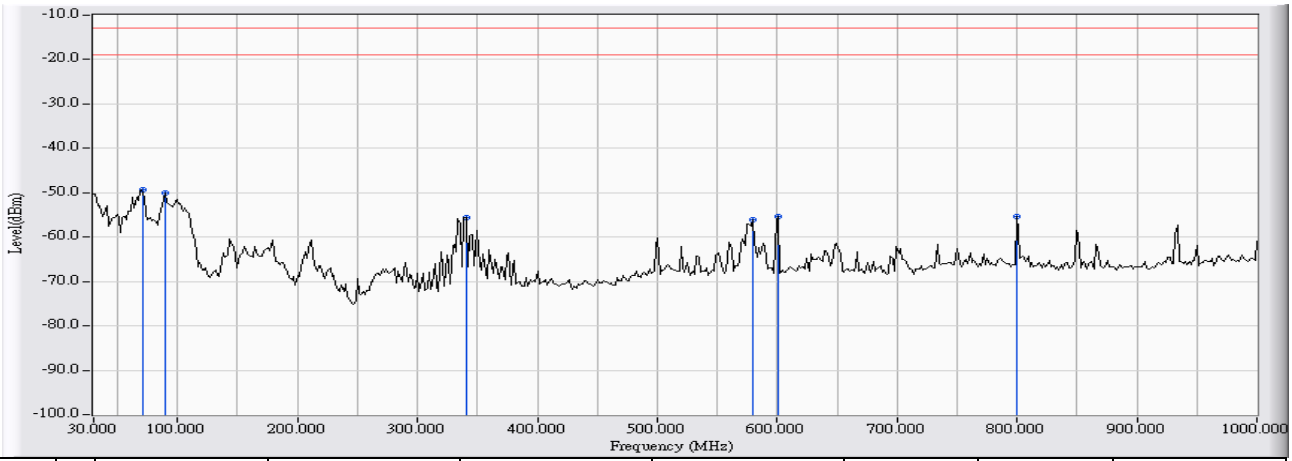



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 36.467 | 10.316 | -71.834 | -61.518 | -48.518 | -13.000 | PEAK |
| 2 | * | 335.550 | 0.677 | -60.715 | -60.038 | -47.038 | -13.000 | PEAK |
| 3 | | 571.583 | 6.797 | -71.244 | -64.448 | -51.448 | -13.000 | PEAK |
| 4 | | 600.683 | 6.746 | -67.324 | -60.579 | -47.579 | -13.000 | PEAK |
| 5 | | 867.433 | 8.233 | -72.001 | -63.768 | -50.768 | -13.000 | PEAK |
| 6 | | 933.717 | 9.113 | -71.172 | -62.059 | -49.059 | -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 : 2012/01/31 - 13:51** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_30-1G-1_0901 - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 7: Transmit (7MHz BW_QPSK3/4) 3662.5MHz** |

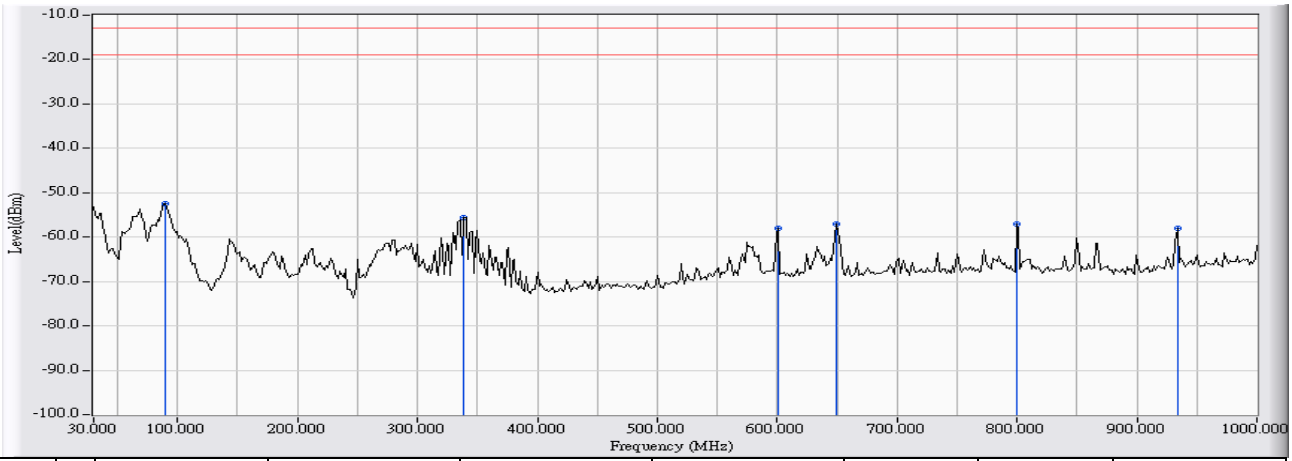



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 70.417 | 1.613 | -50.847 | -49.234 | -36.234 | -13.000 | PEAK |
| 2 | | 89.817 | 2.793 | -52.864 | -50.070 | -37.070 | -13.000 | PEAK |
| 3 | | 340.400 | 2.784 | -58.472 | -55.688 | -42.688 | -13.000 | PEAK |
| 4 | | 579.667 | 7.383 | -63.513 | -56.131 | -43.131 | -13.000 | PEAK |
| 5 | | 600.683 | 7.541 | -62.839 | -55.298 | -42.298 | -13.000 | PEAK |
| 6 | | 799.533 | 9.350 | -64.721 | -55.372 | -42.372 | -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 : 2012/01/31 - 13:51** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_30-1G-1_0901 - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 8: Transmit (7MHz BW_16QAM1/2)' 3662.5MHz** |

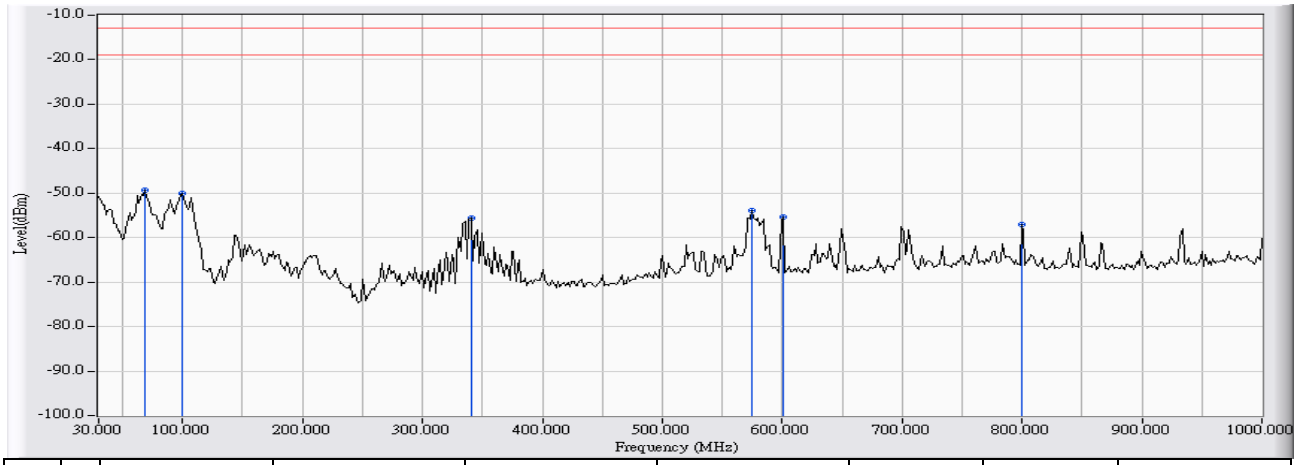



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 89.817 | 2.552 | -55.083 | -52.531 | -39.531 | -13.000 | PEAK |
| 2 | | 338.783 | 0.673 | -56.207 | -55.535 | -42.535 | -13.000 | PEAK |
| 3 | | 600.683 | 6.746 | -64.731 | -57.986 | -44.986 | -13.000 | PEAK |
| 4 | | 649.183 | 7.037 | -64.079 | -57.042 | -44.042 | -13.000 | PEAK |
| 5 | | 799.533 | 8.102 | -65.173 | -57.071 | -44.071 | -13.000 | PEAK |
| 6 | | 933.717 | 9.113 | -67.179 | -58.066 | -45.066 | -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 : 2012/01/31 - 13:51** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_30-1G-1_0901 - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 8: Transmit (7MHz BW_16QAM1/2)' 3662.5MHz** |

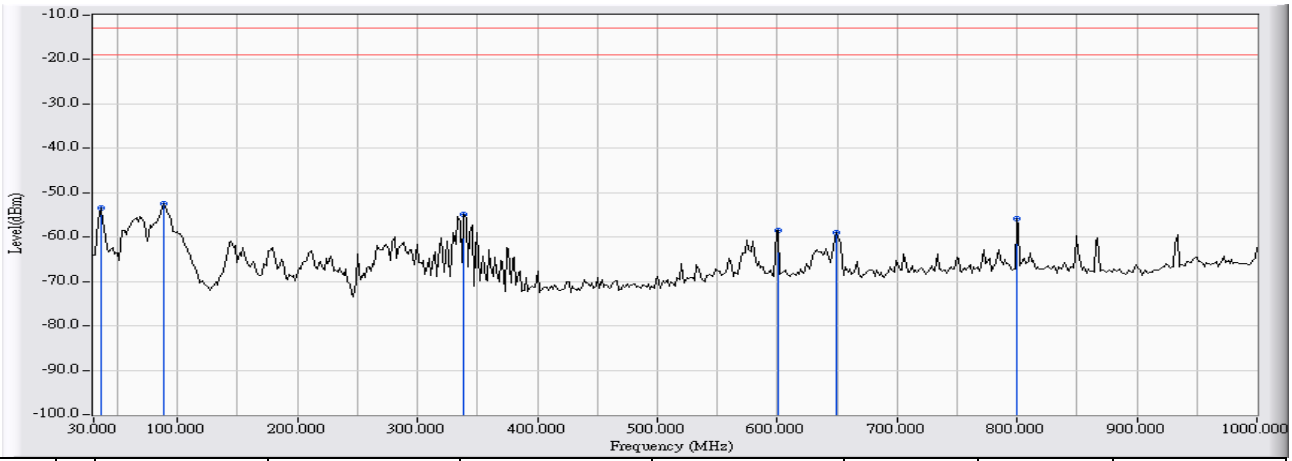



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 68.800 | 1.926 | -51.345 | -49.419 | -36.419 | -13.000 | PEAK |
| 2 | | 99.517 | 3.108 | -53.168 | -50.060 | -37.060 | -13.000 | PEAK |
| 3 | | 340.400 | 2.784 | -58.301 | -55.517 | -42.517 | -13.000 | PEAK |
| 4 | | 574.817 | 7.333 | -61.334 | -54.000 | -41.000 | -13.000 | PEAK |
| 5 | | 600.683 | 7.541 | -63.011 | -55.470 | -42.470 | -13.000 | PEAK |
| 6 | | 799.533 | 9.350 | -66.294 | -56.945 | -43.945 | -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 : 2012/01/31 - 13:51** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_30-1G-1_0901 - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 9: Transmit (7MHz BW_64QAM5/6) 3662.5MHz** |

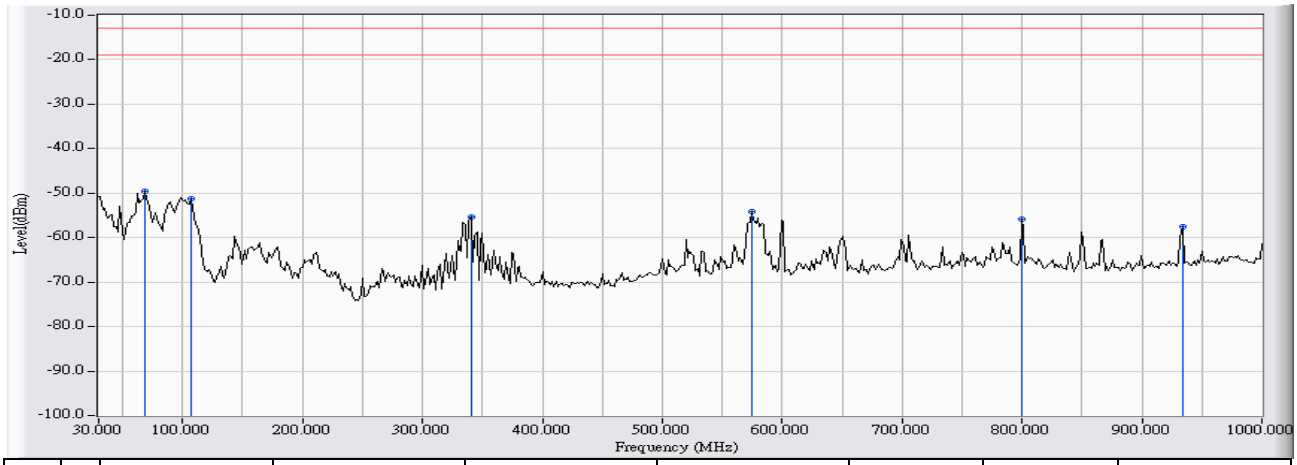



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 36.467 | 10.316 | -63.786 | -53.470 | -40.470 | -13.000 | PEAK |
| 2 | * | 88.200 | 2.524 | -55.036 | -52.511 | -39.511 | -13.000 | PEAK |
| 3 | | 338.783 | 0.673 | -55.598 | -54.926 | -41.926 | -13.000 | PEAK |
| 4 | | 600.683 | 6.746 | -65.307 | -58.562 | -45.562 | -13.000 | PEAK |
| 5 | | 649.183 | 7.037 | -65.913 | -58.876 | -45.876 | -13.000 | PEAK |
| 6 | | 799.533 | 8.102 | -63.994 | -55.892 | -42.892 | -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 : 2012/01/31 - 13:51** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_30-1G-1_0901 - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 9: Transmit (7MHz BW_64QAM5/6) 3662.5MHz** |

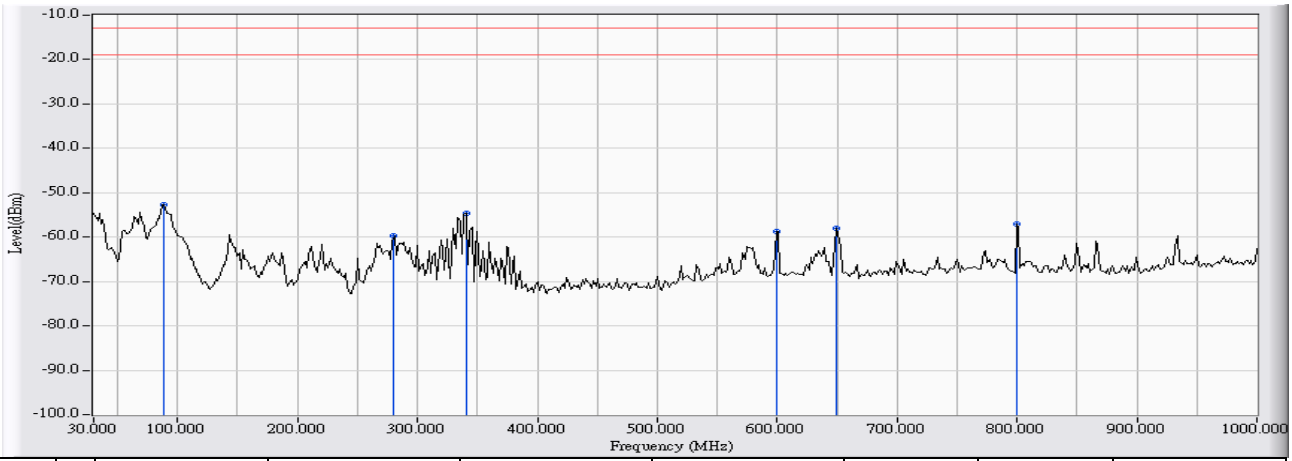



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 68.800 | 1.926 | -51.566 | -49.640 | -36.640 | -13.000 | PEAK |
| 2 | | 107.600 | 2.645 | -53.961 | -51.316 | -38.316 | -13.000 | PEAK |
| 3 | | 340.400 | 2.784 | -58.183 | -55.399 | -42.399 | -13.000 | PEAK |
| 4 | | 574.817 | 7.333 | -61.457 | -54.123 | -41.123 | -13.000 | PEAK |
| 5 | | 799.533 | 9.350 | -65.265 | -55.916 | -42.916 | -13.000 | PEAK |
| 6 | | 933.717 | 9.802 | -67.248 | -57.446 | -44.446 | -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 : 2012/01/31 - 13:51** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_30-1G-1_0901 - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 10: Transmit (10MHz BW_QPSK3/4) 3662.5MHz** |

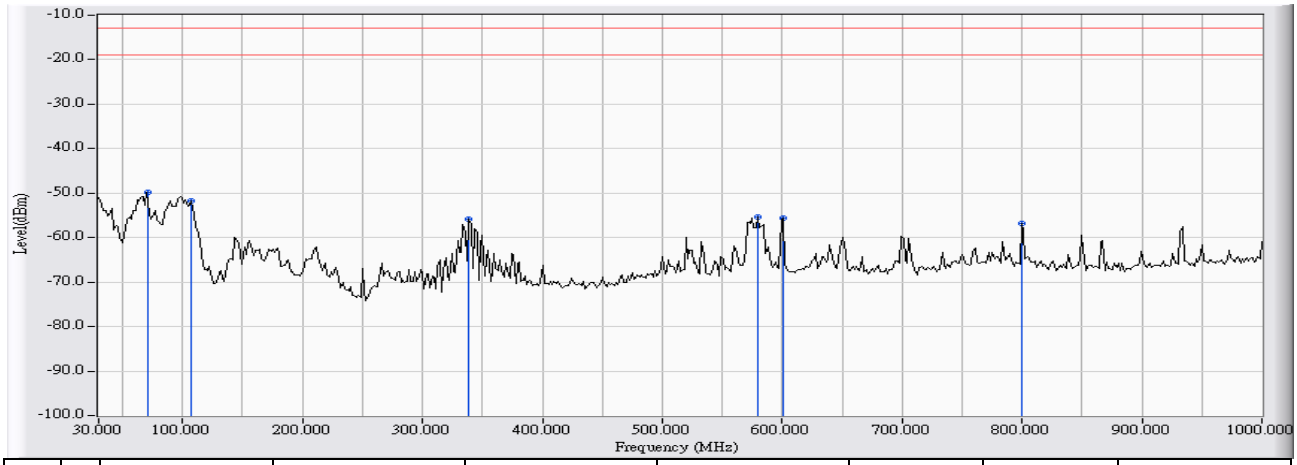



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 88.200 | 2.524 | -55.257 | -52.732 | -39.732 | -13.000 | PEAK |
| 2 | | 280.583 | -0.240 | -59.515 | -59.755 | -46.755 | -13.000 | PEAK |
| 3 | | 340.400 | 0.670 | -55.241 | -54.572 | -41.572 | -13.000 | PEAK |
| 4 | | 599.067 | 6.745 | -65.440 | -58.696 | -45.696 | -13.000 | PEAK |
| 5 | | 649.183 | 7.037 | -65.128 | -58.091 | -45.091 | -13.000 | PEAK |
| 6 | | 799.533 | 8.102 | -65.194 | -57.092 | -44.092 | -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 : 2012/01/31 - 13:51** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_30-1G-1_0901 - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 10: Transmit (10MHz BW_QPSK3/4) 3662.5MHz** |

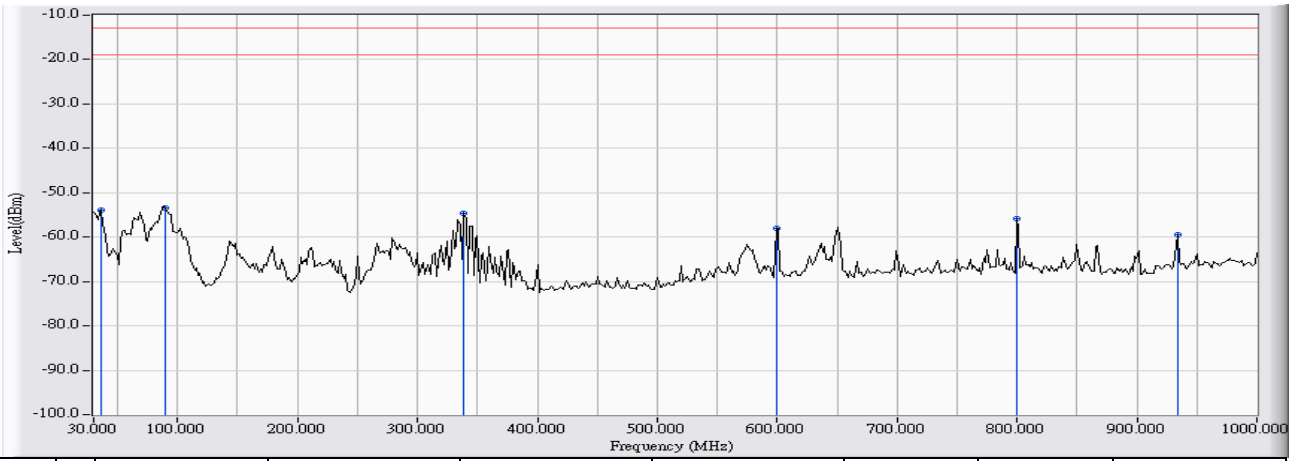



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 70.417 | 1.613 | -51.357 | -49.744 | -36.744 | -13.000 | PEAK |
| 2 | | 107.600 | 2.645 | -54.414 | -51.769 | -38.769 | -13.000 | PEAK |
| 3 | | 338.783 | 2.682 | -58.538 | -55.857 | -42.857 | -13.000 | PEAK |
| 4 | | 579.667 | 7.383 | -62.803 | -55.421 | -42.421 | -13.000 | PEAK |
| 5 | | 600.683 | 7.541 | -63.192 | -55.651 | -42.651 | -13.000 | PEAK |
| 6 | | 799.533 | 9.350 | -66.232 | -56.883 | -43.883 | -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 : 2012/01/31 - 13:51** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_30-1G-1_0901 - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 11: Transmit (10MHz BW_16QAM1/2) 3662.5MHz** |

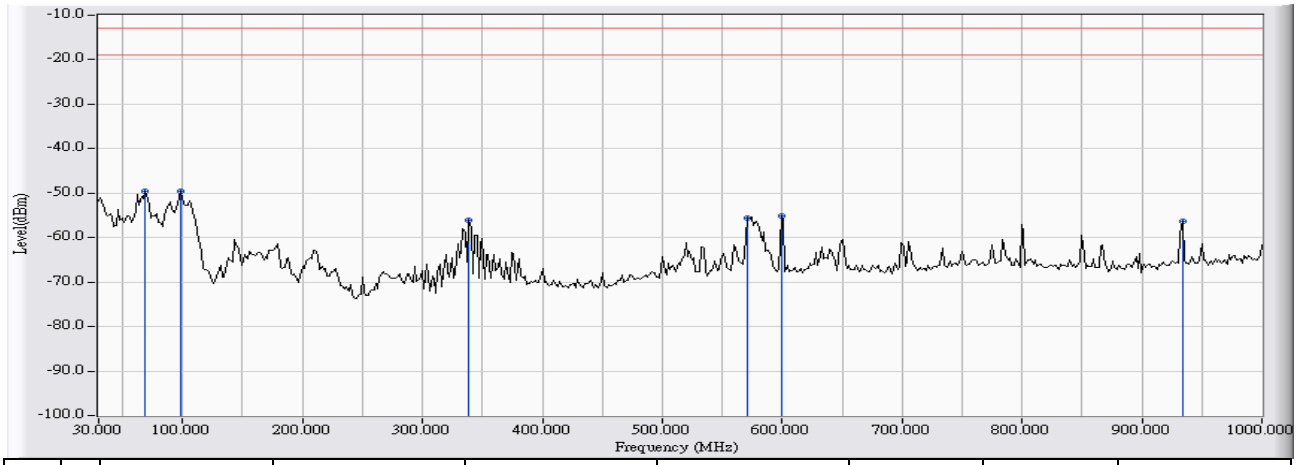



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 36.467 | 10.316 | -64.260 | -53.944 | -40.944 | -13.000 | PEAK |
| 2 | * | 89.817 | 2.552 | -56.021 | -53.469 | -40.469 | -13.000 | PEAK |
| 3 | | 338.783 | 0.673 | -55.424 | -54.752 | -41.752 | -13.000 | PEAK |
| 4 | | 599.067 | 6.745 | -64.850 | -58.106 | -45.106 | -13.000 | PEAK |
| 5 | | 799.533 | 8.102 | -63.918 | -55.816 | -42.816 | -13.000 | PEAK |
| 6 | | 933.717 | 9.113 | -68.479 | -59.366 | -46.366 | -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 : 2012/01/31 - 13:51** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_30-1G-1_0901 - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 11: Transmit (10MHz BW_16QAM1/2) 3662.5MHz** |

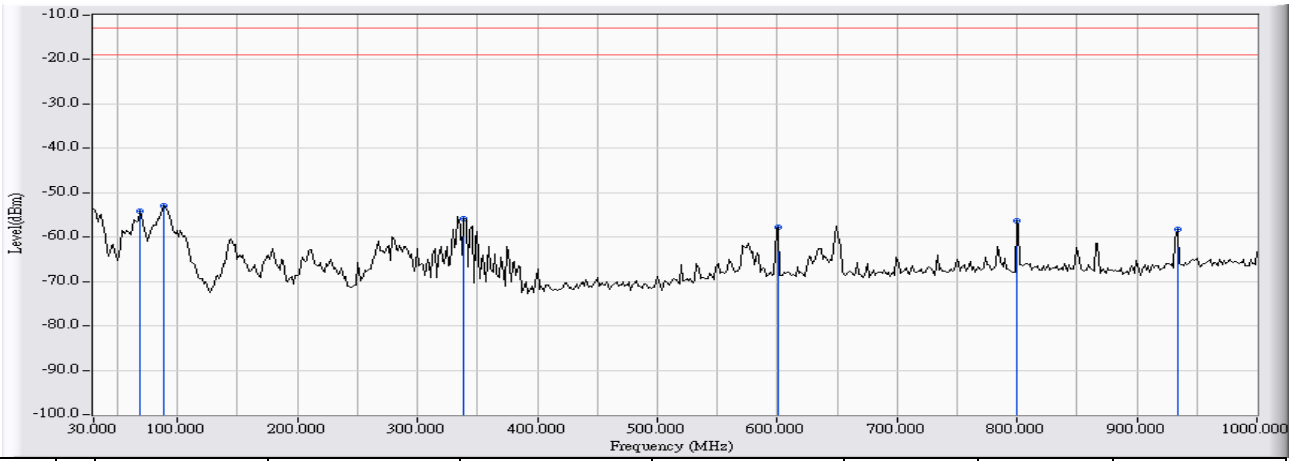



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 68.800 | 1.926 | -51.487 | -49.561 | -36.561 | -13.000 | PEAK |
| 2 | | 97.900 | 3.058 | -52.720 | -49.661 | -36.661 | -13.000 | PEAK |
| 3 | | 338.783 | 2.682 | -58.868 | -56.187 | -43.187 | -13.000 | PEAK |
| 4 | | 571.583 | 7.302 | -62.922 | -55.621 | -42.621 | -13.000 | PEAK |
| 5 | | 599.067 | 7.521 | -62.627 | -55.106 | -42.106 | -13.000 | PEAK |
| 6 | | 933.717 | 9.802 | -66.154 | -56.352 | -43.352 | -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 : 2012/01/31 - 13:51** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_30-1G-1_0901 - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 12: Transmit (10MHz BW_64QAM5/6) 3662.5MHz** |

