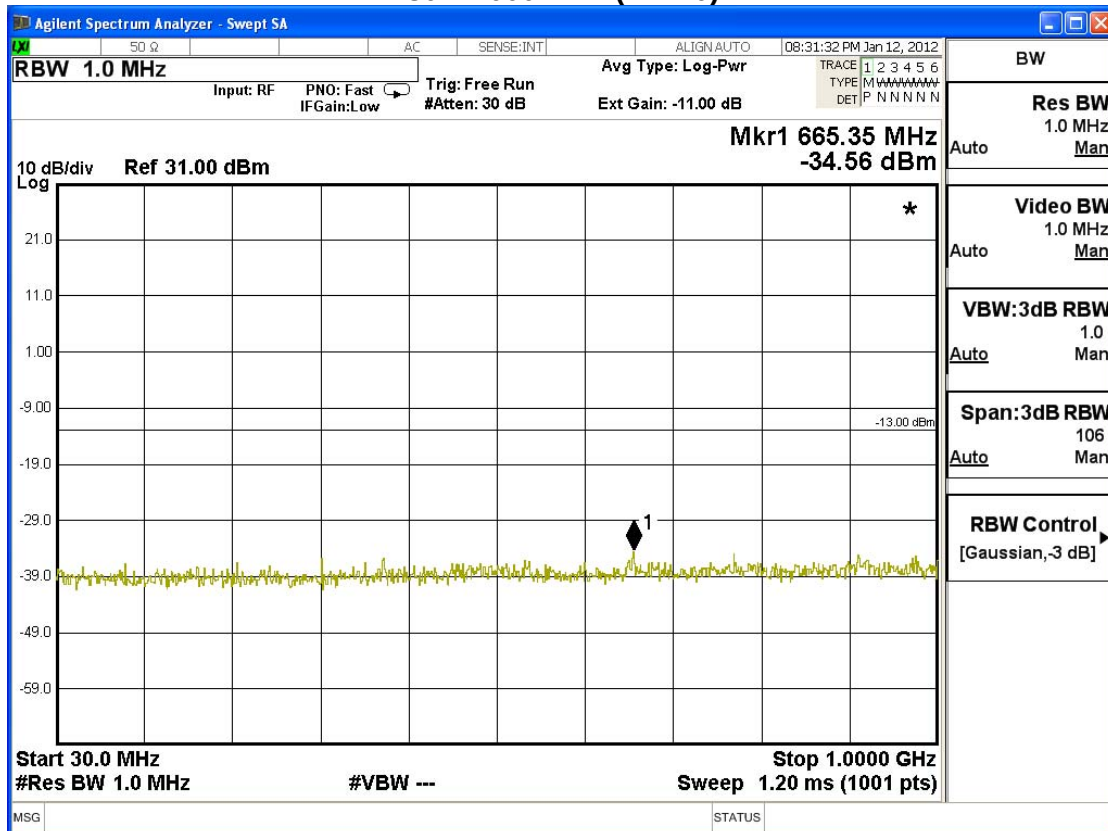


Test Frequency: 2686.5MHz - ANT0				
Frequency Band (MHz)	Frequency (MHz)	Reading Level (dBm)	Measured Level (dBm)	Limit (dBm)
30-1000	942.77	-34.56	-31.56	≤ -13
1