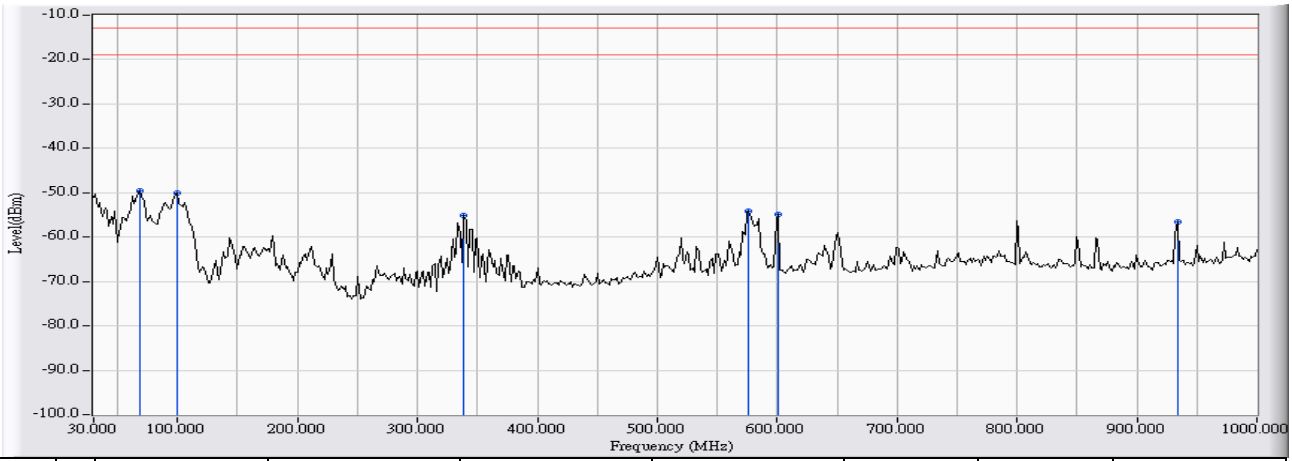



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 68.800 | 3.235 | -57.457 | -54.223 | -41.223 | -13.000 | PEAK |
| 2 | * | 88.200 | 2.524 | -55.416 | -52.891 | -39.891 | -13.000 | PEAK |
| 3 | | 338.783 | 0.673 | -56.508 | -55.836 | -42.836 | -13.000 | PEAK |
| 4 | | 600.683 | 6.746 | -64.589 | -57.844 | -44.844 | -13.000 | PEAK |
| 5 | | 799.533 | 8.102 | -64.457 | -56.355 | -43.355 | -13.000 | PEAK |
| 6 | | 933.717 | 9.113 | -67.319 | -58.206 | -45.206 | -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 : 2012/01/31 - 13:51** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_30-1G-1_0901 - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 12: Transmit (10MHz BW_64QAM5/6) 3662.5MHz** |



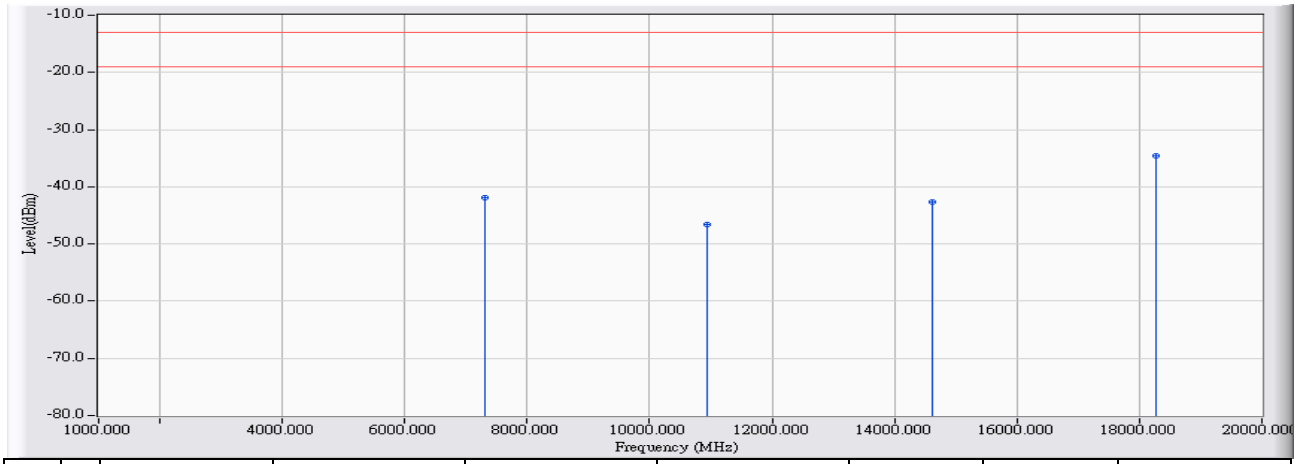

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 68.800 | 1.926 | -51.590 | -49.664 | -36.664 | -13.000 | PEAK |
| 2 | | 99.517 | 3.108 | -53.232 | -50.124 | -37.124 | -13.000 | PEAK |
| 3 | | 338.783 | 2.682 | -57.742 | -55.061 | -42.061 | -13.000 | PEAK |
| 4 | | 576.433 | 7.350 | -61.525 | -54.175 | -41.175 | -13.000 | PEAK |
| 5 | | 600.683 | 7.541 | -62.344 | -54.803 | -41.803 | -13.000 | PEAK |
| 6 | | 933.717 | 9.802 | -66.410 | -56.608 | -43.608 | -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 : 2011/12/28 - 20:04** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G-1-0901 - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 1: Transmit (3.5MHz BW_QPSK1/2) 3651.75MHz** |

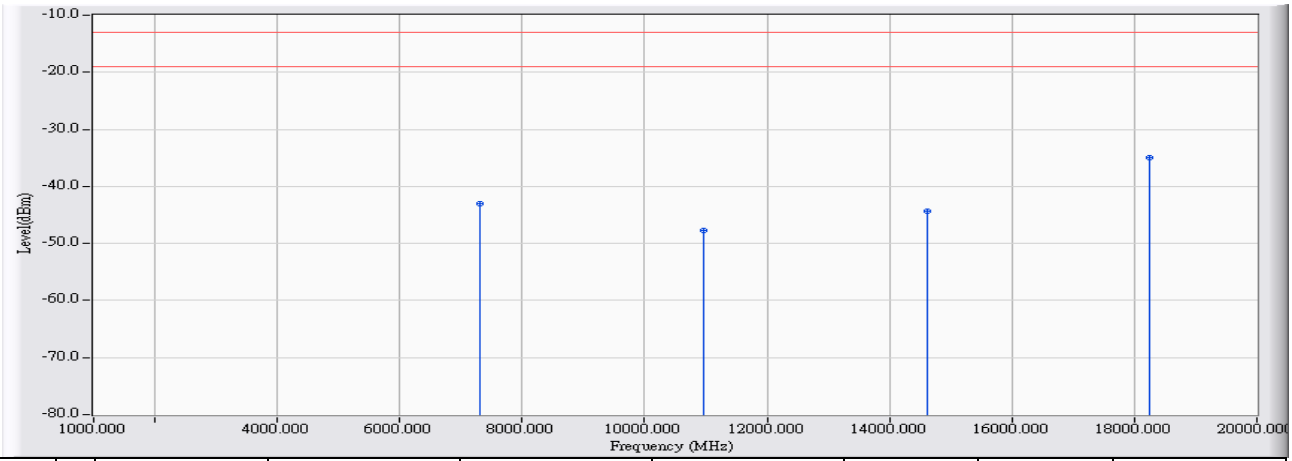



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7302.670 | 20.669 | -62.580 | -41.911 | -28.911 | -13.000 | PEAK |
| 2 | | 10945.250 | 22.495 | -69.010 | -46.514 | -33.514 | -13.000 | PEAK |
| 3 | | 14610.067 | 26.650 | -69.370 | -42.721 | -29.721 | -13.000 | PEAK |
| 4 | * | 18261.033 | 36.690 | -71.340 | -34.650 | -21.650 | -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 - 20:10** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G-1-0901 - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 1: Transmit (3.5MHz BW_QPSK1/2) 3651.75MHz** |

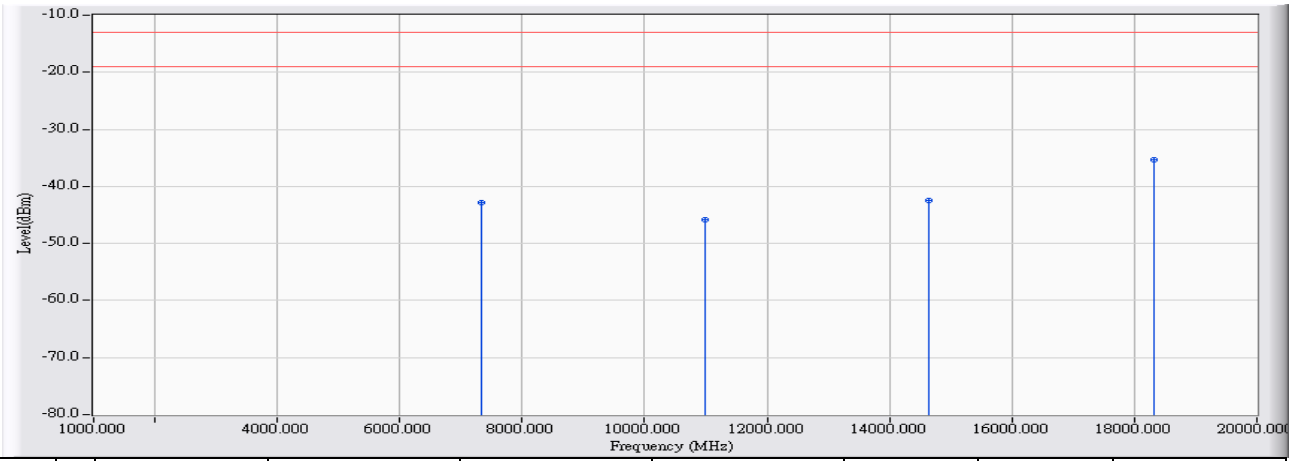



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7303.100 | 20.123 | -63.100 | -42.976 | -29.976 | -13.000 | PEAK |
| 2 | | 10957.000 | 21.157 | -68.800 | -47.643 | -34.643 | -13.000 | PEAK |
| 3 | | 14611.117 | 24.850 | -69.260 | -44.411 | -31.411 | -13.000 | PEAK |
| 4 | * | 18254.517 | 36.650 | -71.690 | -35.040 | -22.040 | -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 - 20:24** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G-1-0901 - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 1: Transmit (3.5MHz BW_QPSK1/2) 3662.5MHz** |

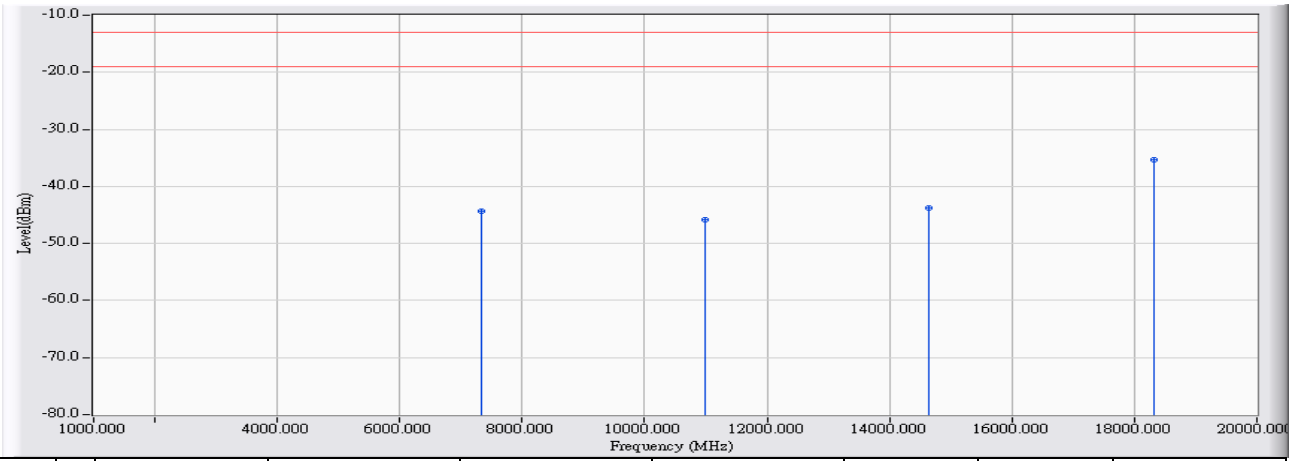



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7324.650 | 20.708 | -63.510 | -42.802 | -29.802 | -13.000 | PEAK |
| 2 | | 10987.333 | 22.553 | -68.450 | -45.897 | -32.897 | -13.000 | PEAK |
| 3 | | 14651.500 | 26.846 | -69.230 | -42.385 | -29.385 | -13.000 | PEAK |
| 4 | * | 18313.833 | 36.690 | -72.090 | -35.400 | -22.400 | -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 - 20:30** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G-1-0901 - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 1: Transmit (3.5MHz BW_QPSK1/2) 3662.5MHz** |

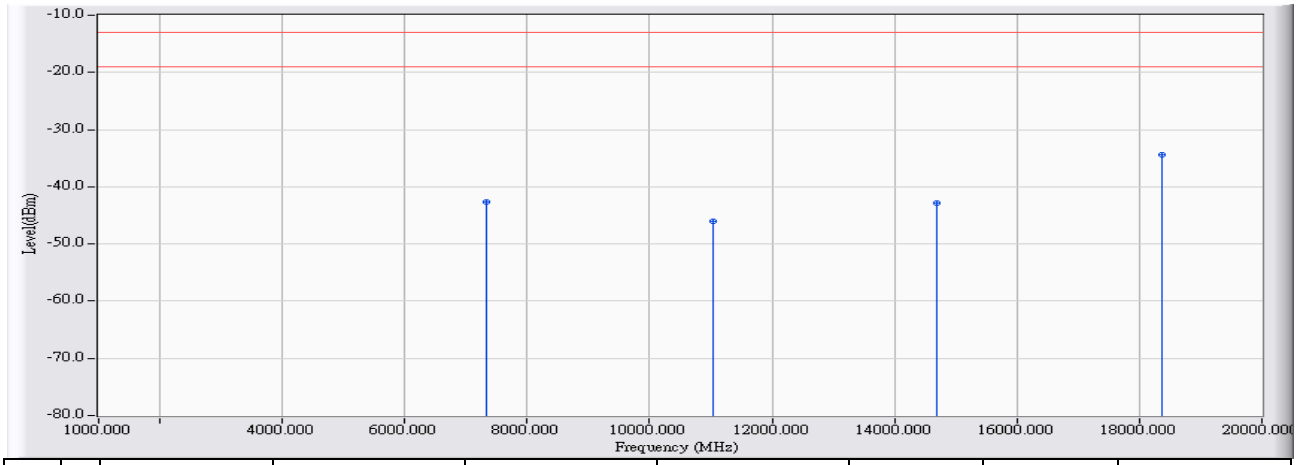



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7324.217 | 20.234 | -64.580 | -44.347 | -31.347 | -13.000 | PEAK |
| 2 | | 10989.083 | 21.159 | -66.940 | -45.781 | -32.781 | -13.000 | PEAK |
| 3 | | 14648.733 | 25.014 | -68.820 | -43.806 | -30.806 | -13.000 | PEAK |
| 4 | * | 18315.750 | 36.650 | -71.950 | -35.300 | -22.300 | -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 - 20:46** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G-1-0901 - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 1: Transmit (3.5MHz BW_QPSK1/2) 3673.25MHz** |

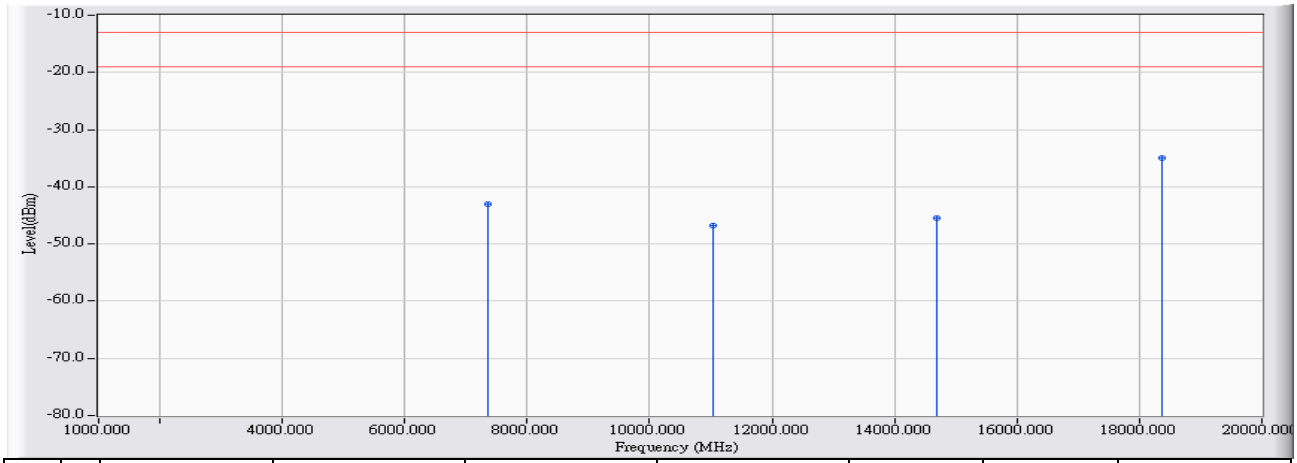



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7345.417 | 20.745 | -63.420 | -42.675 | -29.675 | -13.000 | PEAK |
| 2 | | 11023.817 | 22.589 | -68.670 | -46.081 | -33.081 | -13.000 | PEAK |
| 3 | | 14689.467 | 27.025 | -69.860 | -42.836 | -29.836 | -13.000 | PEAK |
| 4 | * | 18368.617 | 36.690 | -71.140 | -34.450 | -21.450 | -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 - 21:15** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G-1-0901 - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 1: Transmit (3.5MHz BW_QPSK1/2) 3673.25MHz** |

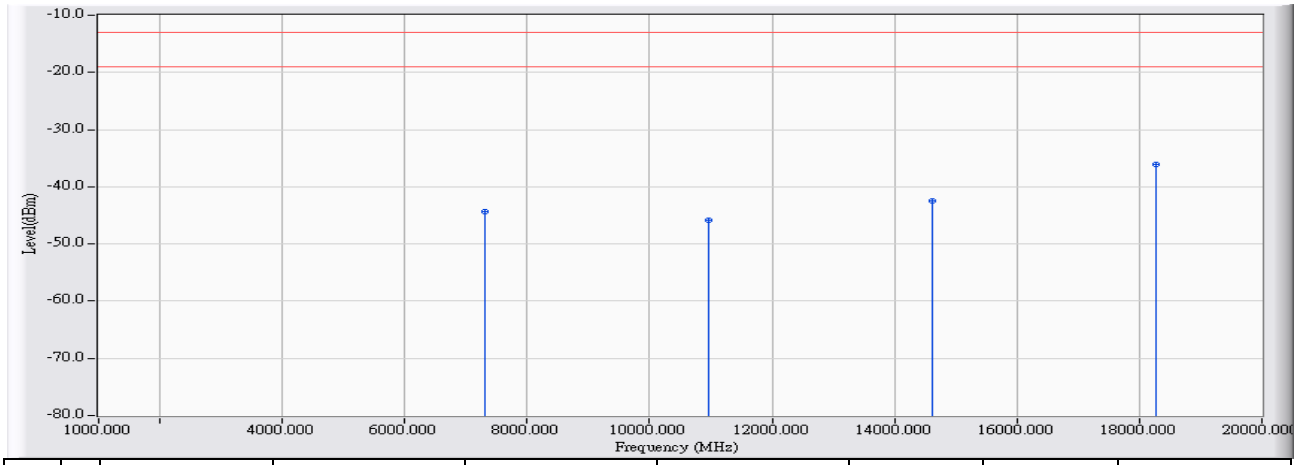



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7345.550 | 20.343 | -63.420 | -43.077 | -30.077 | -13.000 | PEAK |
| 2 | | 11024.833 | 21.249 | -68.060 | -46.811 | -33.811 | -13.000 | PEAK |
| 3 | | 14698.333 | 25.232 | -70.630 | -45.397 | -32.397 | -13.000 | PEAK |
| 4 | * | 18362.800 | 36.650 | -71.580 | -34.930 | -21.930 | -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 - 21:31** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G-1-0901 - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 2: Transmit (3.5MHz BW_16QAM1/2) 3651.75MHz** |

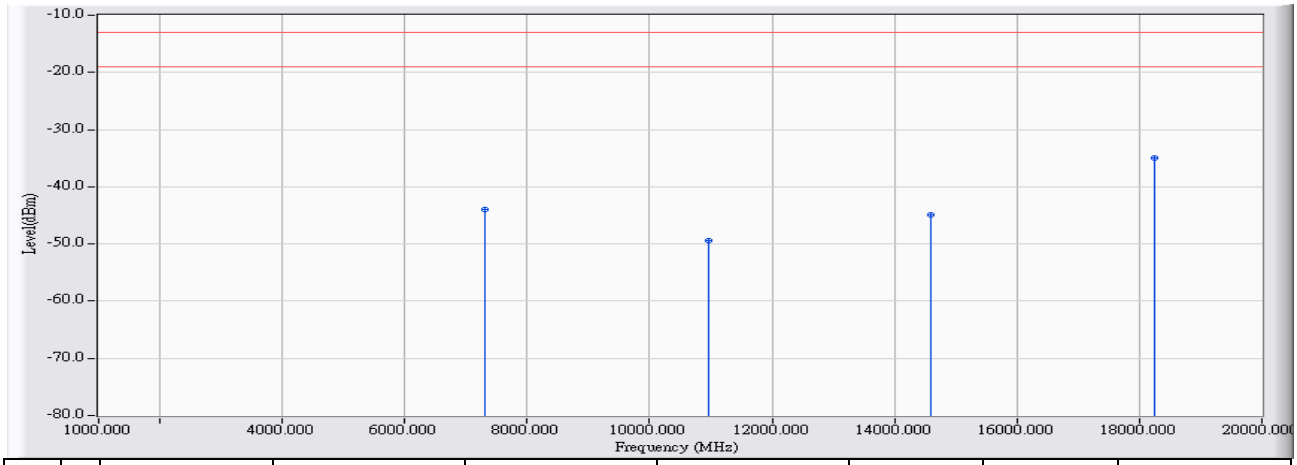



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7303.183 | 20.669 | -65.090 | -44.420 | -31.420 | -13.000 | PEAK |
| 2 | | 10951.433 | 22.503 | -68.350 | -45.846 | -32.846 | -13.000 | PEAK |
| 3 | | 14610.333 | 26.651 | -69.080 | -42.429 | -29.429 | -13.000 | PEAK |
| 4 | * | 18262.083 | 36.690 | -72.798 | -36.108 | -23.108 | -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 - 21:36** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G-1-0901 - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 2: Transmit (3.5MHz BW_16QAM1/2) 3651.75MHz** |

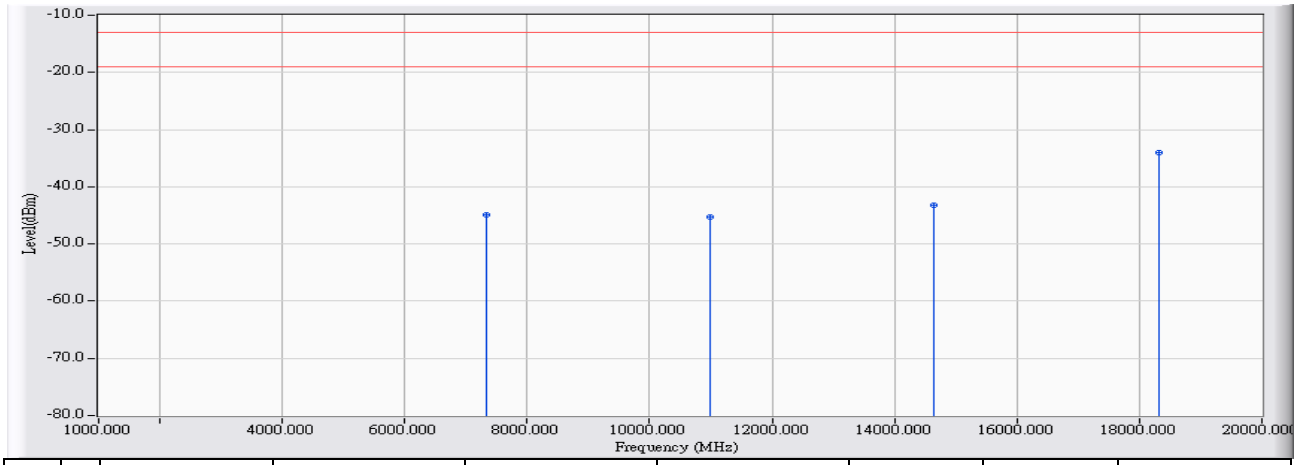



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7305.300 | 20.135 | -64.020 | -43.885 | -30.885 | -13.000 | PEAK |
| 2 | | 10957.050 | 21.157 | -70.650 | -49.493 | -36.493 | -13.000 | PEAK |
| 3 | | 14603.550 | 24.816 | -69.690 | -44.874 | -31.874 | -13.000 | PEAK |
| 4 | * | 18257.617 | 36.650 | -71.610 | -34.960 | -21.960 | -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 - 21:43** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G-1-0901 - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 2: Transmit (3.5MHz BW_16QAM1/2) 3662.5MHz** |

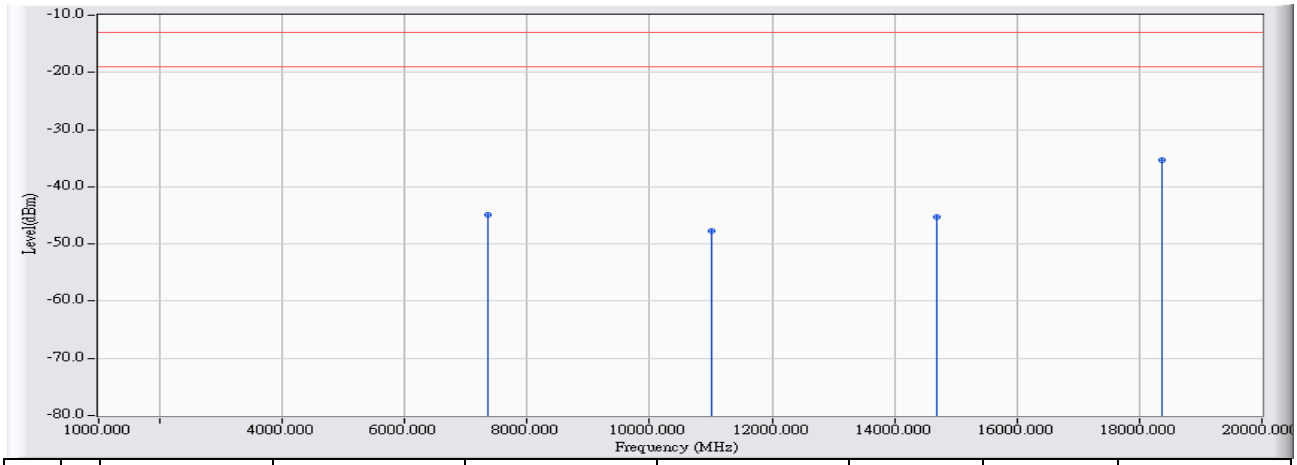



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7327.183 | 20.713 | -65.650 | -44.938 | -31.938 | -13.000 | PEAK |
| 2 | | 10991.867 | 22.559 | -67.910 | -45.351 | -32.351 | -13.000 | PEAK |
| 3 | | 14645.350 | 26.816 | -70.020 | -43.204 | -30.204 | -13.000 | PEAK |
| 4 | * | 18316.967 | 36.690 | -70.780 | -34.090 | -21.090 | -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 - 21:47** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G-1-0901 - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 2: Transmit (3.5MHz BW_16QAM1/2) 3662.5MHz** |

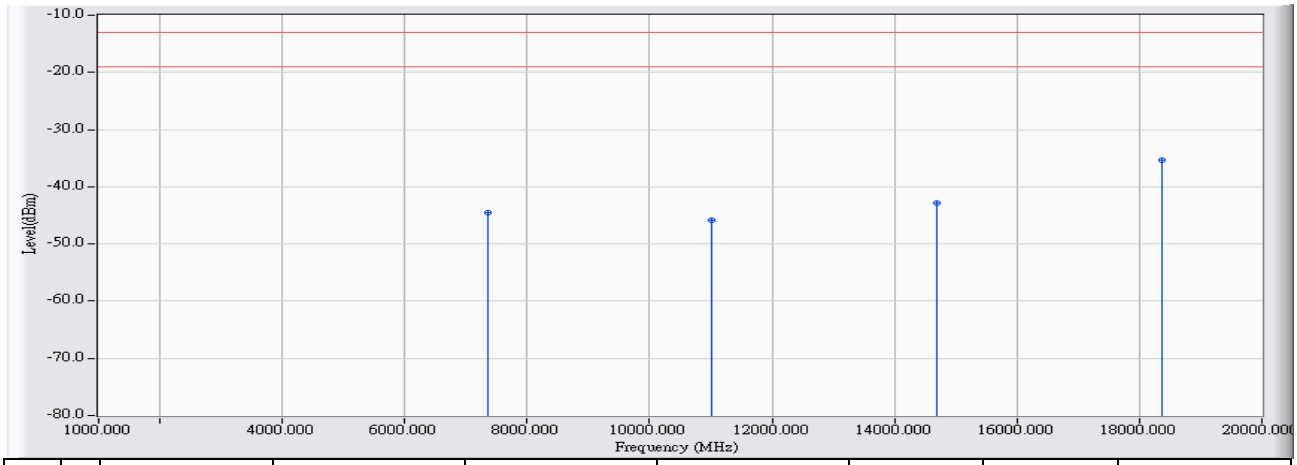



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7348.400 | 20.357 | -65.273 | -44.915 | -31.915 | -13.000 | PEAK |
| 2 | | 11015.500 | 21.215 | -68.930 | -47.715 | -34.715 | -13.000 | PEAK |
| 3 | | 14693.683 | 25.212 | -70.490 | -45.278 | -32.278 | -13.000 | PEAK |
| 4 | * | 18366.050 | 36.650 | -72.010 | -35.360 | -22.360 | -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 : 2011/12/28 - 21:58** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G-1-0901 - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 2: Transmit (3.5MHz BW_16QAM1/2) 3673.25MHz** |

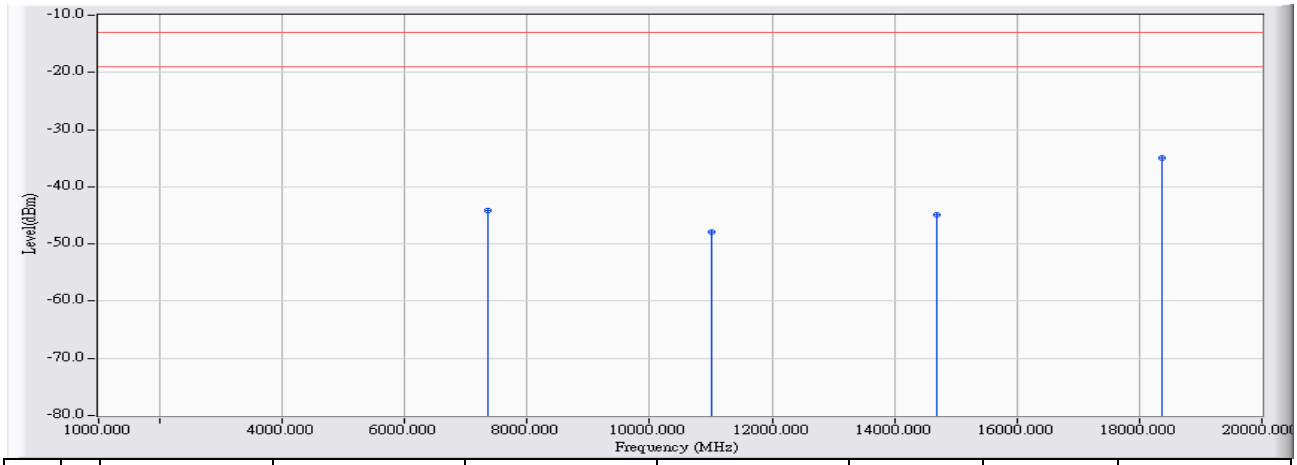



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7348.017 | 20.750 | -65.230 | -44.480 | -31.480 | -13.000 | PEAK |
| 2 | | 11019.450 | 22.585 | -68.340 | -45.755 | -32.755 | -13.000 | PEAK |
| 3 | | 14696.917 | 27.060 | -69.880 | -42.821 | -29.821 | -13.000 | PEAK |
| 4 | * | 18362.017 | 36.690 | -71.941 | -35.251 | -22.251 | -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 - 22:02** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G-1-0901 - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 2: Transmit (3.5MHz BW_16QAM1/2) 3673.25MHz** |

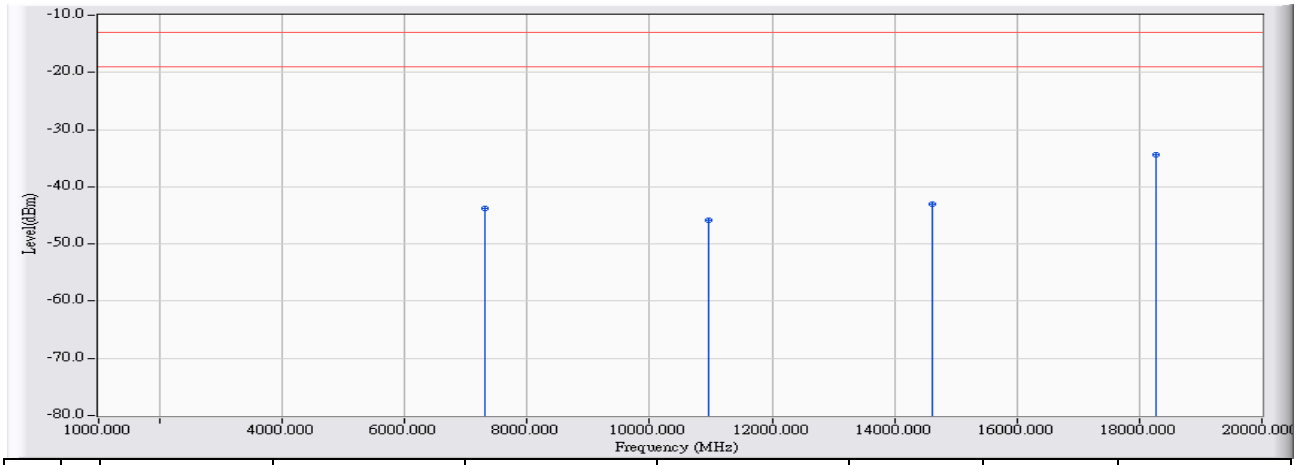



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7348.418 | 20.357 | -64.530 | -44.172 | -31.172 | -13.000 | PEAK |
| 2 | | 11023.533 | 21.244 | -69.230 | -47.986 | -34.986 | -13.000 | PEAK |
| 3 | | 14695.483 | 25.220 | -70.180 | -44.960 | -31.960 | -13.000 | PEAK |
| 4 | * | 18368.283 | 36.650 | -71.700 | -35.050 | -22.050 | -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 - 22:12** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G-1-0901 - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 3: Transmit (3.5MHz BW_64QAM2/3) 3651.75MHz** |

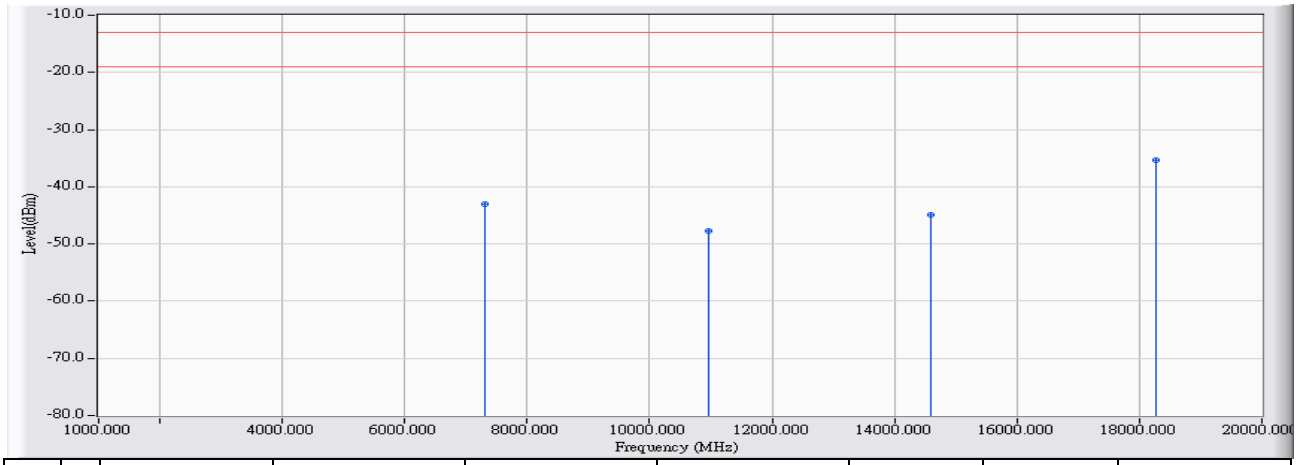



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7303.300 | 20.670 | -64.480 | -43.810 | -30.810 | -13.000 | PEAK |
| 2 | | 10954.150 | 22.507 | -68.290 | -45.782 | -32.782 | -13.000 | PEAK |
| 3 | | 14605.983 | 26.631 | -69.670 | -43.040 | -30.040 | -13.000 | PEAK |
| 4 | * | 18260.550 | 36.690 | -71.040 | -34.350 | -21.350 | -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 - 22:16** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G-1-0901 - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 3: Transmit (3.5MHz BW_64QAM2/3) 3651.75MHz** |

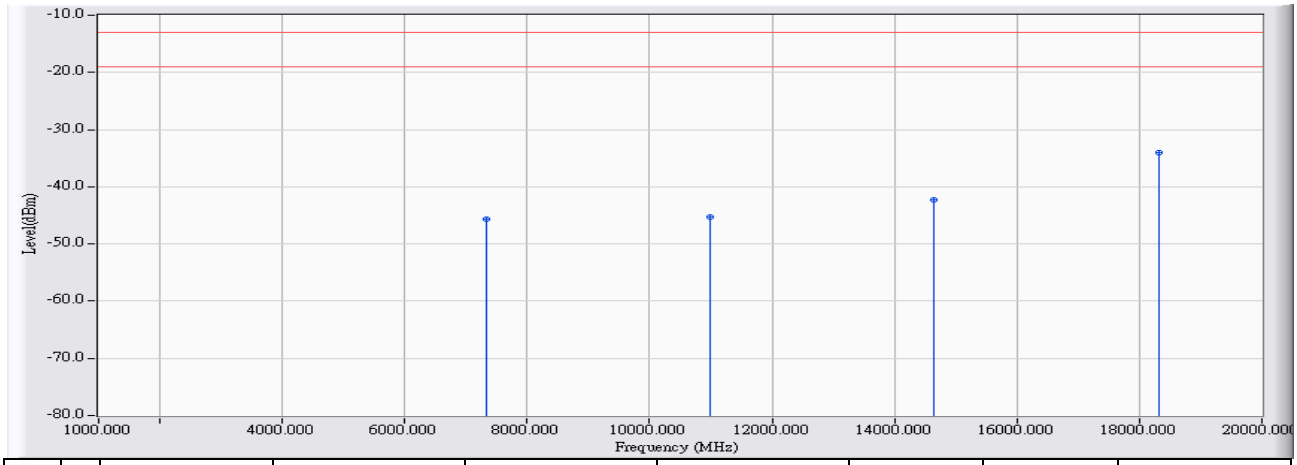



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7303.533 | 20.126 | -63.190 | -43.064 | -30.064 | -13.000 | PEAK |
| 2 | | 10958.833 | 21.157 | -68.920 | -47.762 | -34.762 | -13.000 | PEAK |
| 3 | | 14603.767 | 24.816 | -69.660 | -44.843 | -31.843 | -13.000 | PEAK |
| 4 | * | 18261.283 | 36.650 | -71.920 | -35.270 | -22.270 | -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 : 2012/01/03 - 20:08** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G-1-0901 - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 3: Transmit (3.5MHz BW_64QAM2/3) 3662.5MHz** |

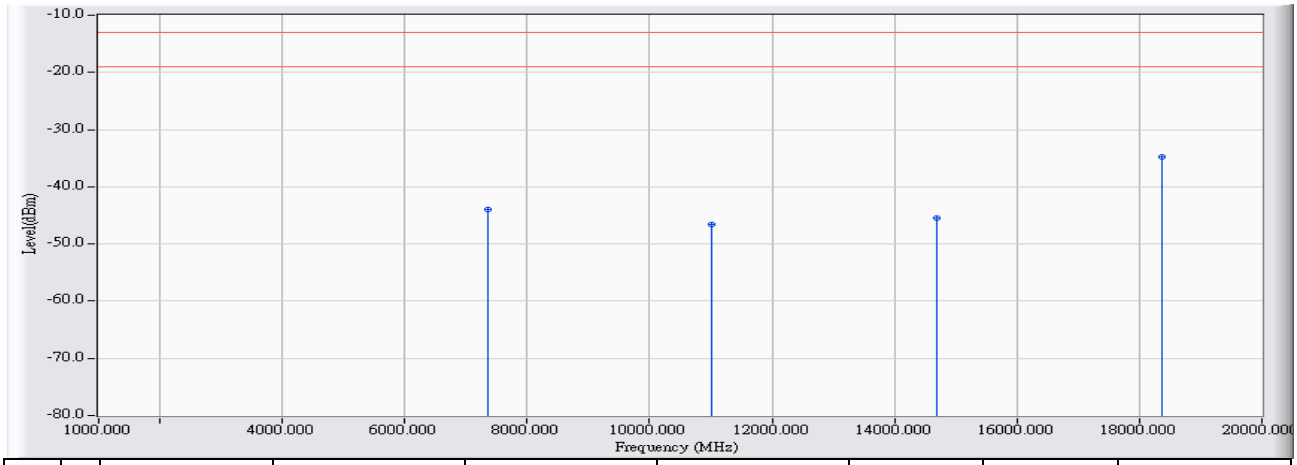



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7327.333 | 20.713 | -66.310 | -45.597 | -32.597 | -13.000 | PEAK |
| 2 | | 10992.110 | 22.559 | -67.820 | -45.261 | -32.261 | -13.000 | PEAK |
| 3 | | 14645.340 | 26.816 | -69.013 | -42.197 | -29.197 | -13.000 | PEAK |
| 4 | * | 18312.966 | 36.690 | -70.630 | -33.940 | -20.940 | -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 : 2012/01/03 - 20:28** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G-1-0901 - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 3: Transmit (3.5MHz BW_64QAM2/3) 3662.5MHz** |

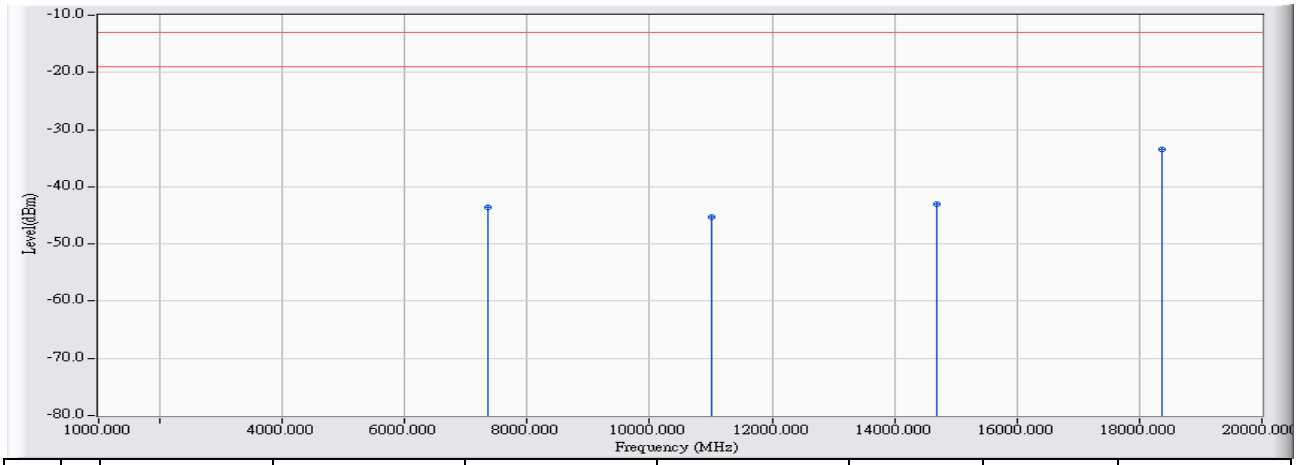



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7348.300 | 20.357 | -64.266 | -43.909 | -30.909 | -13.000 | PEAK |
| 2 | | 11015.340 | 21.215 | -67.733 | -46.518 | -33.518 | -13.000 | PEAK |
| 3 | | 14692.333 | 25.206 | -70.660 | -45.454 | -32.454 | -13.000 | PEAK |
| 4 | * | 18366.112 | 36.650 | -71.330 | -34.680 | -21.680 | -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 : 2012/01/03 - 20:30** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G-1-0901 - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 3: Transmit (3.5MHz BW_64QAM2/3) 3673.25MHz** |

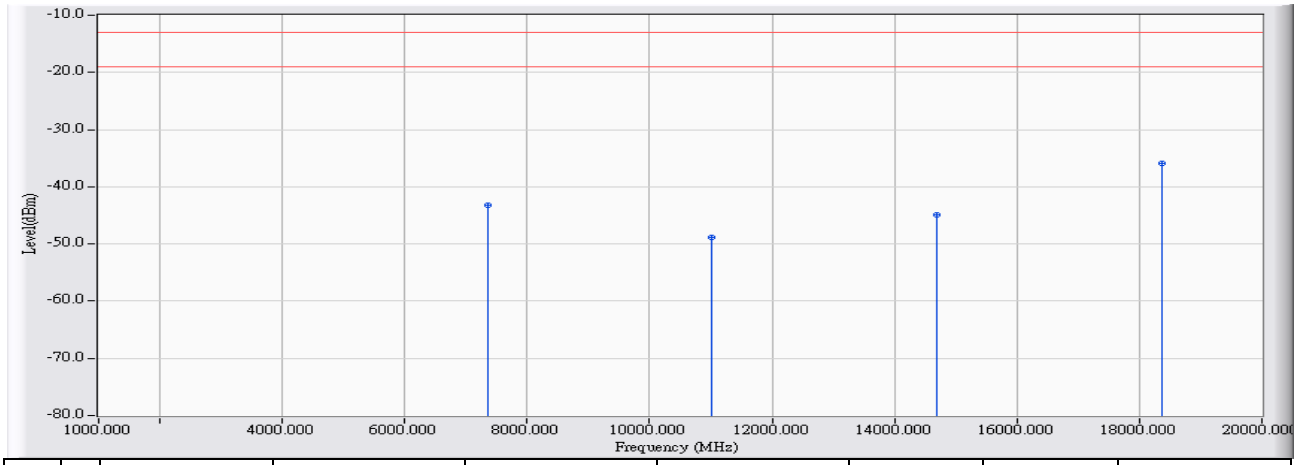



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7347.596 | 20.749 | -64.330 | -43.581 | -30.581 | -13.000 | PEAK |
| 2 | | 11020.120 | 22.586 | -67.960 | -45.374 | -32.374 | -13.000 | PEAK |
| 3 | | 14697.756 | 27.064 | -70.120 | -43.057 | -30.057 | -13.000 | PEAK |
| 4 | * | 18362.710 | 36.690 | -70.120 | -33.430 | -20.430 | -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 : 2012/01/03 - 20:31** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G-1-0901 - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 3: Transmit (3.5MHz BW_64QAM2/3) 3673.25MHz** |

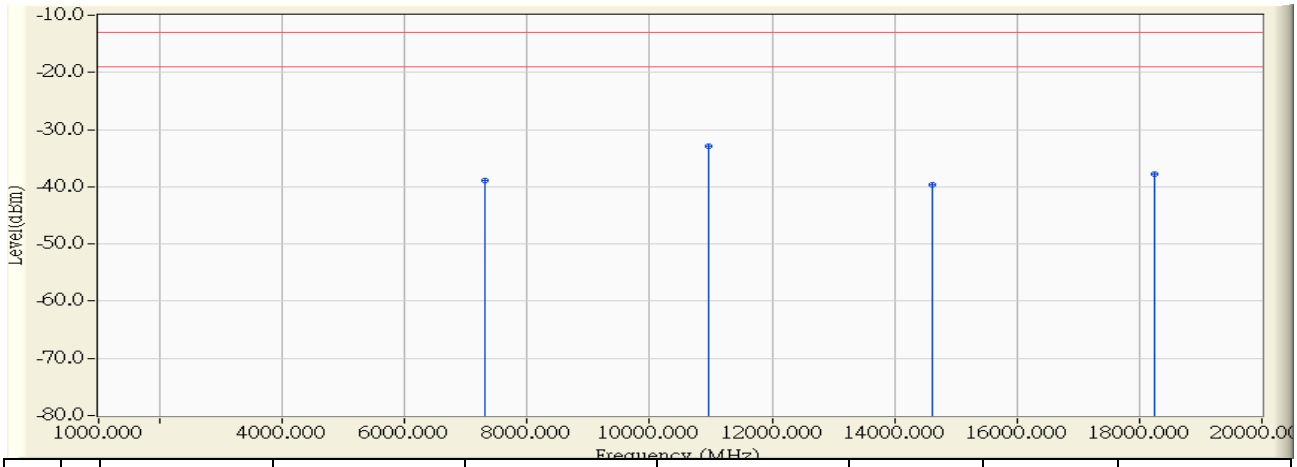



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7349.311 | 20.363 | -63.530 | -43.168 | -30.168 | -13.000 | PEAK |
| 2 | | 11022.987 | 21.242 | -70.110 | -48.868 | -35.868 | -13.000 | PEAK |
| 3 | | 14695.555 | 25.220 | -70.200 | -44.980 | -31.980 | -13.000 | PEAK |
| 4 | * | 18367.990 | 36.650 | -72.500 | -35.850 | -22.850 | -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 : 2012/01/03 - 20:37** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 4: Transmit (5MHz BW_QPSK3/4) 3652.5MHz** |

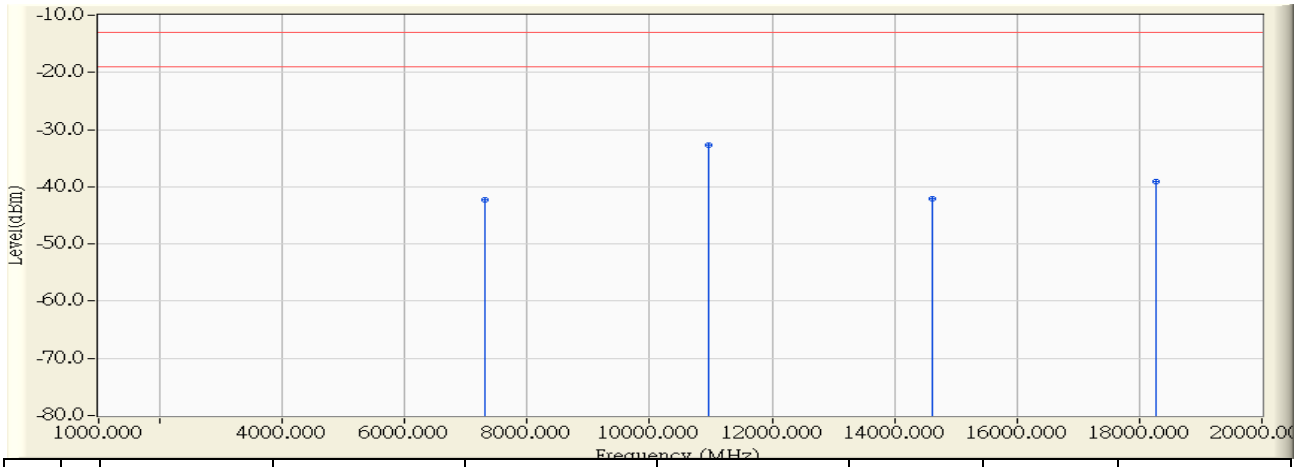



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7305.171 | 20.175 | -59.077 | -38.901 | -25.901 | -13.000 | PEAK |
| 2 | * | 10958.295 | 25.373 | -58.314 | -32.940 | -19.940 | -13.000 | PEAK |
| 3 | | 14606.246 | 28.335 | -68.049 | -39.714 | -26.714 | -13.000 | PEAK |
| 4 | | 18256.707 | 31.900 | -69.753 | -37.853 | -24.853 | -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 : 2012/01/03 - 20:37** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 4: Transmit (5MHz BW_QPSK3/4) 3652.5MHz** |

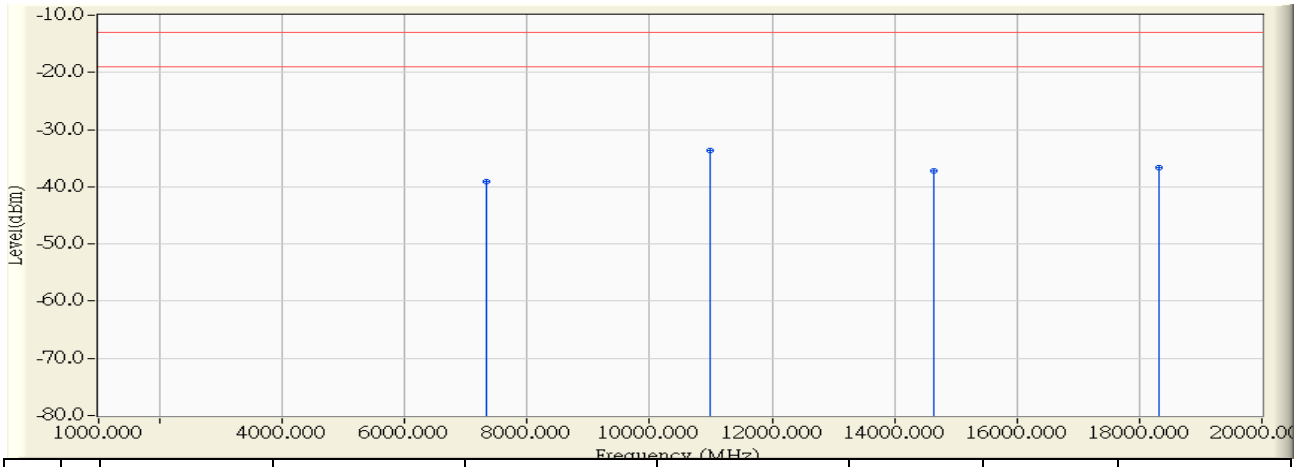



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7304.742 | 19.460 | -61.791 | -42.331 | -29.331 | -13.000 | PEAK |
| 2 | * | 10957.796 | 25.255 | -57.894 | -32.639 | -19.639 | -13.000 | PEAK |
| 3 | | 14609.800 | 27.069 | -69.170 | -42.101 | -29.101 | -13.000 | PEAK |
| 4 | | 18265.531 | 31.300 | -70.357 | -39.057 | -26.057 | -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 : 2012/01/03 - 20:37** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 4: Transmit (5MHz BW_QPSK3/4) 3662.5MHz** |

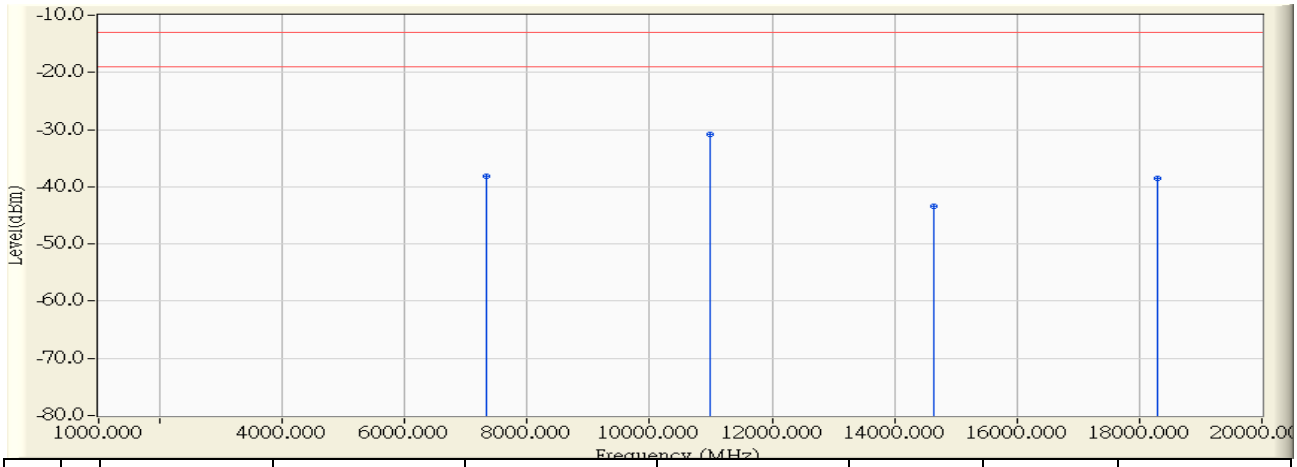



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7326.049 | 20.206 | -59.274 | -39.068 | -26.068 | -13.000 | PEAK |
| 2 | * | 10987.533 | 25.525 | -59.255 | -33.730 | -20.730 | -13.000 | PEAK |
| 3 | | 14649.056 | 28.345 | -65.506 | -37.161 | -24.161 | -13.000 | PEAK |
| 4 | | 18314.156 | 31.900 | -68.583 | -36.683 | -23.683 | -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 : 2012/01/03 - 20:37** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 4: Transmit (5MHz BW_QPSK3/4) 3662.5MHz** |

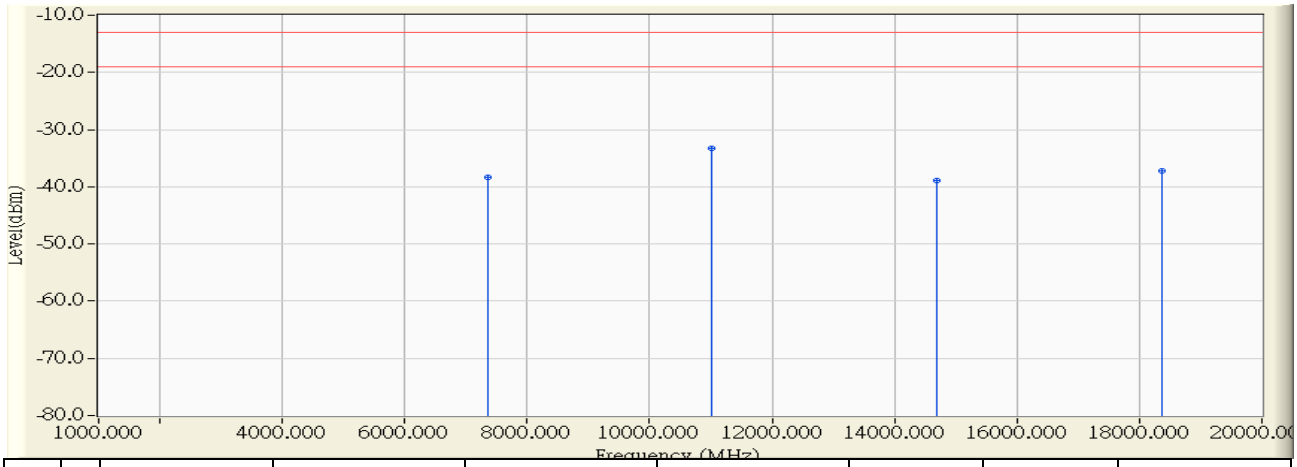



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7326.192 | 19.540 | -57.614 | -38.074 | -25.074 | -13.000 | PEAK |
| 2 | * | 10987.739 | 25.400 | -56.270 | -30.870 | -17.870 | -13.000 | PEAK |
| 3 | | 14651.934 | 27.141 | -70.467 | -43.326 | -30.326 | -13.000 | PEAK |
| 4 | | 18305.025 | 31.300 | -69.780 | -38.480 | -25.480 | -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 : 2012/01/03 - 20:37** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 4: Transmit (5MHz BW_QPSK3/4) 3672.5MHz** |

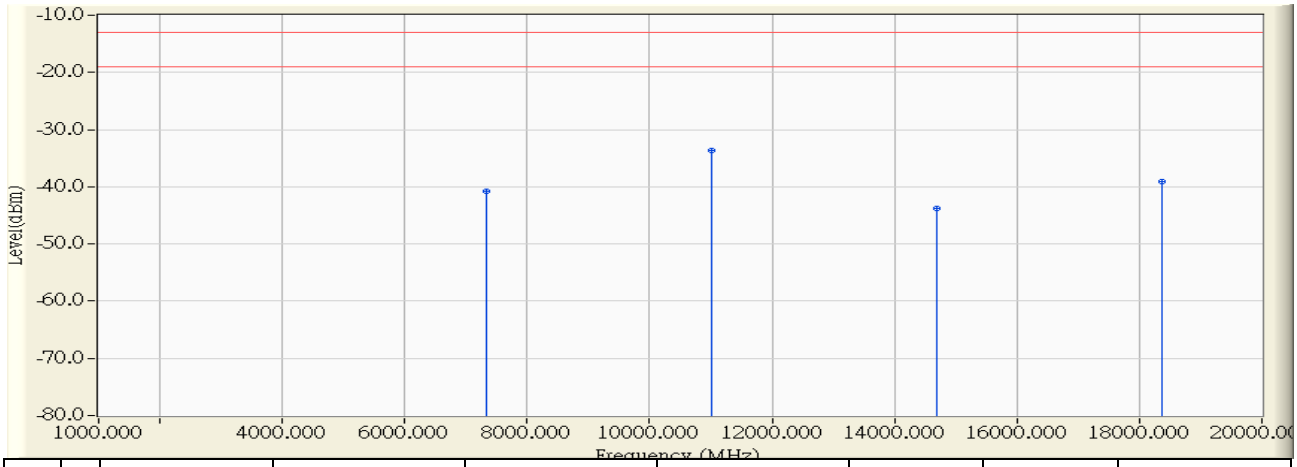



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7345.726 | 20.235 | -58.539 | -38.304 | -25.304 | -13.000 | PEAK |
| 2 | * | 11016.090 | 25.611 | -58.940 | -33.327 | -20.327 | -13.000 | PEAK |
| 3 | | 14690.715 | 28.356 | -67.334 | -38.978 | -25.978 | -13.000 | PEAK |
| 4 | | 18365.545 | 31.900 | -69.118 | -37.218 | -24.218 | -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 : 2012/01/03 - 20:37** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 4: Transmit (5MHz BW_QPSK3/4) 3672.5MHz** |

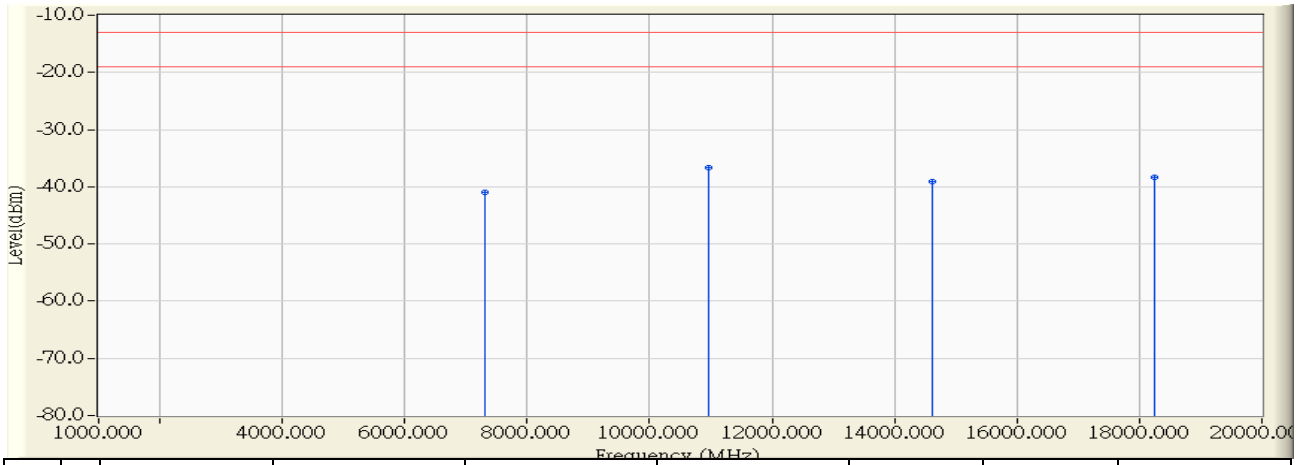



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7345.200 | 19.612 | -60.298 | -40.687 | -27.687 | -13.000 | PEAK |
| 2 | * | 11015.961 | 25.469 | -59.067 | -33.598 | -20.598 | -13.000 | PEAK |
| 3 | | 14686.646 | 27.200 | -70.950 | -43.750 | -30.750 | -13.000 | PEAK |
| 4 | | 18363.809 | 31.300 | -70.358 | -39.058 | -26.058 | -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 : 2012/01/03 - 20:37** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 5: Transmit (5MHz BW_16QAM1/2) 3652.5MHz** |

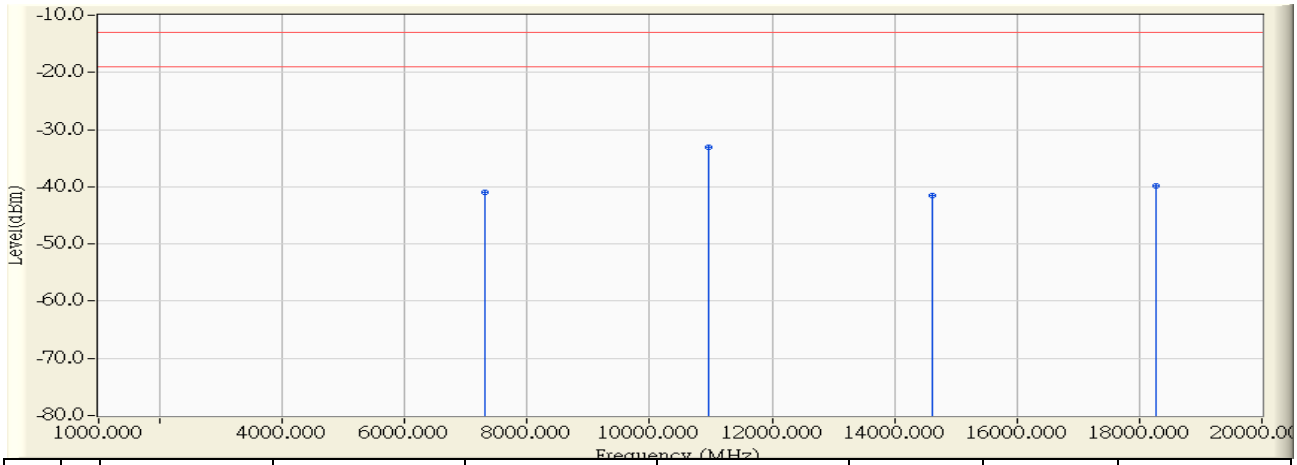



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7304.079 | 20.173 | -61.077 | -40.903 | -27.903 | -13.000 | PEAK |
| 2 | * | 10957.438 | 25.369 | -61.927 | -36.558 | -23.558 | -13.000 | PEAK |
| 3 | | 14614.061 | 28.337 | -67.452 | -39.115 | -26.115 | -13.000 | PEAK |
| 4 | | 18254.047 | 31.900 | -70.279 | -38.379 | -25.379 | -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 : 2012/01/03 - 20:37** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 5: Transmit (5MHz BW_16QAM1/2) 3652.5MHz** |

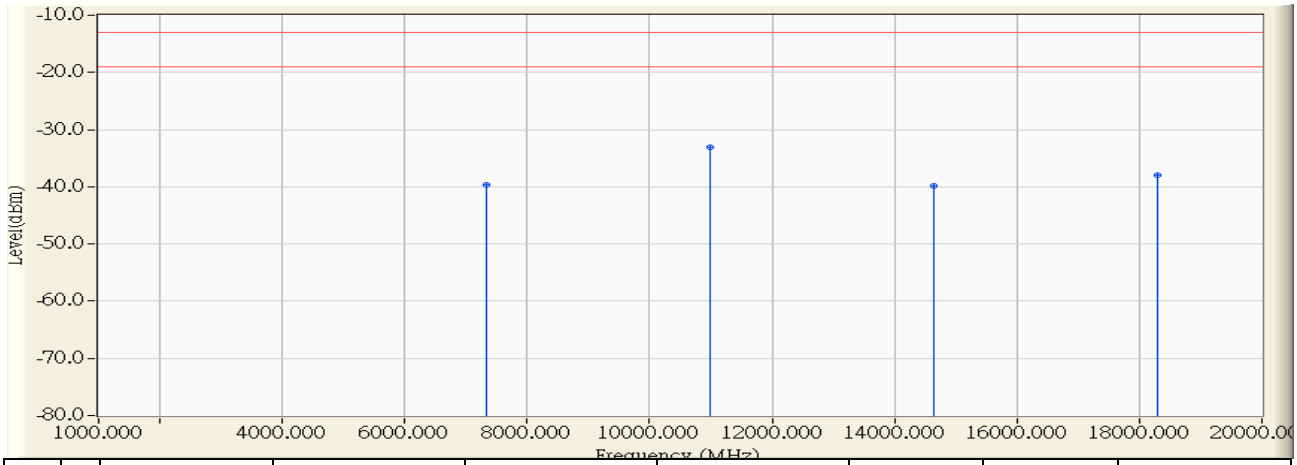



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7305.719 | 19.463 | -60.455 | -40.992 | -27.992 | -13.000 | PEAK |
| 2 | * | 10957.815 | 25.255 | -58.396 | -33.141 | -20.141 | -13.000 | PEAK |
| 3 | | 14608.891 | 27.067 | -68.658 | -41.591 | -28.591 | -13.000 | PEAK |
| 4 | | 18268.146 | 31.300 | -71.155 | -39.855 | -26.855 | -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 : 2012/01/03 - 20:37** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 5: Transmit (5MHz BW_16QAM1/2) 3662.5MHz** |

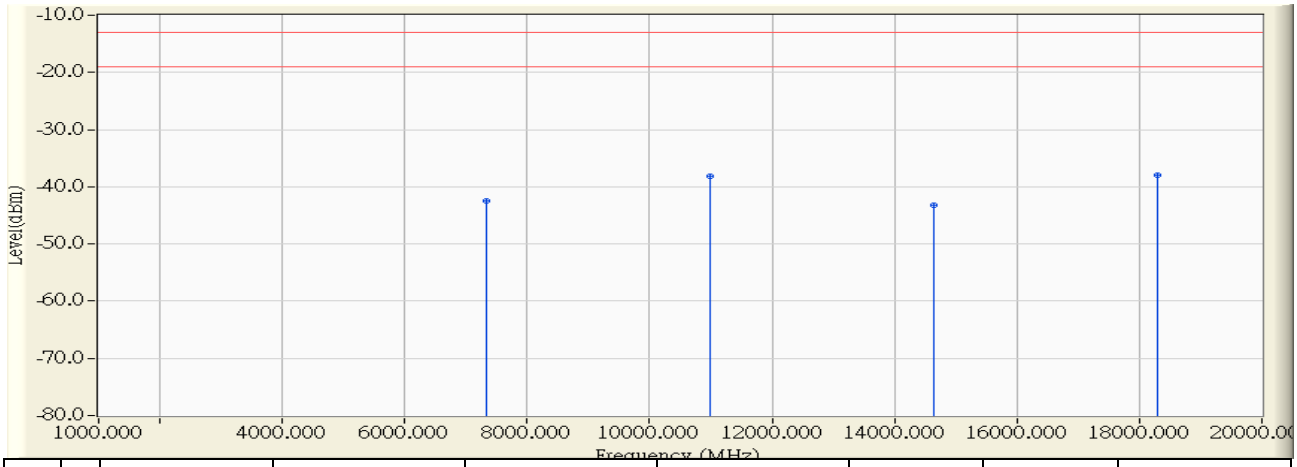



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7325.559 | 20.206 | -59.938 | -39.733 | -26.733 | -13.000 | PEAK |
| 2 | * | 10987.813 | 25.526 | -58.567 | -33.040 | -20.040 | -13.000 | PEAK |
| 3 | | 14647.360 | 28.345 | -68.100 | -39.755 | -26.755 | -13.000 | PEAK |
| 4 | | 18303.408 | 31.900 | -69.933 | -38.033 | -25.033 | -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 : 2012/01/03 - 20:37** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 5: Transmit (5MHz BW_16QAM1/2) 3662.5MHz** |

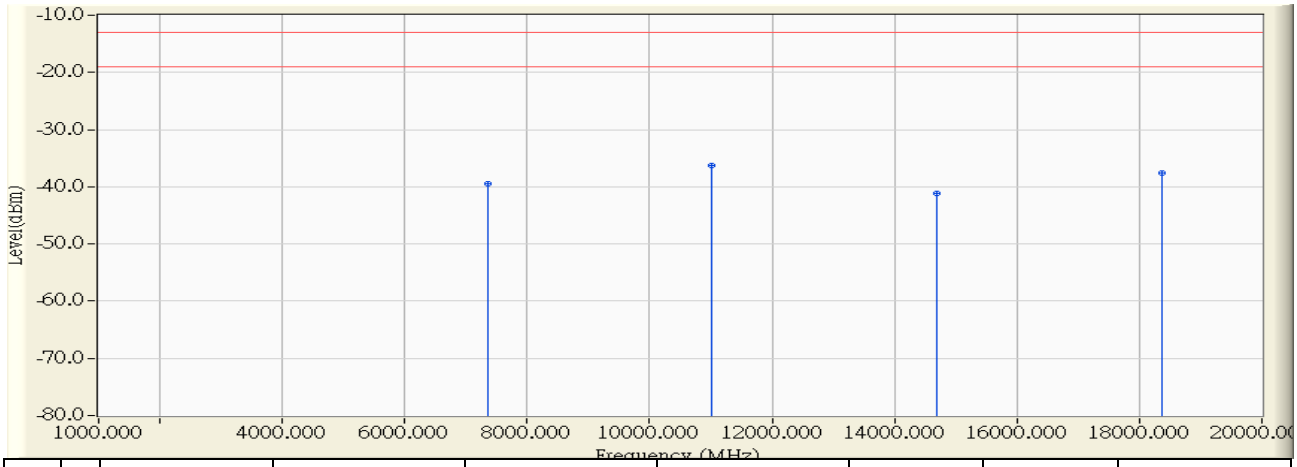



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7325.145 | 19.536 | -62.041 | -42.505 | -29.505 | -13.000 | PEAK |
| 2 | | 10989.034 | 25.407 | -63.631 | -38.224 | -25.224 | -13.000 | PEAK |
| 3 | | 14646.906 | 27.133 | -70.299 | -43.166 | -30.166 | -13.000 | PEAK |
| 4 | * | 18304.736 | 31.300 | -69.342 | -38.042 | -25.042 | -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 : 2012/01/03 - 20:38** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 5: Transmit (5MHz BW_16QAM1/2) 3672.5MHz** |

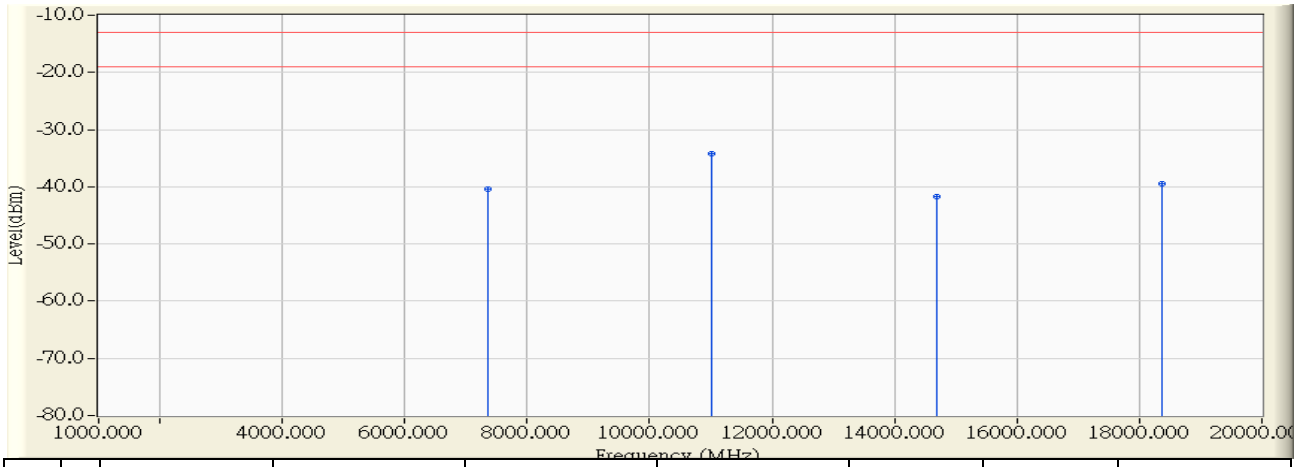



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7345.718 | 20.235 | -59.680 | -39.445 | -26.445 | -13.000 | PEAK |
| 2 | * | 11016.793 | 25.613 | -61.908 | -36.295 | -23.295 | -13.000 | PEAK |
| 3 | | 14686.949 | 28.355 | -69.538 | -41.183 | -28.183 | -13.000 | PEAK |
| 4 | | 18367.041 | 31.900 | -69.485 | -37.585 | -24.585 | -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 : 2012/01/03 - 20:38** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 5: Transmit (5MHz BW_16QAM1/2) 3672.5MHz** |

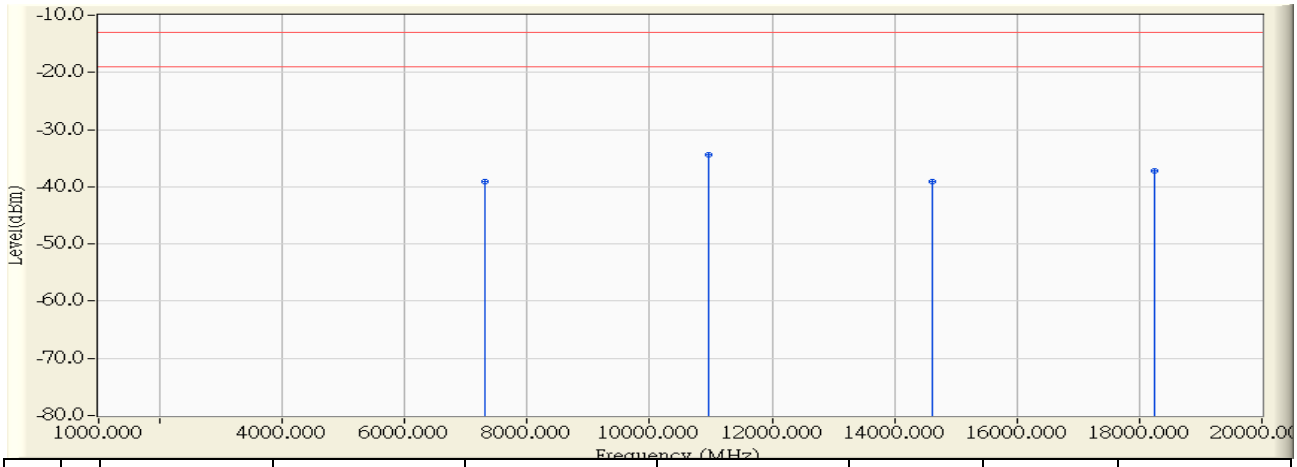



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7345.778 | 19.613 | -60.010 | -40.397 | -27.397 | -13.000 | PEAK |
| 2 | * | 11017.414 | 25.470 | -59.644 | -34.173 | -21.173 | -13.000 | PEAK |
| 3 | | 14688.514 | 27.205 | -68.899 | -41.694 | -28.694 | -13.000 | PEAK |
| 4 | | 18362.436 | 31.300 | -70.770 | -39.470 | -26.470 | -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 : 2012/01/03 - 20:38** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 6: Transmit (5MHz BW_64QAM2/3) 3652.5MHz** |

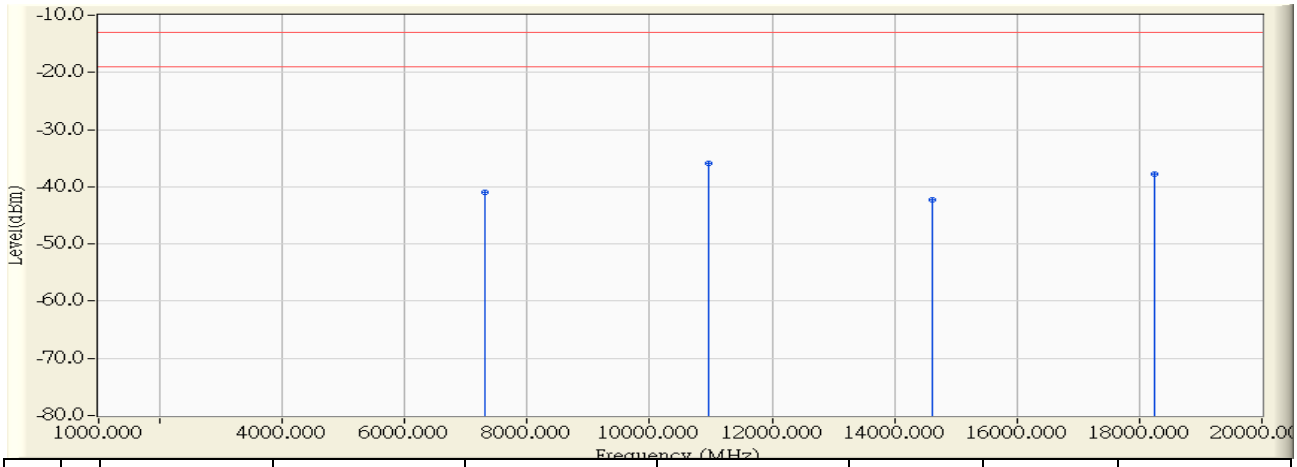



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7304.469 | 20.175 | -59.315 | -39.140 | -26.140 | -13.000 | PEAK |
| 2 | * | 10955.584 | 25.360 | -59.705 | -34.345 | -21.345 | -13.000 | PEAK |
| 3 | | 14612.296 | 28.337 | -67.406 | -39.069 | -26.069 | -13.000 | PEAK |
| 4 | | 18253.695 | 31.900 | -69.147 | -37.247 | -24.247 | -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 : 2012/01/03 - 20:38** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 6: Transmit (5MHz BW_64QAM2/3) 3652.5MHz** |

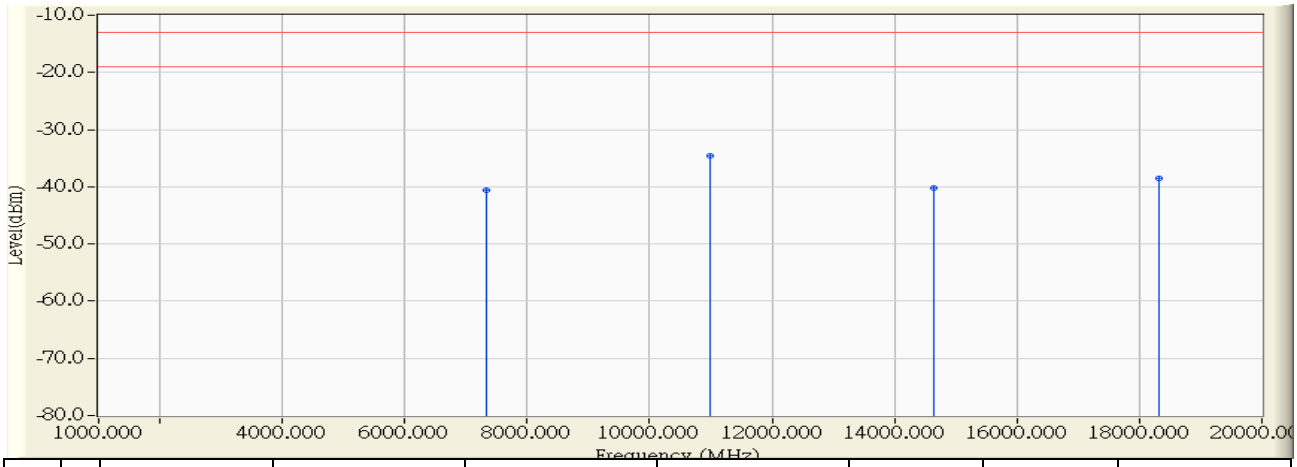



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7306.139 | 19.465 | -60.365 | -40.900 | -27.900 | -13.000 | PEAK |
| 2 | * | 10956.749 | 25.250 | -61.070 | -35.820 | -22.820 | -13.000 | PEAK |
| 3 | | 14609.440 | 27.068 | -69.301 | -42.233 | -29.233 | -13.000 | PEAK |
| 4 | | 18255.350 | 31.300 | -69.007 | -37.707 | -24.707 | -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 : 2012/01/03 - 20:38** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 6: Transmit (5MHz BW_64QAM2/3) 3662.5MHz** |

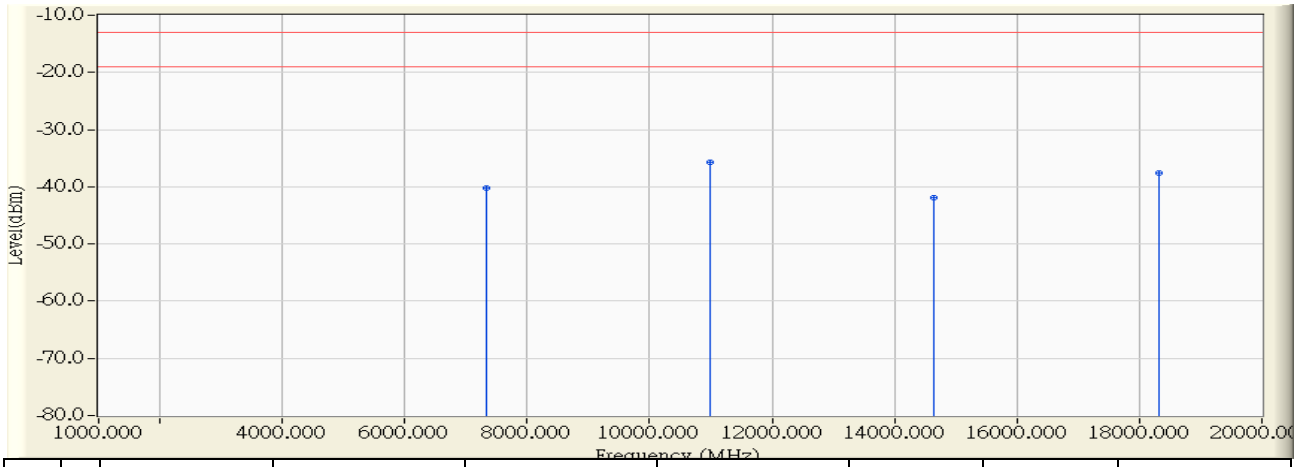



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7324.132 | 20.203 | -60.858 | -40.655 | -27.655 | -13.000 | PEAK |
| 2 | * | 10987.255 | 25.524 | -60.073 | -34.549 | -21.549 | -13.000 | PEAK |
| 3 | | 14651.828 | 28.346 | -68.527 | -40.181 | -27.181 | -13.000 | PEAK |
| 4 | | 18308.059 | 31.900 | -70.417 | -38.517 | -25.517 | -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 : 2012/01/03 - 20:38** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 6: Transmit (5MHz BW_64QAM2/3) 3662.5MHz** |

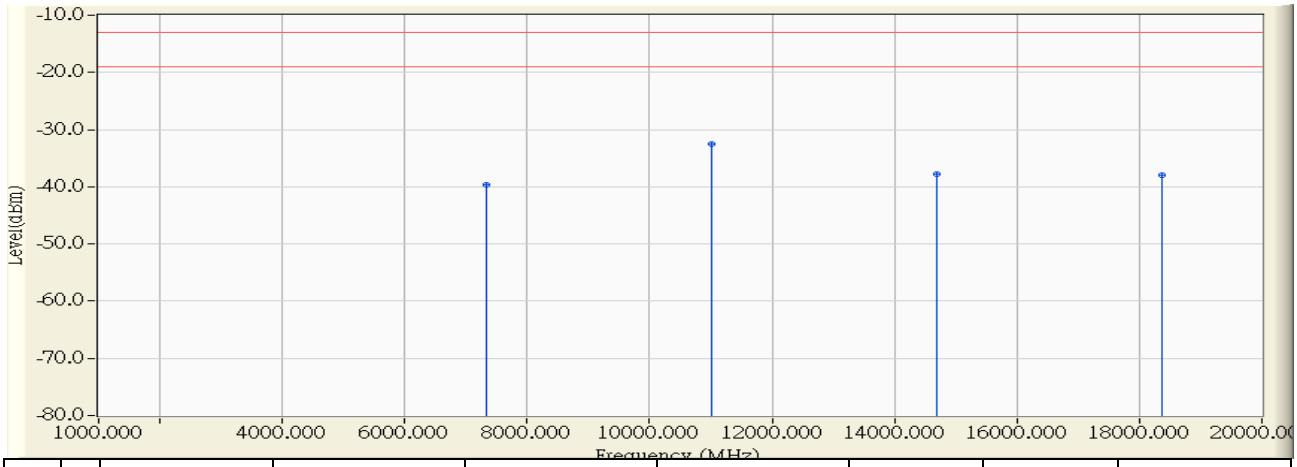



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7323.750 | 19.530 | -59.683 | -40.152 | -27.152 | -13.000 | PEAK |
| 2 | * | 10986.952 | 25.397 | -61.015 | -35.618 | -22.618 | -13.000 | PEAK |
| 3 | | 14649.911 | 27.138 | -69.004 | -41.866 | -28.866 | -13.000 | PEAK |
| 4 | | 18316.080 | 31.300 | -68.944 | -37.644 | -24.644 | -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 : 2012/01/03 - 20:38** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 6: Transmit (5MHz BW_64QAM2/3) 3672.5MHz** |

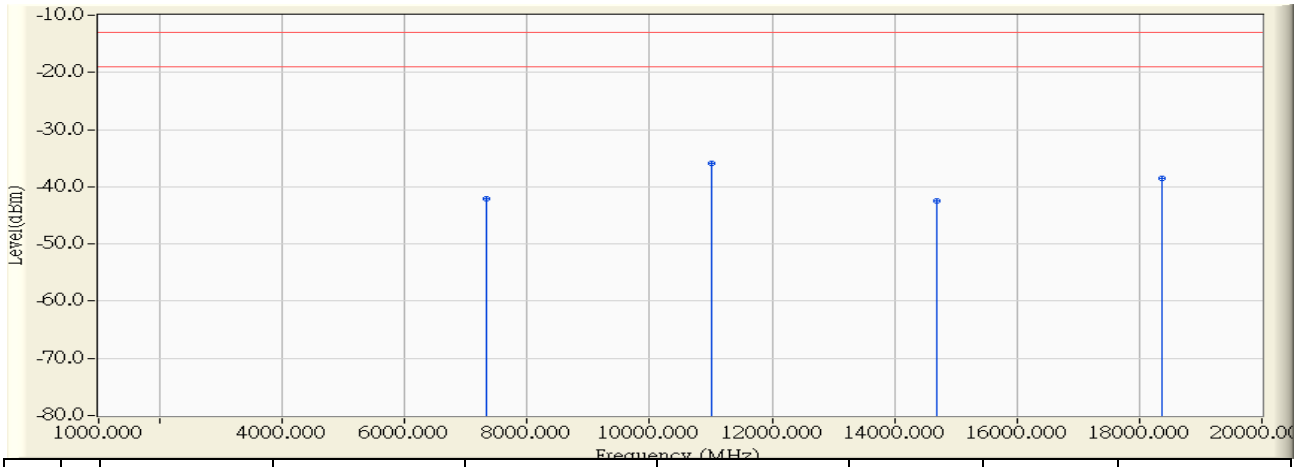



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7343.315 | 20.230 | -59.900 | -39.669 | -26.669 | -13.000 | PEAK |
| 2 | * | 11017.112 | 25.614 | -58.140 | -32.527 | -19.527 | -13.000 | PEAK |
| 3 | | 14690.544 | 28.355 | -66.216 | -37.861 | -24.861 | -13.000 | PEAK |
| 4 | | 18367.785 | 31.900 | -69.912 | -38.012 | -25.012 | -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 : 2012/01/03 - 20:38** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 6: Transmit (5MHz BW_64QAM2/3) 3672.5MHz** |

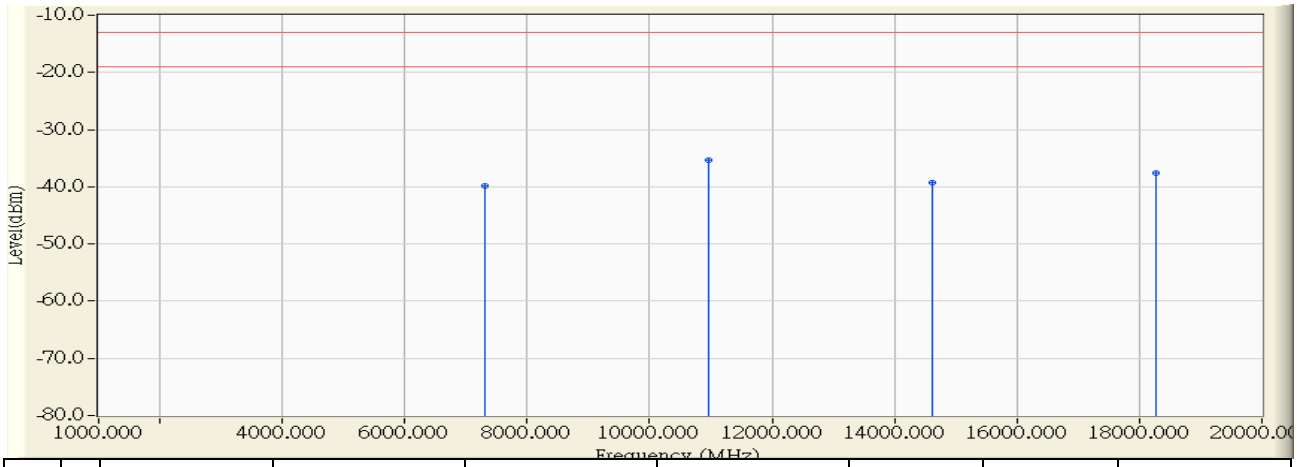



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7344.795 | 19.609 | -61.692 | -42.082 | -29.082 | -13.000 | PEAK |
| 2 | * | 11015.253 | 25.469 | -61.299 | -35.829 | -22.829 | -13.000 | PEAK |
| 3 | | 14685.316 | 27.199 | -69.629 | -42.430 | -29.430 | -13.000 | PEAK |
| 4 | | 18355.879 | 31.300 | -69.875 | -38.575 | -25.575 | -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 : 2012/01/03 - 20:44** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 7: Transmit (7MHz BW_QPSK3/4) 3653.5MHz** |

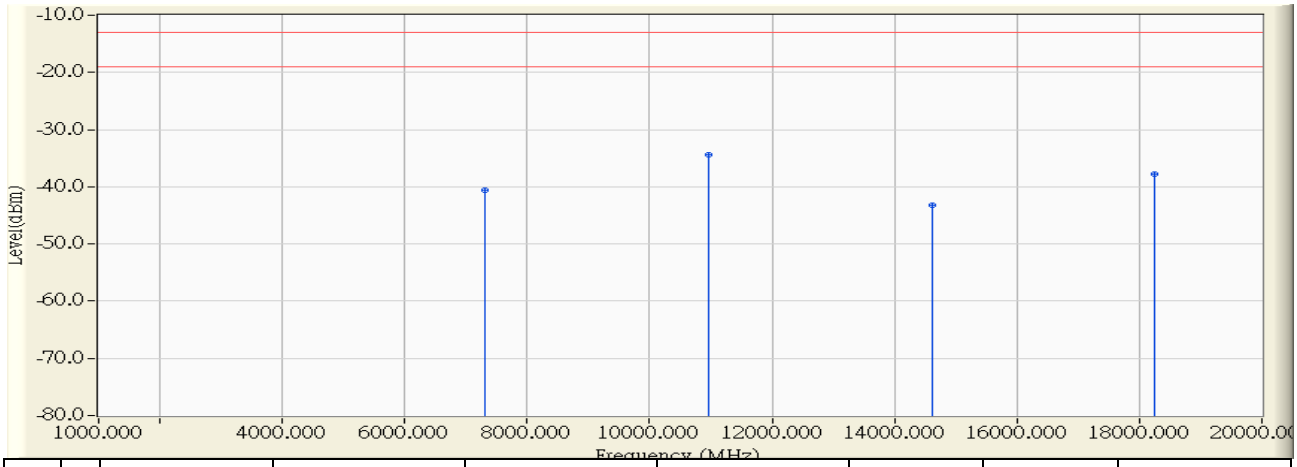



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7307.414 | 20.179 | -60.020 | -39.841 | -26.841 | -13.000 | PEAK |
| 2 | * | 10960.345 | 25.384 | -60.699 | -35.314 | -22.314 | -13.000 | PEAK |
| 3 | | 14621.756 | 28.339 | -67.635 | -39.296 | -26.296 | -13.000 | PEAK |
| 4 | | 18260.211 | 31.900 | -69.552 | -37.652 | -24.652 | -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 : 2012/01/03 - 20:44** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 7: Transmit (7MHz BW_QPSK3/4) 3653.5MHz** |

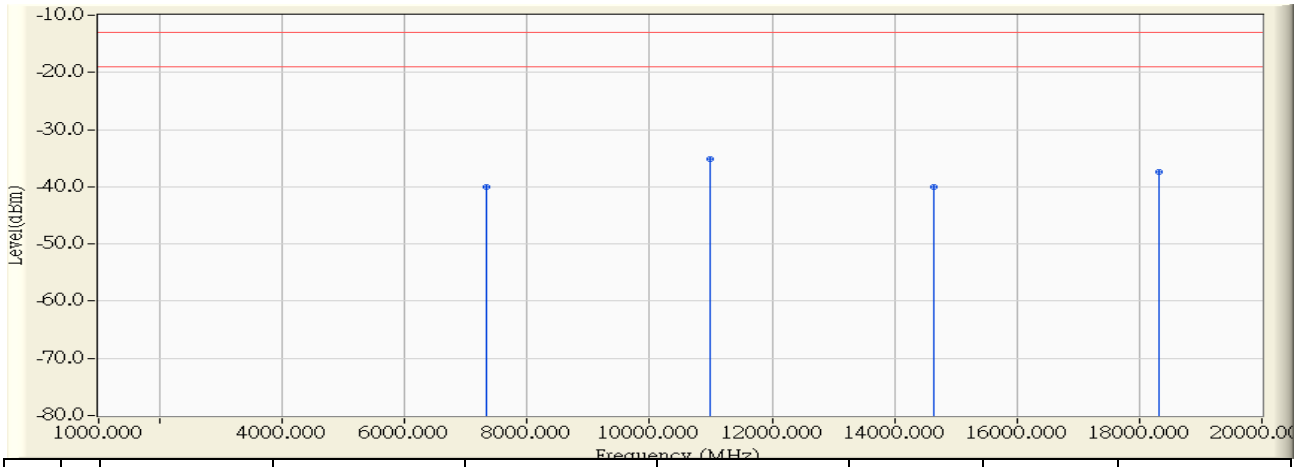



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7307.007 | 19.468 | -60.031 | -40.563 | -27.563 | -13.000 | PEAK |
| 2 | * | 10965.865 | 25.293 | -59.725 | -34.431 | -21.431 | -13.000 | PEAK |
| 3 | | 14618.505 | 27.084 | -70.210 | -43.126 | -30.126 | -13.000 | PEAK |
| 4 | | 18258.244 | 31.300 | -69.085 | -37.785 | -24.785 | -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 : 2012/01/03 - 20:44** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 7: Transmit (7MHz BW_QPSK3/4) 3662.5MHz** |

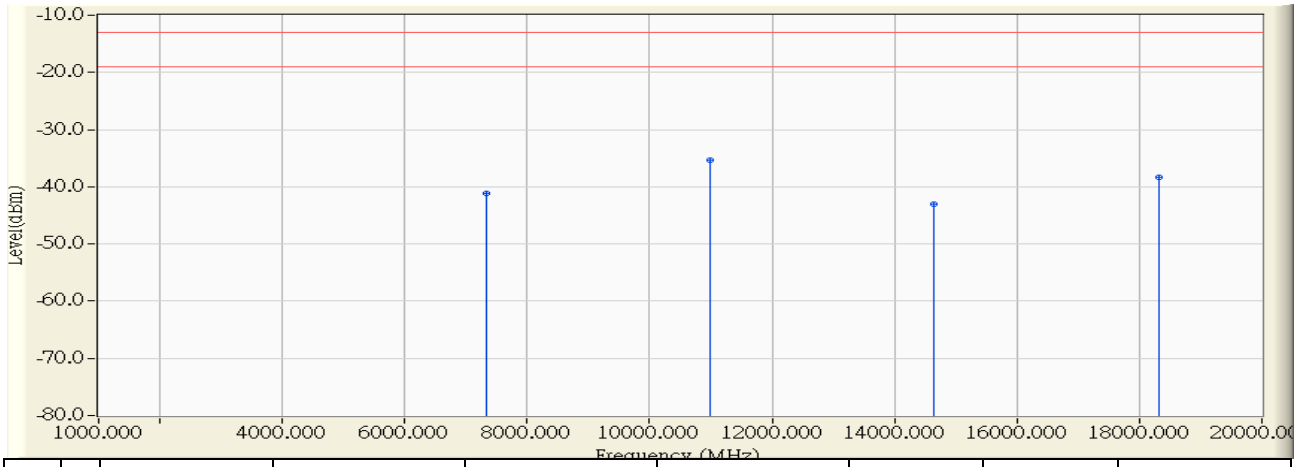



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7326.553 | 20.207 | -60.155 | -39.948 | -26.948 | -13.000 | PEAK |
| 2 | * | 10988.495 | 25.530 | -60.720 | -35.190 | -22.190 | -13.000 | PEAK |
| 3 | | 14648.920 | 28.345 | -68.353 | -40.008 | -27.008 | -13.000 | PEAK |
| 4 | | 18309.980 | 31.900 | -69.364 | -37.464 | -24.464 | -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 : 2012/01/03 - 20:44** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 7: Transmit (7MHz BW_QPSK3/4) 3662.5MHz** |

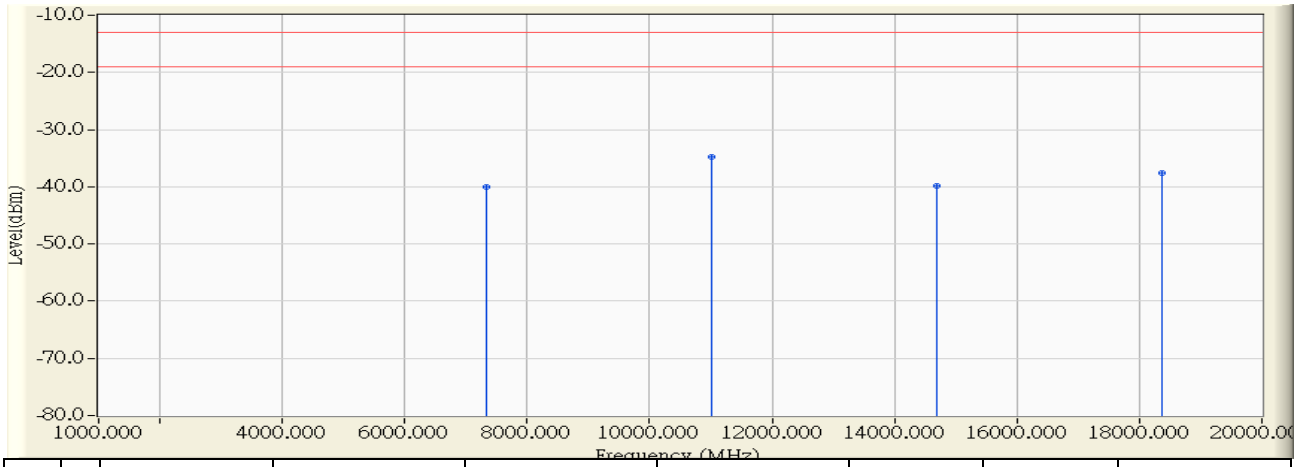



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7326.417 | 19.541 | -60.694 | -41.153 | -28.153 | -13.000 | PEAK |
| 2 | * | 10989.963 | 25.411 | -60.826 | -35.415 | -22.415 | -13.000 | PEAK |
| 3 | | 14650.531 | 27.139 | -70.101 | -42.962 | -29.962 | -13.000 | PEAK |
| 4 | | 18321.230 | 31.300 | -69.652 | -38.352 | -25.352 | -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 : 2012/01/03 - 20:44** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 7: Transmit (7MHz BW_QPSK3/4) 3671.5MHz** |

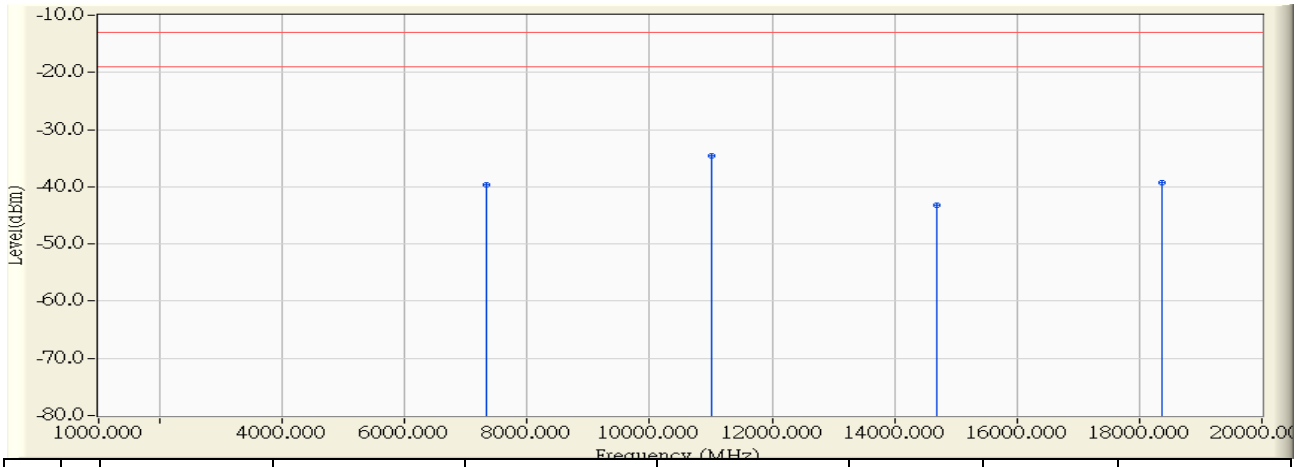



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7343.463 | 20.232 | -60.191 | -39.960 | -26.960 | -13.000 | PEAK |
| 2 | * | 11012.226 | 25.607 | -60.432 | -34.826 | -21.826 | -13.000 | PEAK |
| 3 | | 14684.175 | 28.354 | -68.121 | -39.767 | -26.767 | -13.000 | PEAK |
| 4 | | 18365.621 | 31.900 | -69.490 | -37.590 | -24.590 | -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 : 2012/01/03 - 20:44** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 7: Transmit (7MHz BW_QPSK3/4) 3671.5MHz** |

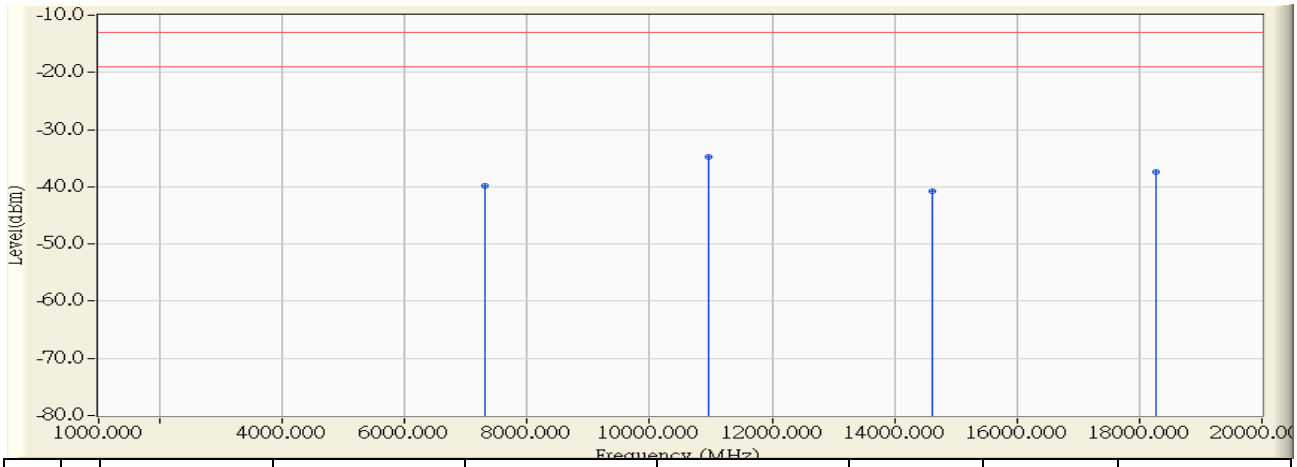



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7344.075 | 19.607 | -59.346 | -39.739 | -26.739 | -13.000 | PEAK |
| 2 | * | 11013.097 | 25.468 | -59.975 | -34.507 | -21.507 | -13.000 | PEAK |
| 3 | | 14683.837 | 27.196 | -70.356 | -43.160 | -30.160 | -13.000 | PEAK |
| 4 | | 18364.682 | 31.300 | -70.650 | -39.350 | -26.350 | -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 : 2012/01/03 - 20:44** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 8: Transmit (7MHz BW_16QAM1/2) 3653.5MHz** |

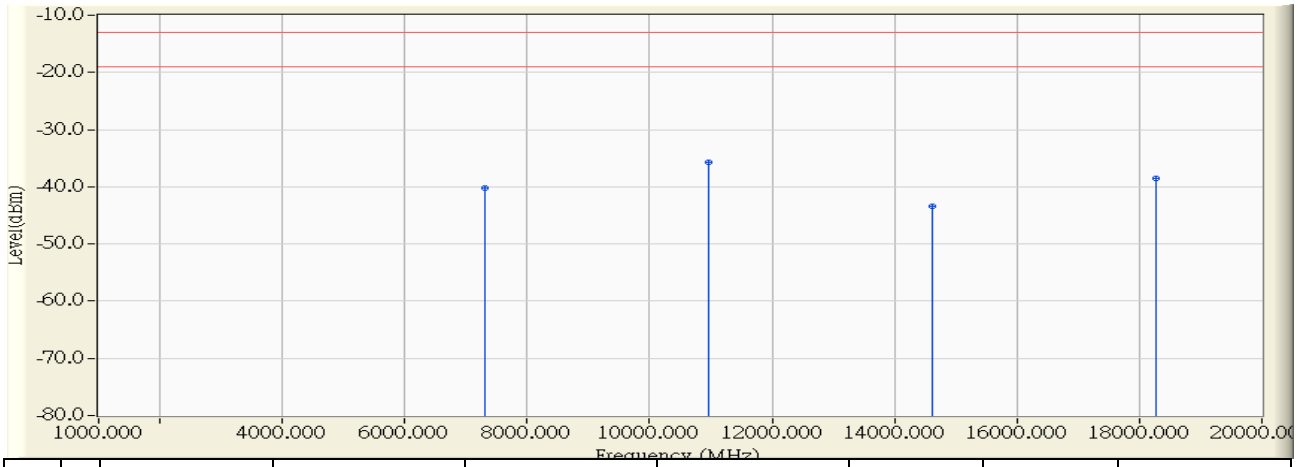



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7308.977 | 20.180 | -60.071 | -39.890 | -26.890 | -13.000 | PEAK |
| 2 | * | 10955.574 | 25.360 | -60.104 | -34.744 | -21.744 | -13.000 | PEAK |
| 3 | | 14619.224 | 28.339 | -69.210 | -40.871 | -27.871 | -13.000 | PEAK |
| 4 | | 18263.451 | 31.900 | -69.335 | -37.435 | -24.435 | -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 : 2012/01/03 - 20:44** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 8: Transmit (7MHz BW_16QAM1/2) 3653.5MHz** |

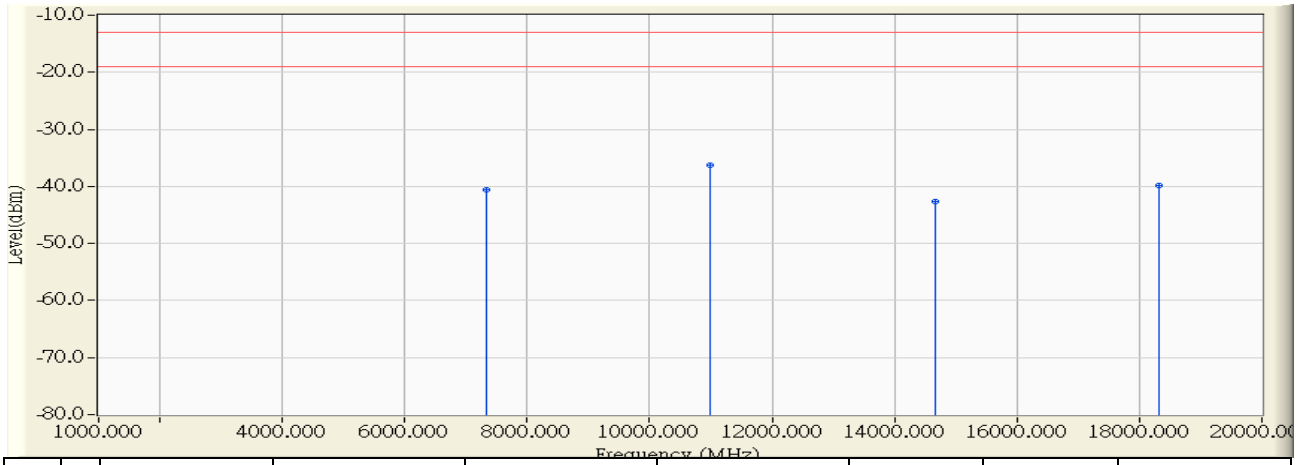



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7308.841 | 19.474 | -59.669 | -40.194 | -27.194 | -13.000 | PEAK |
| 2 | * | 10957.086 | 25.252 | -60.990 | -35.738 | -22.738 | -13.000 | PEAK |
| 3 | | 14613.567 | 27.076 | -70.426 | -43.350 | -30.350 | -13.000 | PEAK |
| 4 | | 18273.803 | 31.300 | -69.753 | -38.453 | -25.453 | -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 : 2012/01/03 - 20:44** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 8: Transmit (7MHz BW_16QAM1/2) 3662.5MHz** |

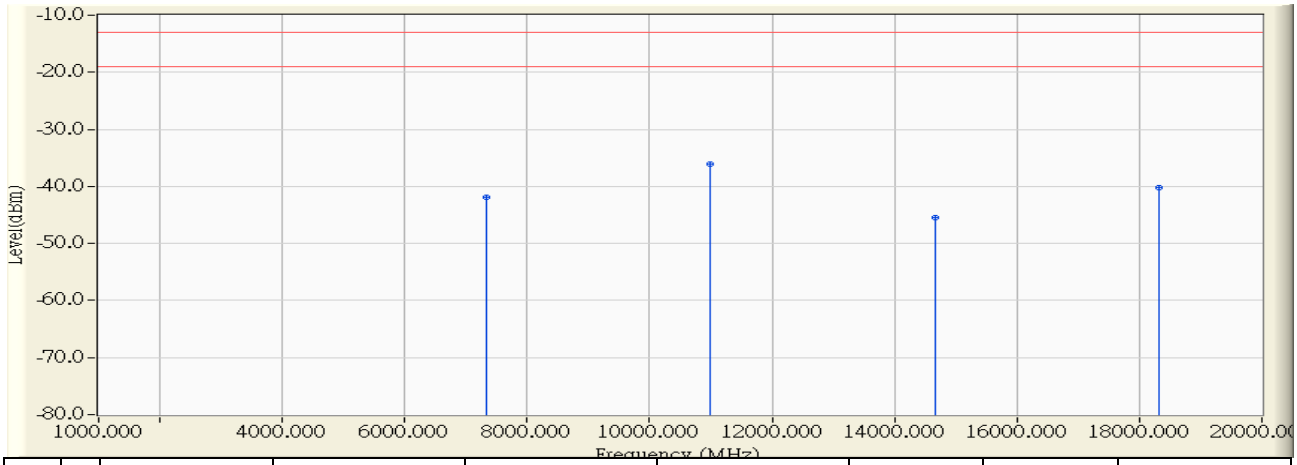



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7323.271 | 20.202 | -60.758 | -40.556 | -27.556 | -13.000 | PEAK |
| 2 | * | 10987.388 | 25.525 | -61.794 | -36.269 | -23.269 | -13.000 | PEAK |
| 3 | | 14654.156 | 28.347 | -71.020 | -42.673 | -29.673 | -13.000 | PEAK |
| 4 | | 18316.936 | 31.900 | -71.801 | -39.901 | -26.901 | -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 : 2012/01/03 - 20:44** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 8: Transmit (7MHz BW_16QAM1/2) 3662.5MHz** |

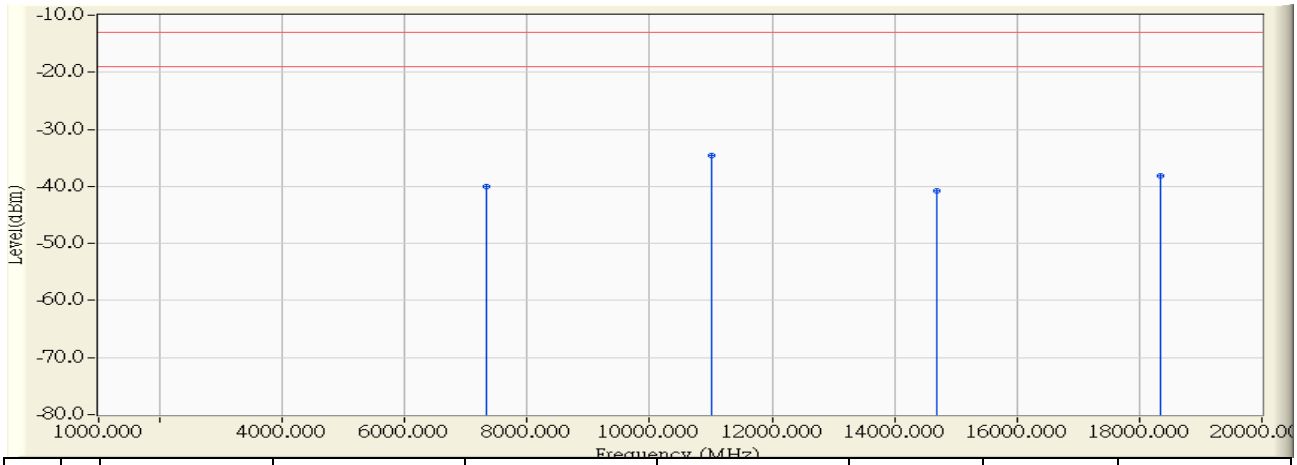



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7322.989 | 19.528 | -61.518 | -41.990 | -28.990 | -13.000 | PEAK |
| 2 | * | 10986.504 | 25.395 | -61.409 | -36.015 | -23.015 | -13.000 | PEAK |
| 3 | | 14653.956 | 27.145 | -72.590 | -45.445 | -32.445 | -13.000 | PEAK |
| 4 | | 18317.678 | 31.300 | -71.430 | -40.130 | -27.130 | -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 : 2012/01/03 - 20:44** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 8: Transmit (7MHz BW_16QAM1/2) 3671.5MHz** |

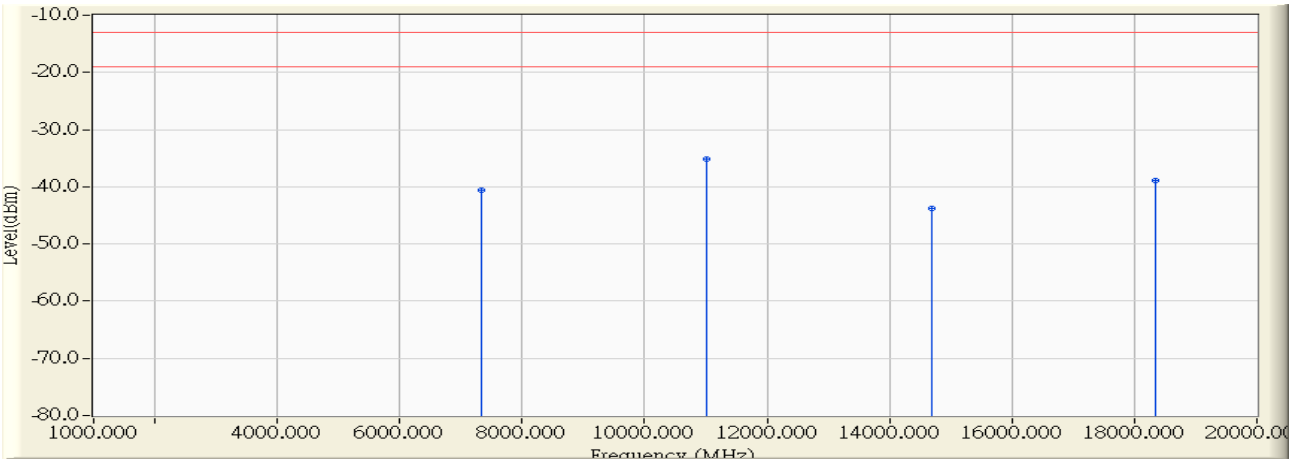



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7340.439 | 20.227 | -60.343 | -40.116 | -27.116 | -13.000 | PEAK |
| 2 | * | 11019.125 | 25.617 | -60.138 | -34.522 | -21.522 | -13.000 | PEAK |
| 3 | | 14687.117 | 28.355 | -69.156 | -40.801 | -27.801 | -13.000 | PEAK |
| 4 | | 18348.393 | 31.900 | -70.056 | -38.156 | -25.156 | -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 : 2012/01/03 - 20:44** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 8: Transmit (7MHz BW_16QAM1/2) 3671.5MHz** |

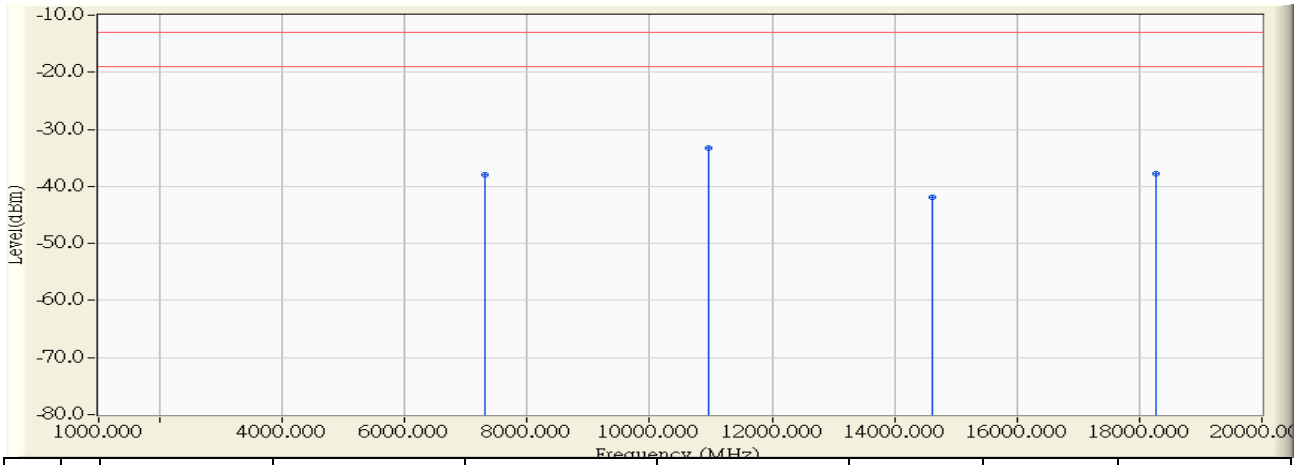



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7343.290 | 19.603 | -60.194 | -40.590 | -27.590 | -13.000 | PEAK |
| 2 | * | 11015.536 | 25.469 | -60.669 | -35.200 | -22.200 | -13.000 | PEAK |
| 3 | | 14678.133 | 27.186 | -71.043 | -43.857 | -30.857 | -13.000 | PEAK |
| 4 | | 18348.934 | 31.300 | -70.244 | -38.944 | -25.944 | -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 : 2012/01/03 - 20:44** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 9: Transmit (7MHz BW_64QAM5/6) 3653.5MHz** |

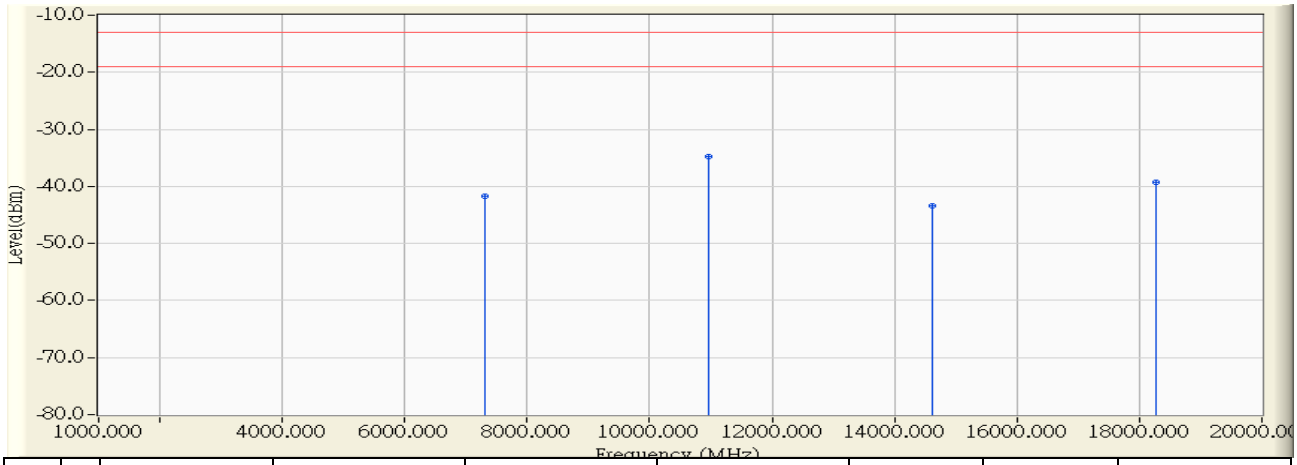



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7305.289 | 20.176 | -58.223 | -38.047 | -25.047 | -13.000 | PEAK |
| 2 | * | 10964.068 | 25.405 | -58.696 | -33.291 | -20.291 | -13.000 | PEAK |
| 3 | | 14609.666 | 28.336 | -70.210 | -41.874 | -28.874 | -13.000 | PEAK |
| 4 | | 18267.242 | 31.900 | -69.619 | -37.719 | -24.719 | -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 : 2012/01/03 - 20:45** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 9: Transmit (7MHz BW_64QAM5/6) 3653.5MHz** |

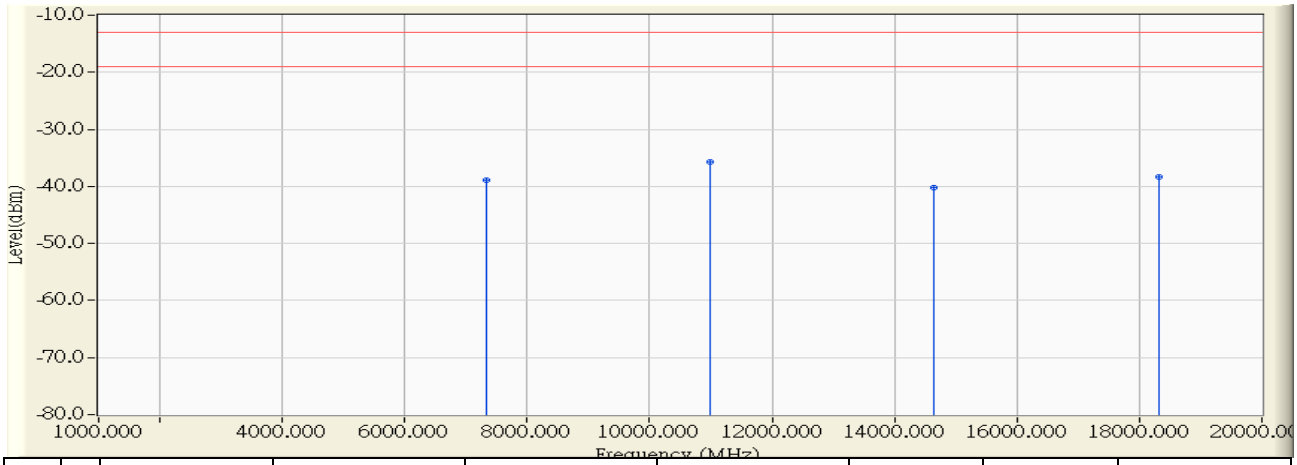



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7305.444 | 19.462 | -61.198 | -41.736 | -28.736 | -13.000 | PEAK |
| 2 | * | 10960.828 | 25.270 | -59.966 | -34.696 | -21.696 | -13.000 | PEAK |
| 3 | | 14620.231 | 27.087 | -70.528 | -43.441 | -30.441 | -13.000 | PEAK |
| 4 | | 18266.383 | 31.300 | -70.498 | -39.198 | -26.198 | -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 : 2012/01/03 - 20:45** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 9: Transmit (7MHz BW_64QAM5/6) 3662.5MHz** |

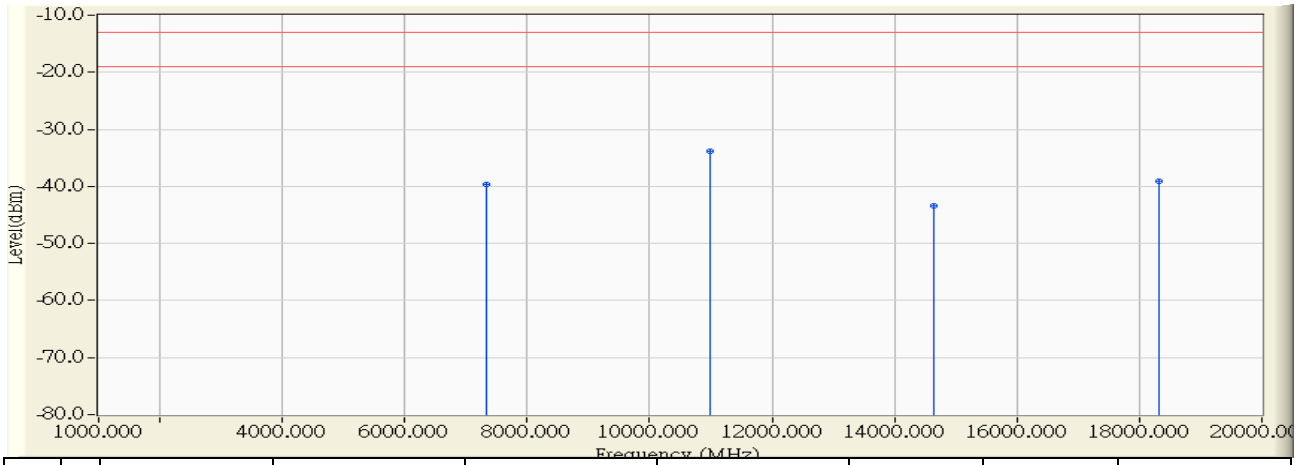



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7324.274 | 20.204 | -59.100 | -38.897 | -25.897 | -13.000 | PEAK |
| 2 | * | 10986.707 | 25.522 | -61.185 | -35.664 | -22.664 | -13.000 | PEAK |
| 3 | | 14648.409 | 28.346 | -68.579 | -40.233 | -27.233 | -13.000 | PEAK |
| 4 | | 18318.854 | 31.900 | -70.145 | -38.245 | -25.245 | -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 : 2012/01/03 - 20:45** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 9: Transmit (7MHz BW_64QAM5/6) 3662.5MHz** |

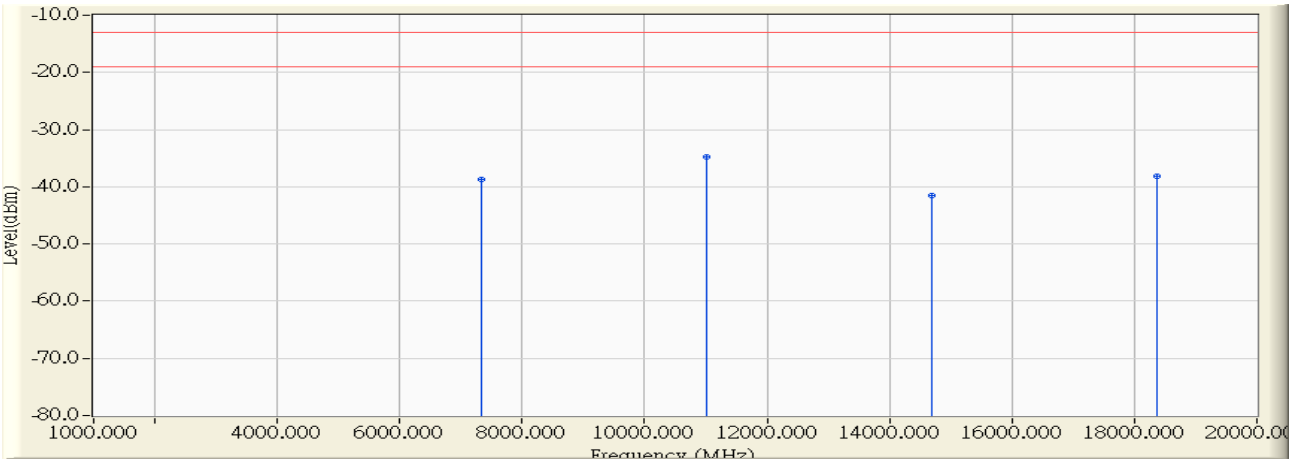



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7324.077 | 19.533 | -59.183 | -39.650 | -26.650 | -13.000 | PEAK |
| 2 | * | 10981.992 | 25.373 | -59.135 | -33.762 | -20.762 | -13.000 | PEAK |
| 3 | | 14644.483 | 27.128 | -70.540 | -43.412 | -30.412 | -13.000 | PEAK |
| 4 | | 18320.352 | 31.300 | -70.433 | -39.133 | -26.133 | -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 : 2012/01/03 - 20:45** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 9: Transmit (7MHz BW_64QAM5/6) 3671.5MHz** |

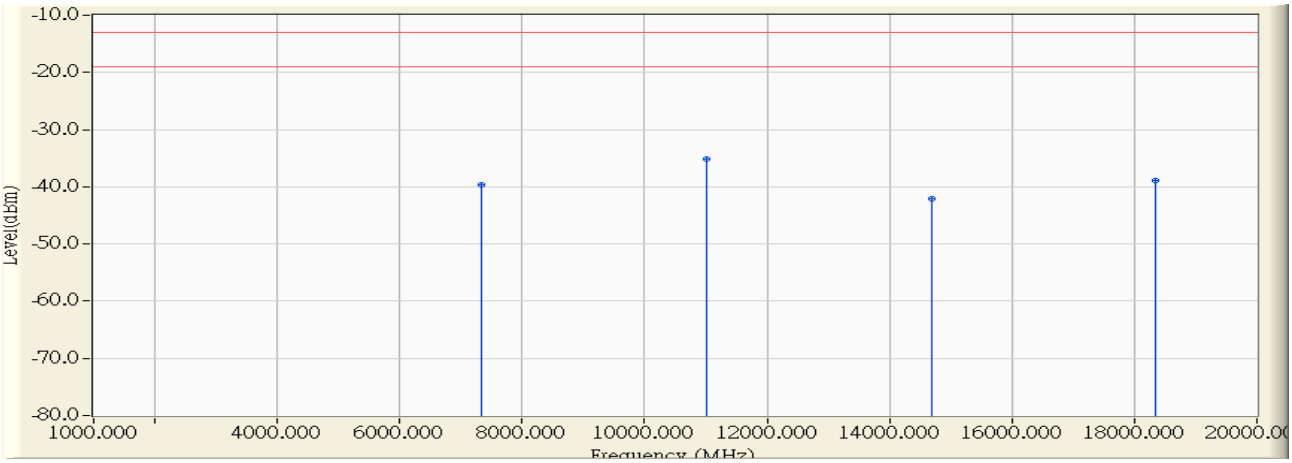



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7343.815 | 20.232 | -58.965 | -38.733 | -25.733 | -13.000 | PEAK |
| 2 | * | 11017.592 | 25.614 | -60.416 | -34.802 | -21.802 | -13.000 | PEAK |
| 3 | | 14693.772 | 28.356 | -69.879 | -41.523 | -28.523 | -13.000 | PEAK |
| 4 | | 18361.262 | 31.900 | -69.995 | -38.095 | -25.095 | -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 : 2012/01/03 - 20:45** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 9: Transmit (7MHz BW_64QAM5/6) 3671.5MHz** |

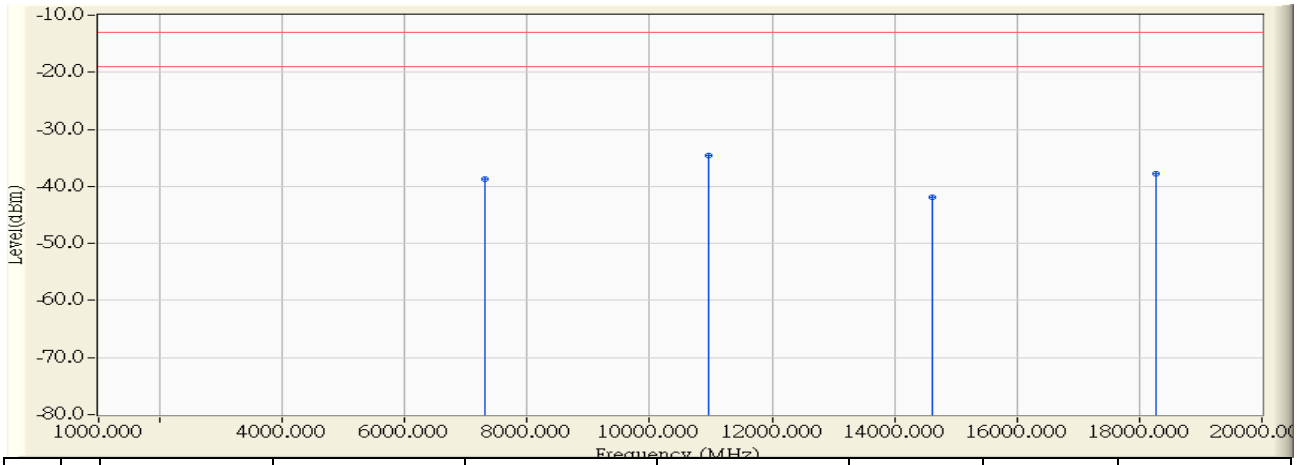



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7341.532 | 19.597 | -59.263 | -39.666 | -26.666 | -13.000 | PEAK |
| 2 | * | 11012.947 | 25.468 | -60.675 | -35.208 | -22.208 | -13.000 | PEAK |
| 3 | | 14695.822 | 27.218 | -69.253 | -42.035 | -29.035 | -13.000 | PEAK |
| 4 | | 18351.934 | 31.300 | -70.249 | -38.949 | -25.949 | -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 : 2012/01/03 - 20:45** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 10: Transmit (10MHz BW_QPSK3/4) 3655MHz** |

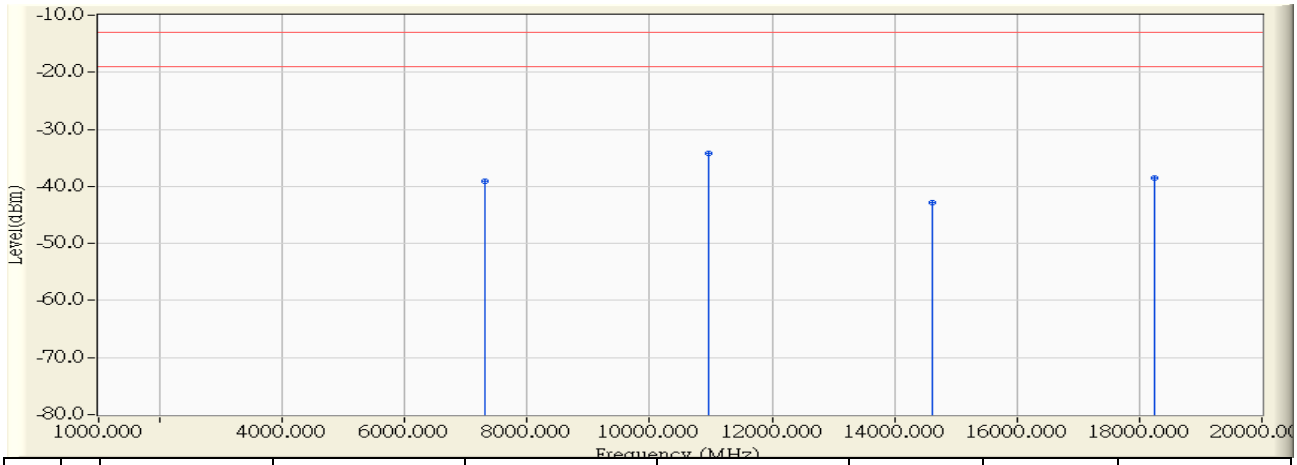



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7310.306 | 20.183 | -58.982 | -38.799 | -25.799 | -13.000 | PEAK |
| 2 | * | 10965.044 | 25.409 | -59.954 | -34.545 | -21.545 | -13.000 | PEAK |
| 3 | | 14622.206 | 28.339 | -70.208 | -41.869 | -28.869 | -13.000 | PEAK |
| 4 | | 18265.078 | 31.900 | -69.746 | -37.846 | -24.846 | -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 : 2012/01/03 - 20:45** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 10: Transmit (10MHz BW_QPSK3/4) 3655MHz** |

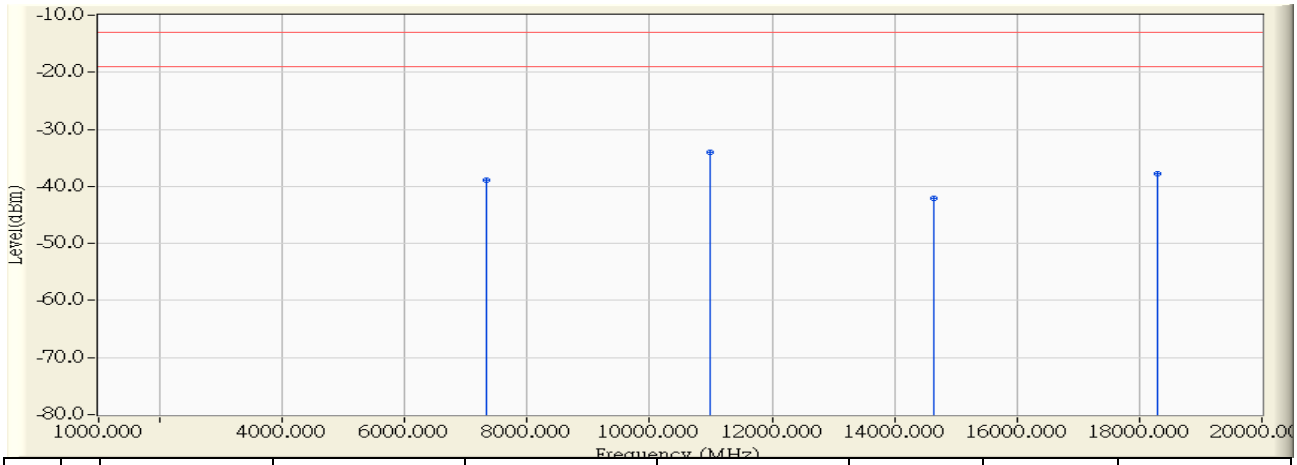



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7310.237 | 19.480 | -58.620 | -39.140 | -26.140 | -13.000 | PEAK |
| 2 | * | 10965.697 | 25.293 | -59.502 | -34.209 | -21.209 | -13.000 | PEAK |
| 3 | | 14610.356 | 27.070 | -69.971 | -42.901 | -29.901 | -13.000 | PEAK |
| 4 | | 18250.434 | 31.300 | -69.911 | -38.611 | -25.611 | -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 : 2012/01/03 - 20:45** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 10: Transmit (10MHz BW_QPSK3/4) 3662.5MHz** |

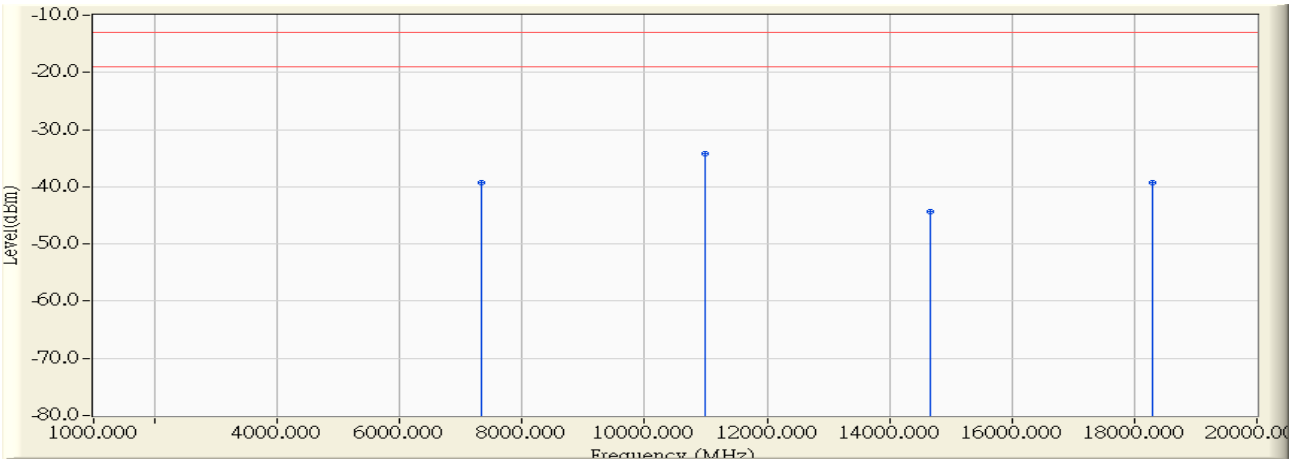



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7324.793 | 20.204 | -59.049 | -38.845 | -25.845 | -13.000 | PEAK |
| 2 | * | 10982.997 | 25.502 | -59.513 | -34.011 | -21.011 | -13.000 | PEAK |
| 3 | | 14653.106 | 28.347 | -70.412 | -42.065 | -29.065 | -13.000 | PEAK |
| 4 | | 18305.232 | 31.900 | -69.619 | -37.719 | -24.719 | -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 : 2012/01/03 - 20:45** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 10: Transmit (10MHz BW_QPSK3/4) 3662.5MHz** |

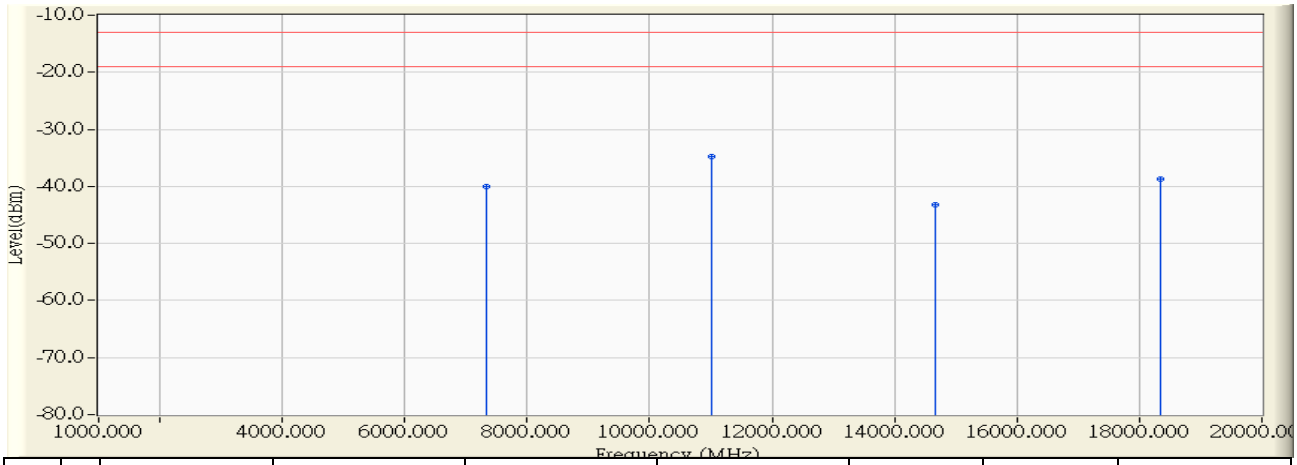



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7325.290 | 19.536 | -58.791 | -39.254 | -26.254 | -13.000 | PEAK |
| 2 | * | 10986.680 | 25.396 | -59.550 | -34.155 | -21.155 | -13.000 | PEAK |
| 3 | | 14654.970 | 27.147 | -71.426 | -44.279 | -31.279 | -13.000 | PEAK |
| 4 | | 18288.025 | 31.300 | -70.652 | -39.352 | -26.352 | -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 : 2012/01/03 - 20:45** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 10: Transmit (10MHz BW_QPSK3/4) 3670MHz** |

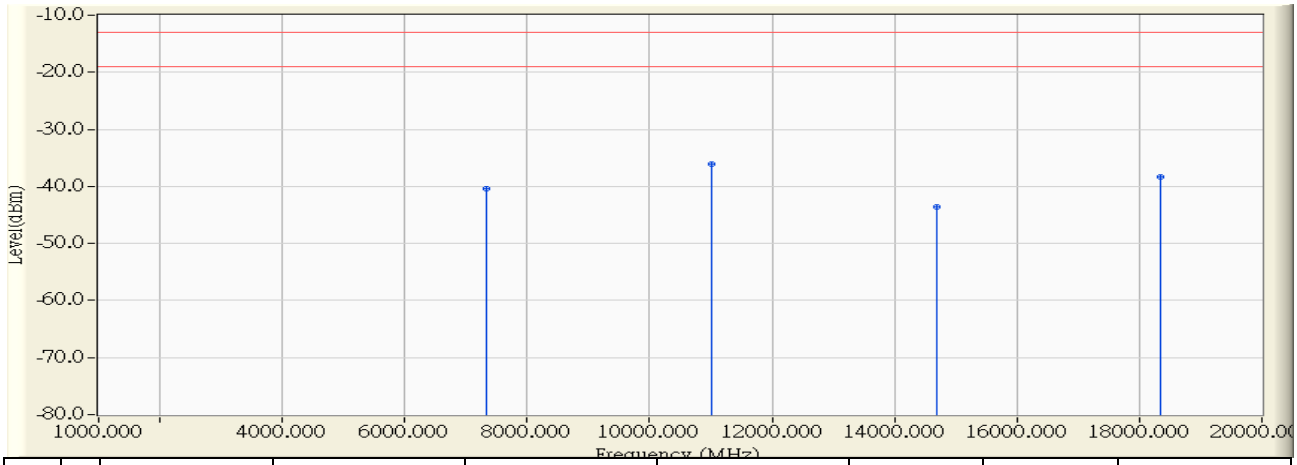



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7339.932 | 20.226 | -60.238 | -40.012 | -27.012 | -13.000 | PEAK |
| 2 | * | 11012.931 | 25.608 | -60.337 | -34.729 | -21.729 | -13.000 | PEAK |
| 3 | | 14671.782 | 28.351 | -71.544 | -43.193 | -30.193 | -13.000 | PEAK |
| 4 | | 18334.826 | 31.900 | -70.536 | -38.636 | -25.636 | -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 : 2012/01/03 - 20:45** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 10: Transmit (10MHz BW_QPSK3/4) 3670MHz** |

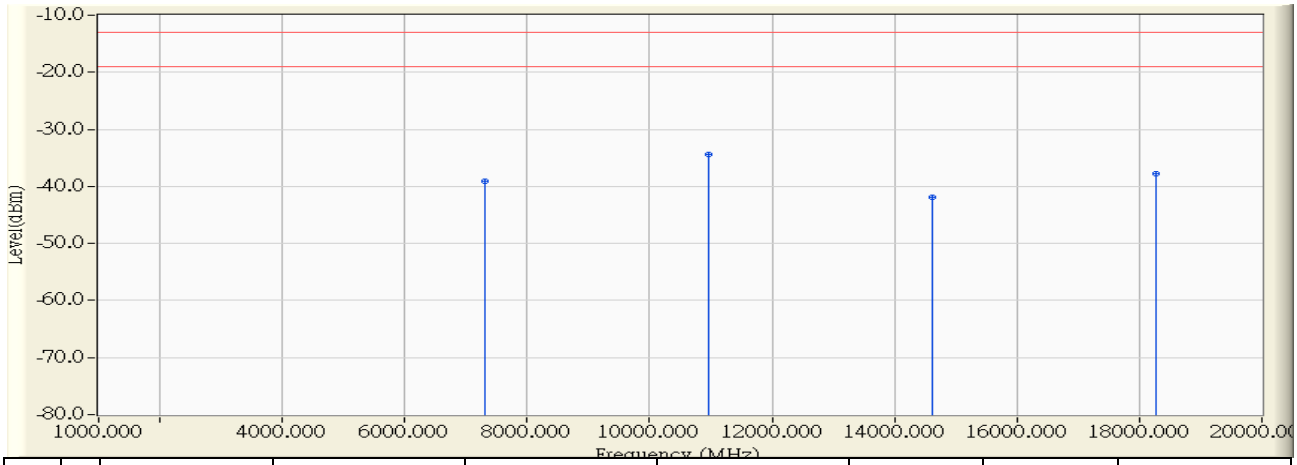



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7338.611 | 19.587 | -60.056 | -40.470 | -27.470 | -13.000 | PEAK |
| 2 | * | 11010.952 | 25.464 | -61.477 | -36.013 | -23.013 | -13.000 | PEAK |
| 3 | | 14684.602 | 27.198 | -70.829 | -43.631 | -30.631 | -13.000 | PEAK |
| 4 | | 18340.061 | 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 : 2012/01/03 - 20:45** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 11: Transmit (10MHz BW_16QAM1/2) 3655MHz** |

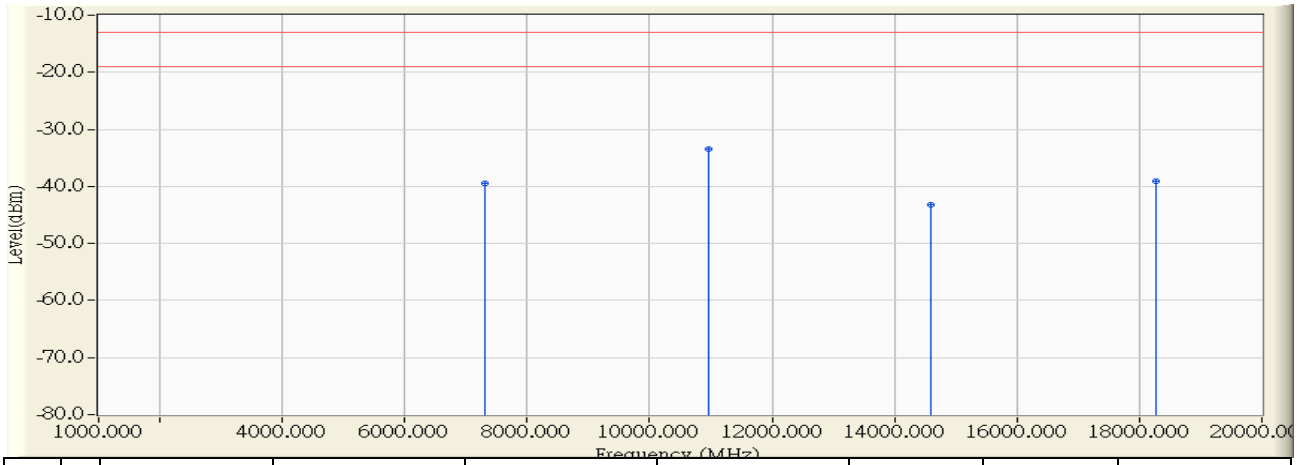



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7310.253 | 20.183 | -59.307 | -39.124 | -26.124 | -13.000 | PEAK |
| 2 | * | 10972.768 | 25.449 | -59.838 | -34.389 | -21.389 | -13.000 | PEAK |
| 3 | | 14613.244 | 28.338 | -70.159 | -41.821 | -28.821 | -13.000 | PEAK |
| 4 | | 18269.912 | 31.900 | -69.760 | -37.860 | -24.860 | -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 : 2012/01/03 - 20:45** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 11: Transmit (10MHz BW_16QAM1/2) 3655MHz** |

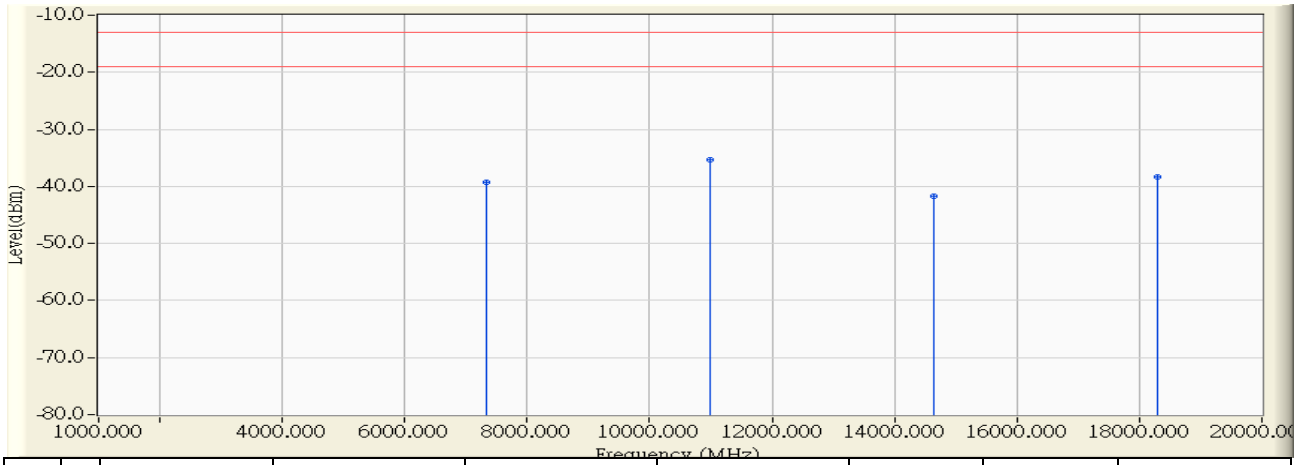



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7309.772 | 19.479 | -58.971 | -39.492 | -26.492 | -13.000 | PEAK |
| 2 | * | 10962.569 | 25.278 | -58.737 | -33.459 | -20.459 | -13.000 | PEAK |
| 3 | | 14597.458 | 27.048 | -70.173 | -43.125 | -30.125 | -13.000 | PEAK |
| 4 | | 18278.799 | 31.300 | -70.370 | -39.070 | -26.070 | -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 : 2012/01/03 - 20:45** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 11: Transmit (10MHz BW_16QAM1/2) 3662.5MHz** |

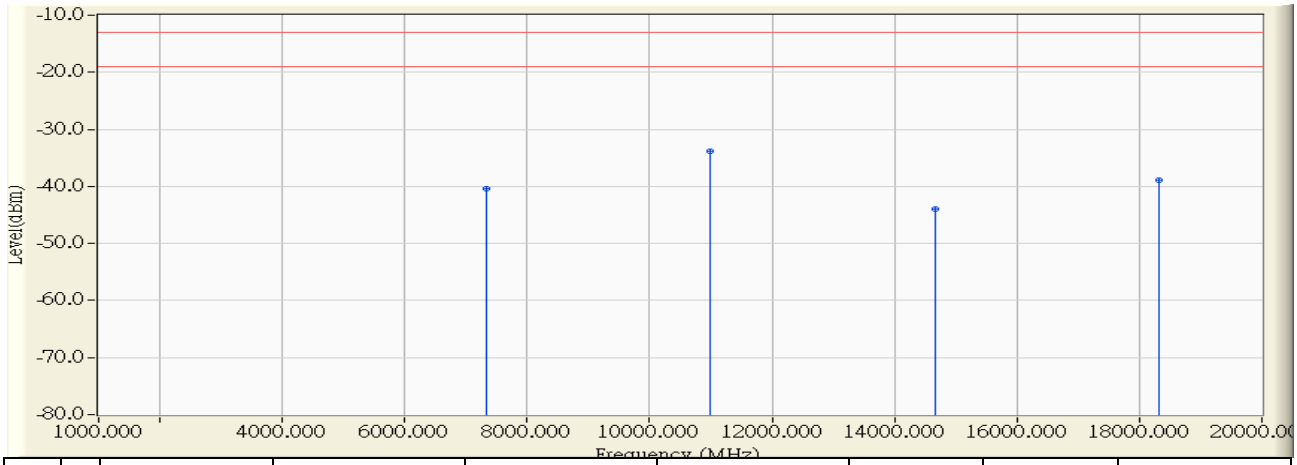



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7326.702 | 20.207 | -59.557 | -39.350 | -26.350 | -13.000 | PEAK |
| 2 | * | 10989.634 | 25.537 | -60.851 | -35.315 | -22.315 | -13.000 | PEAK |
| 3 | | 14649.259 | 28.346 | -70.017 | -41.671 | -28.671 | -13.000 | PEAK |
| 4 | | 18301.568 | 31.900 | -70.246 | -38.346 | -25.346 | -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 : 2012/01/03 - 20:45** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 11: Transmit (10MHz BW_16QAM1/2) 3662.5MHz** |

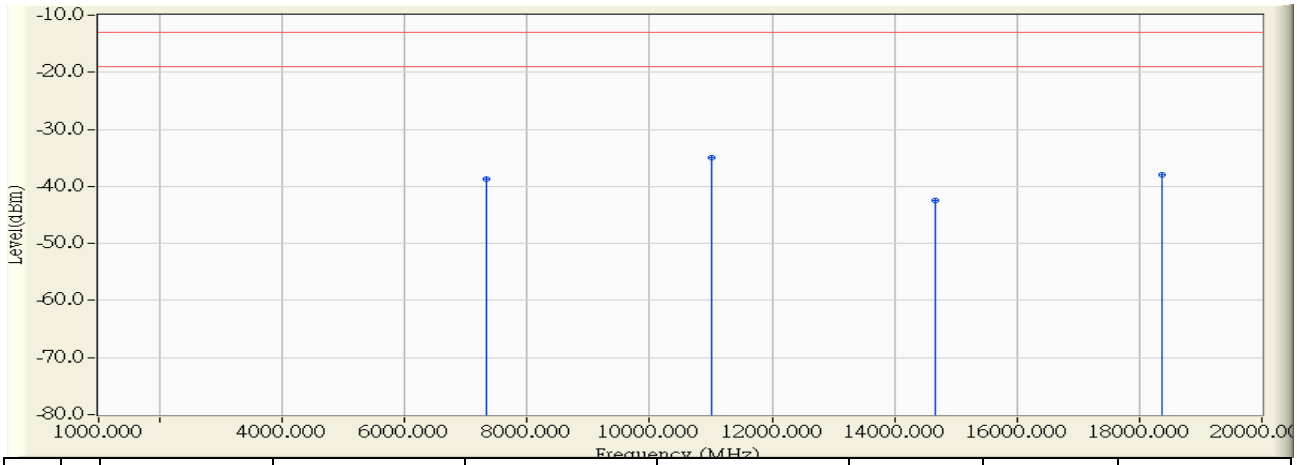



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7326.767 | 19.543 | -59.893 | -40.350 | -27.350 | -13.000 | PEAK |
| 2 | * | 10988.614 | 25.404 | -59.269 | -33.865 | -20.865 | -13.000 | PEAK |
| 3 | | 14662.879 | 27.161 | -71.047 | -43.886 | -30.886 | -13.000 | PEAK |
| 4 | | 18327.977 | 31.300 | -70.235 | -38.935 | -25.935 | -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 : 2012/01/03 - 20:45** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 11: Transmit (10MHz BW_16QAM1/2) 3670MHz** |

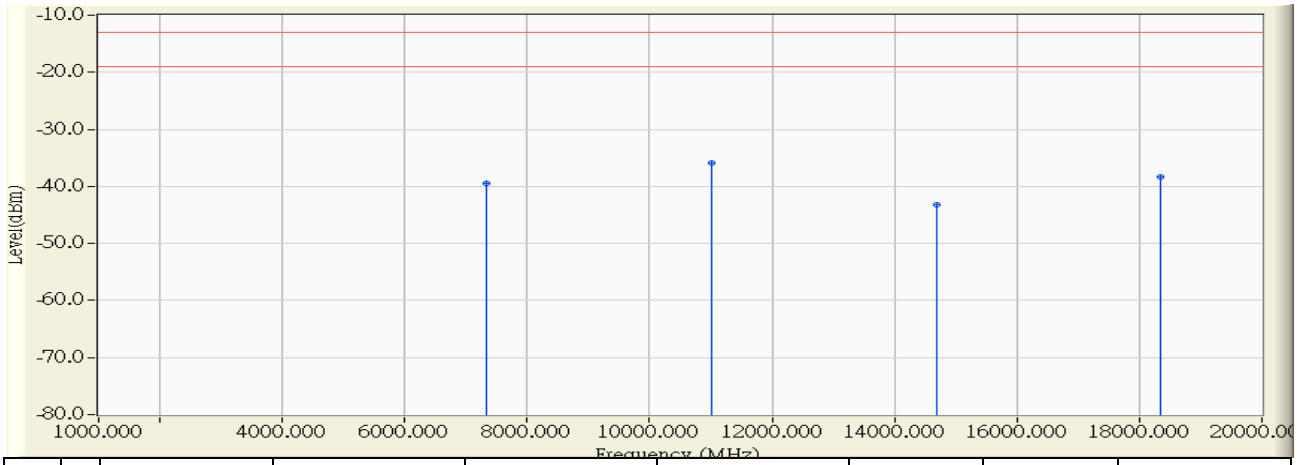



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7343.095 | 20.230 | -59.035 | -38.804 | -25.804 | -13.000 | PEAK |
| 2 | * | 11010.863 | 25.603 | -60.611 | -35.008 | -22.008 | -13.000 | PEAK |
| 3 | | 14675.979 | 28.353 | -70.873 | -42.520 | -29.520 | -13.000 | PEAK |
| 4 | | 18355.799 | 31.900 | -69.889 | -37.989 | -24.989 | -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 : 2012/01/03 - 20:45** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 11: Transmit (10MHz BW_16QAM1/2) 3670MHz** |

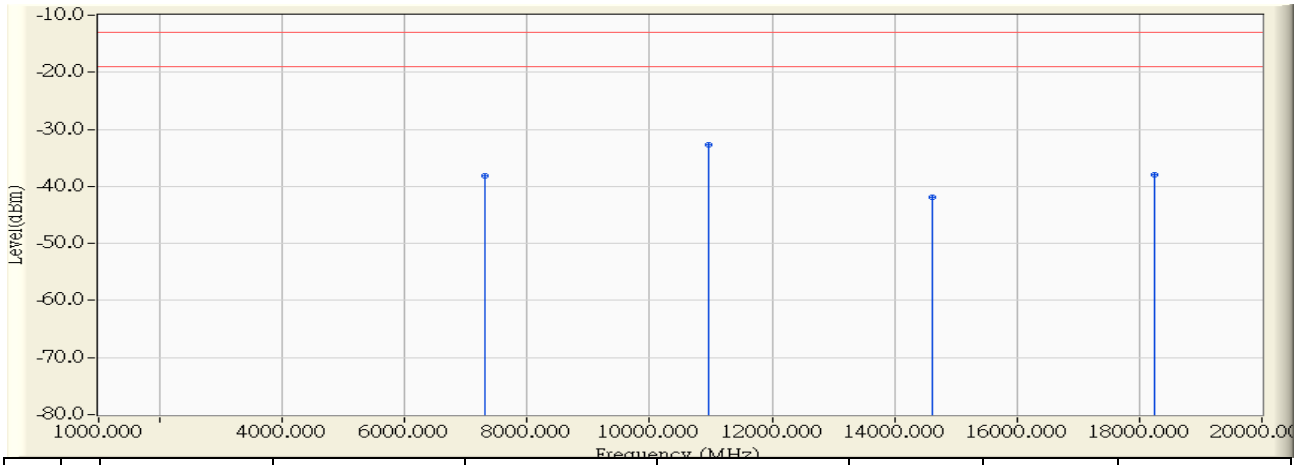



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7336.222 | 19.578 | -59.068 | -39.491 | -26.491 | -13.000 | PEAK |
| 2 | * | 11013.785 | 25.469 | -61.417 | -35.949 | -22.949 | -13.000 | PEAK |
| 3 | | 14686.352 | 27.200 | -70.469 | -43.269 | -30.269 | -13.000 | PEAK |
| 4 | | 18347.963 | 31.300 | -69.569 | -38.269 | -25.269 | -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 : 2012/01/03 - 20:45** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 12: Transmit (10MHz BW_64QAM5/6) 3655MHz** |

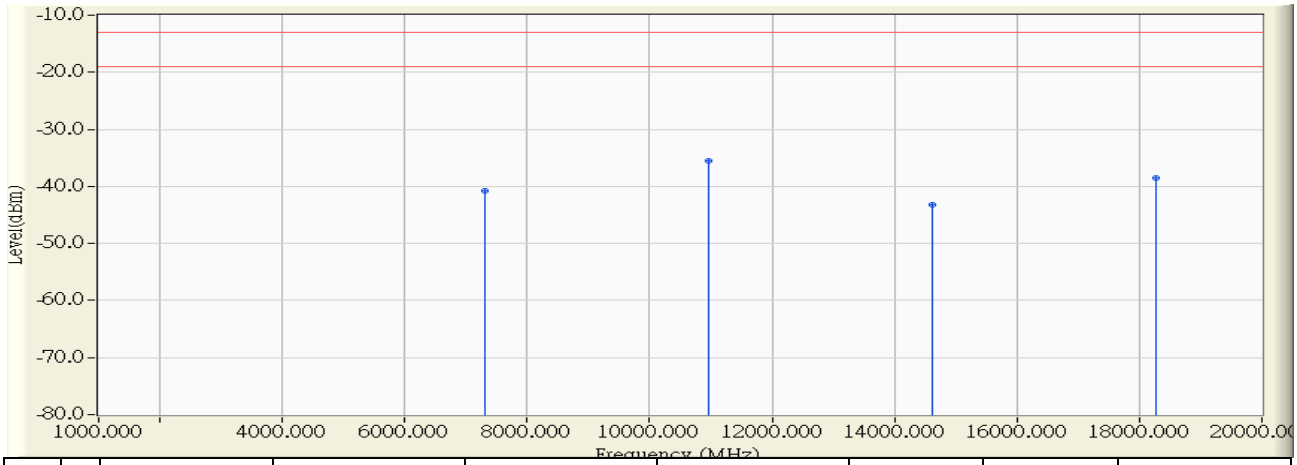



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7310.061 | 20.183 | -58.403 | -38.220 | -25.220 | -13.000 | PEAK |
| 2 | * | 10970.768 | 25.438 | -58.143 | -32.704 | -19.704 | -13.000 | PEAK |
| 3 | | 14607.208 | 28.336 | -70.161 | -41.825 | -28.825 | -13.000 | PEAK |
| 4 | | 18256.996 | 31.900 | -69.820 | -37.920 | -24.920 | -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 : 2012/01/03 - 20:45** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 12: Transmit (10MHz BW_64QAM5/6) 3655MHz** |

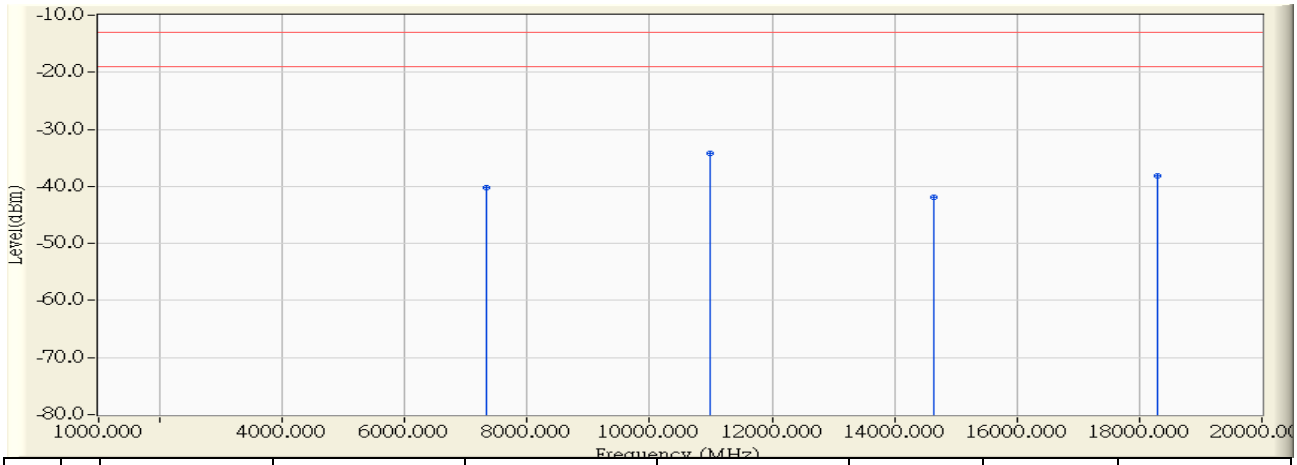



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7307.133 | 19.469 | -60.160 | -40.691 | -27.691 | -13.000 | PEAK |
| 2 | * | 10966.692 | 25.299 | -60.852 | -35.554 | -22.554 | -13.000 | PEAK |
| 3 | | 14610.727 | 27.071 | -70.297 | -43.226 | -30.226 | -13.000 | PEAK |
| 4 | | 18264.662 | 31.300 | -69.777 | -38.477 | -25.477 | -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 : 2012/01/03 - 20:45** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 12: Transmit (10MHz BW_64QAM5/6) 3662.5MHz** |

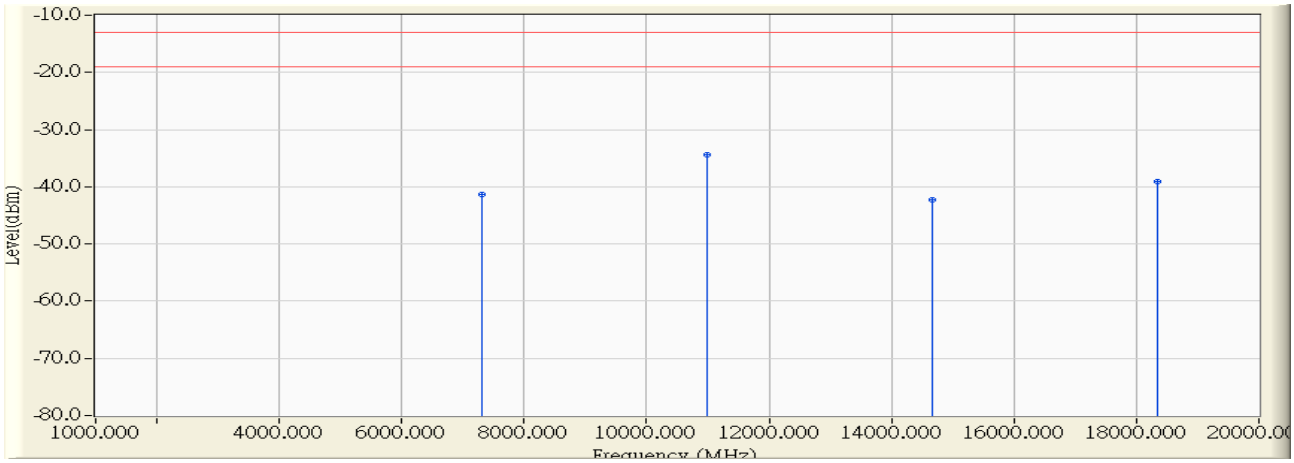



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7325.899 | 20.206 | -60.344 | -40.139 | -27.139 | -13.000 | PEAK |
| 2 | * | 10984.236 | 25.509 | -59.769 | -34.261 | -21.261 | -13.000 | PEAK |
| 3 | | 14631.576 | 28.341 | -70.240 | -41.899 | -28.899 | -13.000 | PEAK |
| 4 | | 18306.570 | 31.900 | -70.046 | -38.146 | -25.146 | -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 : 2012/01/03 - 20:45** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 12: Transmit (10MHz BW_64QAM5/6) 3662.5MHz** |

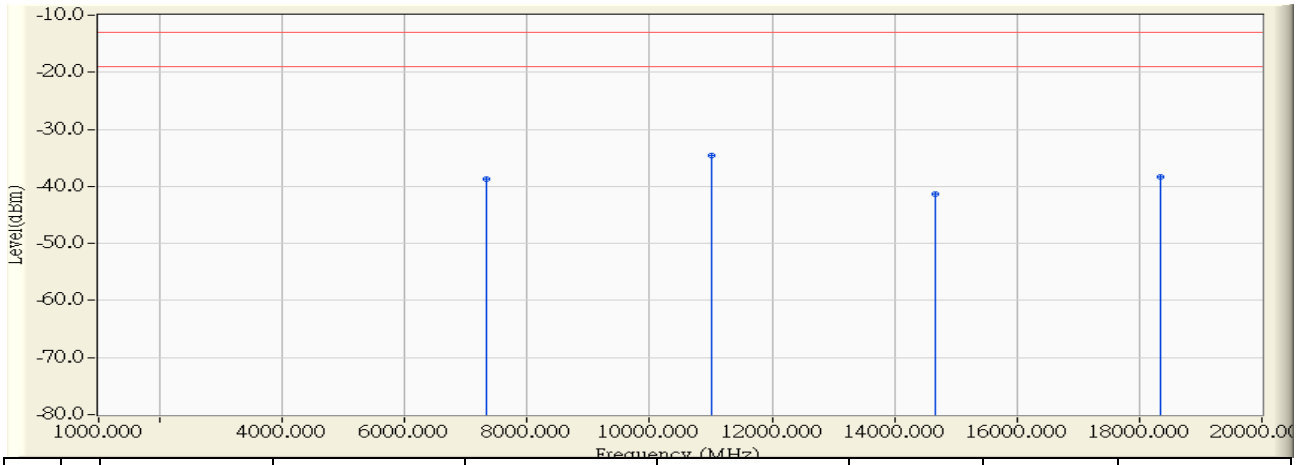



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7320.854 | 19.521 | -60.885 | -41.364 | -28.364 | -13.000 | PEAK |
| 2 | * | 10986.812 | 25.396 | -59.830 | -34.434 | -21.434 | -13.000 | PEAK |
| 3 | | 14669.410 | 27.171 | -69.481 | -42.310 | -29.310 | -13.000 | PEAK |
| 4 | | 18334.670 | 31.300 | -70.411 | -39.111 | -26.111 | -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 : 2012/01/03 - 20:45** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 12: Transmit (10MHz BW_64QAM5/6) 3670MHz** |

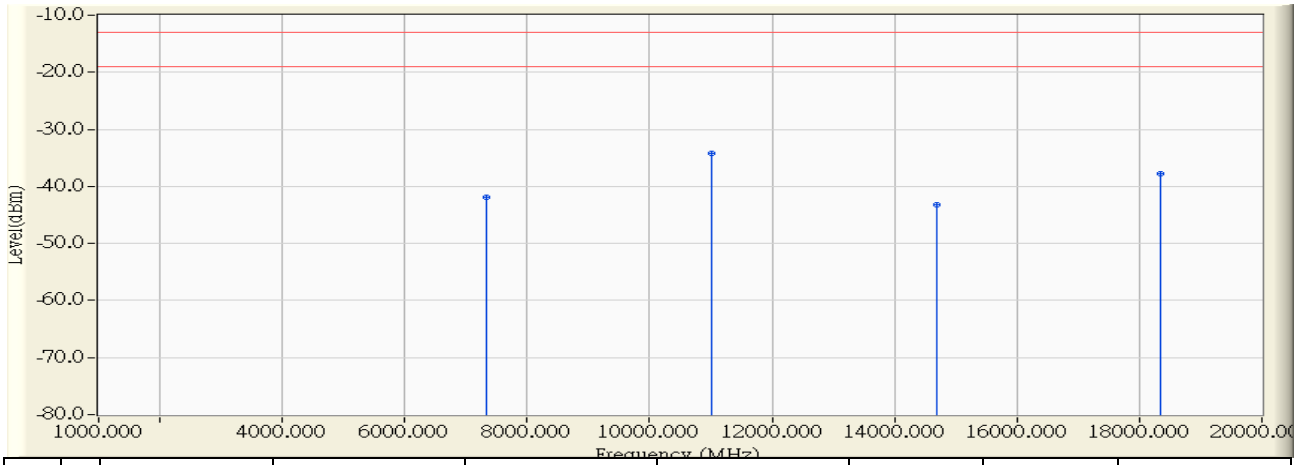



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7340.839 | 20.228 | -58.949 | -38.721 | -25.721 | -13.000 | PEAK |
| 2 | * | 11009.354 | 25.600 | -60.115 | -34.515 | -21.515 | -13.000 | PEAK |
| 3 | | 14675.901 | 28.353 | -69.777 | -41.424 | -28.424 | -13.000 | PEAK |
| 4 | | 18340.775 | 31.900 | -70.198 | -38.298 | -25.298 | -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 : 2012/01/03 - 20:45** |
| **Limit : PART27(WiMAX)_00M_PK** | **Margin : 6** |
| **Probe : CB1_CE_Sub_1-18G(2011-08) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : CBS 3.65GHz** | **Note : Mode 12: Transmit (10MHz BW_64QAM5/6) 3670MHz** |




| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm) | Margin (dB) | Limit (dBm) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 7335.815 | 19.577 | -61.509 | -41.932 | -28.932 | -13.000 | PEAK |
| 2 | * | 11001.494 | 25.450 | -59.612 | -34.162 | -21.162 | -13.000 | PEAK |
| 3 | | 14685.736 | 27.200 | -70.409 | -43.209 | -30.209 | -13.000 | PEAK |
| 4 | | 18332.498 | 31.300 | -69.114 | -37.814 | -24.814 | -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

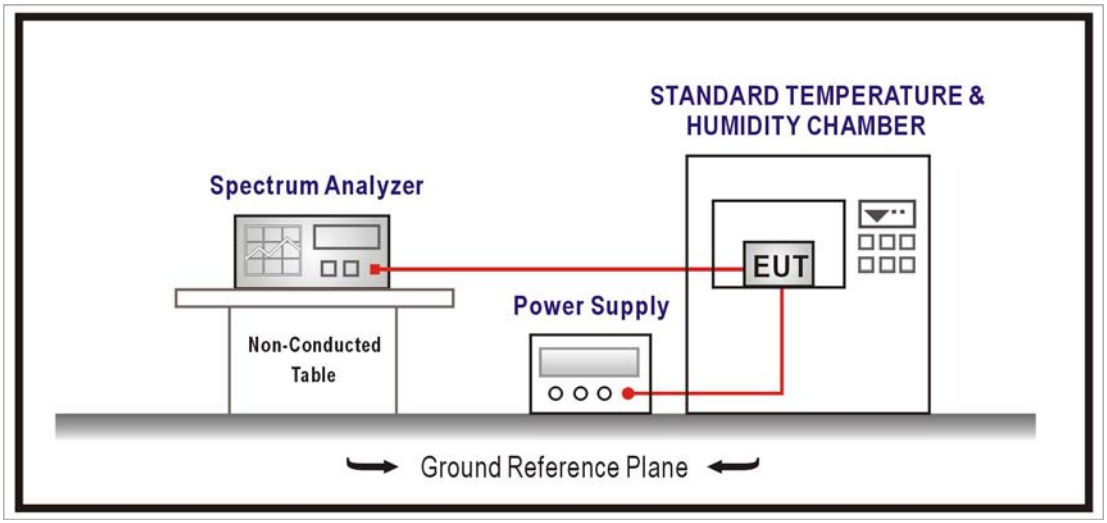
The following test equipments are used during the test:

**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 | CBS 3.65GHz | | |
|---|---|---|---|
| Test Item | Frequency Stability Over Temperatures Variation | | |
| Test Mode | Carrier Signal_3.5MHz_Ant 0 | | |
| Date of Test | 2012/01/03 | Test Site | SR7 |

**Centre Frequency: 3651.75 MHz**

| Temperature Interval (°C) | AC Voltage (V) | Frequency (MHz) | Deviation (ppm) | Result |
|---|---|---|---|---|
| -30 | 120 | 3651.7450 | -1.3692 | Pass |
| -20 | | 3651.7450 | -1.3692 | Pass |
| -10 | | 3651.7450 | -1.3692 | Pass |
| 0 | | 3651.7450 | -1.3692 | Pass |
| 20 | | 3651.7440 | -1.6430 | Pass |
| 30 | | 3651.7450 | -1.3692 | Pass |
| 40 | | 3651.7450 | -1.3692 | Pass |
| 50 | | 3651.7450 | -1.3692 | 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: 3673.25 MHz**

| Temperature Interval (°C) | AC Voltage (V) | Frequency (MHz) | Deviation (ppm) | Result |
|---|---|---|---|---|
| -30 | 120 | 3673.2450 | -1.3612 | Pass |
| -20 | | 3673.2450 | -1.3612 | Pass |
| -10 | | 3673.2450 | -1.3612 | Pass |
| 0 | | 3673.2450 | -1.3612 | Pass |
| 20 | | 3673.2450 | -1.3612 | Pass |
| 30 | | 3673.2450 | -1.3612 | Pass |
| 40 | | 3673.2450 | -1.3612 | Pass |
| 50 | | 3673.2450 | -1.3612 | Pass |

| Product | CBS 3.65GHz | | |
|---|---|---|---|
| Test Item | Frequency Stability Over Temperatures Variation | | |
| Test Mode | Carrier Signal_3.5MHz_Ant 1 | | |
| Date of Test | 2012/01/03 | Test Site | SR7 |

**Centre Frequency: 3651.75 MHz**

| Temperature Interval (°C) | AC Voltage (V) | Frequency (MHz) | Deviation (ppm) | Result |
|---|---|---|---|---|
| -30 | 120 | 3651.7450 | -1.3692 | Pass |
| -20 | | 3651.7450 | -1.3692 | Pass |
| -10 | | 3651.7450 | -1.3692 | Pass |
| 0 | | 3651.7500 | 0.0000 | Pass |
| 20 | | 3651.7440 | -1.6430 | Pass |
| 30 | | 3651.7450 | -1.3692 | Pass |
| 40 | | 3651.7450 | -1.3692 | Pass |
| 50 | | 3651.7450 | -1.3692 | Pass |

**Centre Frequency: 3662.5 MHz**

| Temperature Interval (°C) | AC Voltage (V) | Frequency (MHz) | Deviation (ppm) | Result |
|---|---|---|---|---|
| -30 | 120 | 3662.5000 | 0.0000 | Pass |
| -20 | | 3662.5000 | 0.0000 | Pass |
| -10 | | 3662.5000 | 0.0000 | 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: 3673.25 MHz**

| Temperature Interval (°C) | AC Voltage (V) | Frequency (MHz) | Deviation (ppm) | Result |
|---|---|---|---|---|
| -30 | 120 | 3673.2450 | -1.3612 | Pass |
| -20 | | 3673.2400 | -2.7224 | Pass |
| -10 | | 3673.2500 | 0.0000 | Pass |
| 0 | | 3673.2500 | 0.0000 | Pass |
| 20 | | 3673.2450 | -1.3612 | Pass |
| 30 | | 3673.2450 | -1.3612 | Pass |
| 40 | | 3673.2450 | -1.3612 | Pass |
| 50 | | 3673.2450 | -1.3612 | Pass |

| Product | CBS 3.65GHz | | |
|---|---|---|---|
| Test Item | Frequency Stability Over Temperatures Variation | | |
| Test Mode | Carrier Signal_5MHz_Ant 0 | | |
| Date of Test | 2012/02/03 | 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 | CBS 3.65GHz | | |
|---|---|---|---|
| Test Item | Frequency Stability Over Temperatures Variation | | |
| Test Mode | Carrier Signal_5MHz_Ant 1 | | |
| Date of Test | 2012/02/03 | 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 | | 3652.5000 | 0.0000 | Pass |
| 30 | | 3652.5000 | 0.0000 | 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 | | 3662.4900 | -2.7304 | Pass |
| 0 | | 3662.4950 | -1.3652 | Pass |
| 20 | | 3662.4900 | -2.7304 | Pass |
| 30 | | 3662.4950 | -1.3652 | Pass |
| 40 | | 3662.4950 | -1.3652 | Pass |
| 50 | | 3662.4900 | -2.7304 | 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 | CBS 3.65GHz | | |
|---|---|---|---|
| Test Item | Frequency Stability Over Temperatures Variation | | |
| Test Mode | Carrier Signal_7MHz_Ant 0 | | |
| Date of Test | 2012/02/03 | 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 | CBS 3.65GHz | | |
|---|---|---|---|
| Test Item | Frequency Stability Over Temperatures Variation | | |
| Test Mode | Carrier Signal_7MHz_Ant 1 | | |
| Date of Test | 2012/02/03 | 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 | | 3653.5000 | 0.0000 | 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 | | 3653.4900 | -2.7371 | 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 | CBS 3.65GHz | | |
|---|---|---|---|
| Test Item | Frequency Stability Over Temperatures Variation | | |
| Test Mode | Carrier Signal_10MHz_Ant 0 | | |
| Date of Test | 2012/02/03 | 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 | | 3654.9950 | -1.3680 | 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: 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 | | 3669.9950 | -1.3624 | 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 |

| Product | CBS 3.65GHz | | |
|---|---|---|---|
| Test Item | Frequency Stability Over Temperatures Variation | | |
| Test Mode | Carrier Signal_10MHz_Ant 1 | | |
| Date of Test | 2012/02/03 | 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 | | 3654.9900 | -2.7360 | Pass |
| 50 | | 3654.9950 | -1.3680 | 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: 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 | | 3669.9950 | -1.3624 | 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

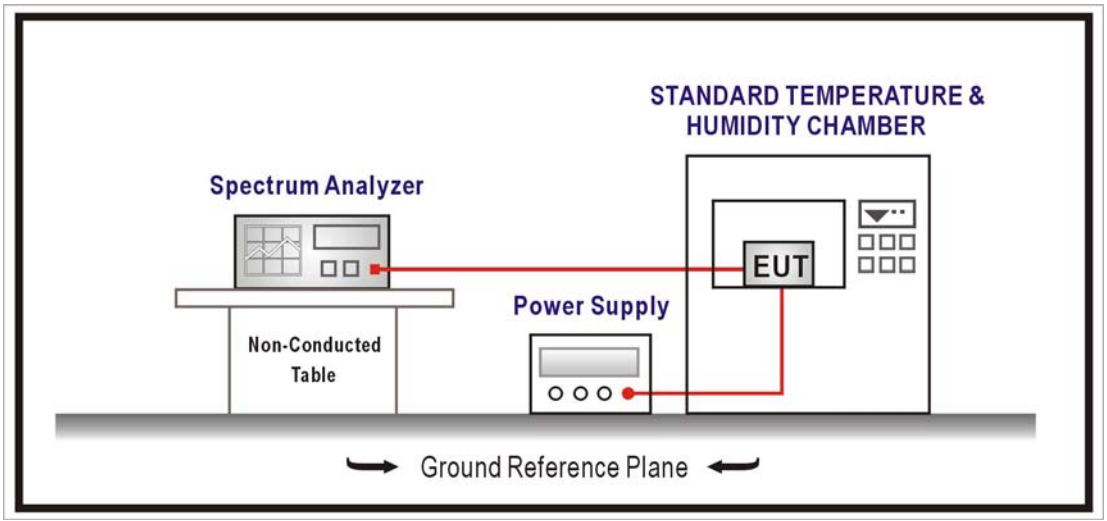
The following test equipments are used during the test:

**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 | CBS 3.65GHz | | |
|---|---|---|---|
| Test Item | Frequency Stability Over Voltage Variation | | |
| Test Mode | Carrier Signal_3.5MHz_Ant 0 | | |
| Date of Test | 2012/01/03 | Test Site | SR7 |

**Centre Frequency: 3651.75 MHz**

| Temperature Interval (°C) | AC Voltage (V) | Frequency (MHz) | Deviation (ppm) | Result |
|---|---|---|---|---|
| 25 | 102 | 3651.7450 | -1.3692 | Pass |
| | 120 | 3651.7450 | -1.3692 | Pass |
| | 138 | 3651.7450 | -1.3692 | Pass |

**Centre Frequency: 3662.5 MHz**

| Temperature Interval (°C) | AC Voltage (V) | Frequency (MHz) | Deviation (ppm) | Result |
|---|---|---|---|---|
| 25 | 102 | 3662.4950 | -1.3652 | Pass |
| | 120 | 3662.4950 | -1.3652 | Pass |
| | 138 | 3662.4950 | -1.3652 | Pass |

**Centre Frequency: 3673.25 MHz**

| Temperature Interval (°C) | AC Voltage (V) | Frequency (MHz) | Deviation (ppm) | Result |
|---|---|---|---|---|
| 25 | 102 | 3673.2450 | -1.3612 | Pass |
| | 120 | 3673.2450 | -1.3612 | Pass |
| | 138 | 3673.2450 | -1.3612 | Pass |

| Product | CBS 3.65GHz | | |
|---|---|---|---|
| Test Item | Frequency Stability Over Voltage Variation | | |
| Test Mode | Carrier Signal_3.5MHz_Ant 1 | | |
| Date of Test | 2012/01/03 | Test Site | SR7 |

**Centre Frequency: 3651.75 MHz**

| Temperature Interval (°C) | AC Voltage (V) | Frequency (MHz) | Deviation (ppm) | Result |
|---|---|---|---|---|
| 25 | 102 | 3651.7440 | -1.6430 | Pass |
| | 120 | 3651.7450 | -1.3692 | Pass |
| | 138 | 3651.7450 | -1.3692 | Pass |

**Centre Frequency: 3662.5 MHz**

| Temperature Interval (°C) | AC Voltage (V) | Frequency (MHz) | Deviation (ppm) | Result |
|---|---|---|---|---|
| 25 | 102 | 3662.5000 | 0.0000 | Pass |
| | 120 | 3662.5000 | 0.0000 | Pass |
| | 138 | 3662.5000 | 0.0000 | Pass |

**Centre Frequency: 3673.25 MHz**

| Temperature Interval (°C) | AC Voltage (V) | Frequency (MHz) | Deviation (ppm) | Result |
|---|---|---|---|---|
| 25 | 102 | 3673.2500 | 0.0000 | Pass |
| | 120 | 3673.2500 | 0.0000 | Pass |
| | 138 | 3673.2450 | -1.3612 | Pass |

| Product | CBS 3.65GHz | | |
|---|---|---|---|
| Test Item | Frequency Stability Over Voltage Variation | | |
| Test Mode | Carrier Signal_5MHz_Ant 0 | | |
| Date of Test | 2012/01/03 | Test Site | SR7 |

**Centre Frequency: 3652.5 MHz**

| Temperature Interval (°C) | AC Voltage (V) | Frequency (MHz) | Deviation (ppm) | Result |
|---|---|---|---|---|
| 25 | 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 |
|---|---|---|---|---|
| 25 | 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 |
|---|---|---|---|---|
| 25 | 102 | 3672.4950 | -1.3615 | Pass |
| | 120 | 3672.4950 | -1.3615 | Pass |
| | 138 | 3672.4950 | -1.3615 | Pass |

| Product | CBS 3.65GHz | | |
|---|---|---|---|
| Test Item | Frequency Stability Over Voltage Variation | | |
| Test Mode | Carrier Signal_5MHz_Ant 1 | | |
| Date of Test | 2012/01/03 | Test Site | SR7 |

**Centre Frequency: 3652.5 MHz**

| Temperature Interval (°C) | AC Voltage (V) | Frequency (MHz) | Deviation (ppm) | Result |
|---|---|---|---|---|
| 25 | 102 | 3652.4950 | -1.3689 | Pass |
| | 120 | 3652.4950 | -1.3689 | Pass |
| | 138 | 3652.5000 | 0.0000 | Pass |

**Centre Frequency: 3662.5 MHz**

| Temperature Interval (°C) | AC Voltage (V) | Frequency (MHz) | Deviation (ppm) | Result |
|---|---|---|---|---|
| 25 | 102 | 3662.4950 | -1.3652 | Pass |
| | 120 | 3662.4900 | -2.7304 | Pass |
| | 138 | 3662.4950 | -1.3652 | Pass |

**Centre Frequency: 3672.5 MHz**

| Temperature Interval (°C) | AC Voltage (V) | Frequency (MHz) | Deviation (ppm) | Result |
|---|---|---|---|---|
| 25 | 102 | 3672.4950 | -1.3615 | Pass |
| | 120 | 3672.4950 | -1.3615 | Pass |
| | 138 | 3672.4950 | -1.3615 | Pass |

| Product | CBS 3.65GHz | | |
|---|---|---|---|
| Test Item | Frequency Stability Over Voltage Variation | | |
| Test Mode | Carrier Signal_7MHz_Ant 0 | | |
| Date of Test | 2012/01/03 | Test Site | SR7 |

**Centre Frequency: 3653.5 MHz**

| Temperature Interval (°C) | AC Voltage (V) | Frequency (MHz) | Deviation (ppm) | Result |
|---|---|---|---|---|
| 25 | 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 |
|---|---|---|---|---|
| 25 | 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 |
|---|---|---|---|---|
| 25 | 102 | 3671.4950 | -1.3618 | Pass |
| | 120 | 3671.4950 | -1.3618 | Pass |
| | 138 | 3671.4950 | -1.3618 | Pass |

| Product | CBS 3.65GHz | | |
|---|---|---|---|
| Test Item | Frequency Stability Over Voltage Variation | | |
| Test Mode | Carrier Signal_7MHz_Ant 1 | | |
| Date of Test | 2012/01/03 | Test Site | SR7 |

**Centre Frequency: 3653.5 MHz**

| Temperature Interval (°C) | AC Voltage (V) | Frequency (MHz) | Deviation (ppm) | Result |
|---|---|---|---|---|
| 25 | 102 | 3653.5000 | 0.0000 | 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 |
|---|---|---|---|---|
| 25 | 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 |
|---|---|---|---|---|
| 25 | 102 | 3671.4950 | -1.3618 | Pass |
| | 120 | 3671.4950 | -1.3618 | Pass |
| | 138 | 3671.4950 | -1.3618 | Pass |

| Product | CBS 3.65GHz | | |
|---|---|---|---|
| Test Item | Frequency Stability Over Voltage Variation | | |
| Test Mode | Carrier Signal_10MHz_Ant 0 | | |
| Date of Test | 2012/01/03 | Test Site | SR7 |

**Centre Frequency: 3655.0 MHz**

| Temperature Interval (°C) | AC Voltage (V) | Frequency (MHz) | Deviation (ppm) | Result |
|---|---|---|---|---|
| 25 | 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 |
|---|---|---|---|---|
| 25 | 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 |
|---|---|---|---|---|
| 25 | 102 | 3669.9950 | -1.3624 | Pass |
| | 120 | 3669.9950 | -1.3624 | Pass |
| | 138 | 3669.9950 | -1.3624 | Pass |

| Product | CBS 3.65GHz | | |
|---|---|---|---|
| Test Item | Frequency Stability Over Voltage Variation | | |
| Test Mode | Carrier Signal_10MHz_Ant 1 | | |
| Date of Test | 2012/01/03 | Test Site | SR7 |

**Centre Frequency: 3655.0 MHz**

| Temperature Interval (°C) | AC Voltage (V) | Frequency (MHz) | Deviation (ppm) | Result |
|---|---|---|---|---|
| 25 | 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 |
|---|---|---|---|---|
| 25 | 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 |
|---|---|---|---|---|
| 25 | 102 | 3669.9950 | -1.3624 | Pass |
| | 120 | 3669.9950 | -1.3624 | Pass |
| | 138 | 3669.9950 | -1.3624 | Pass |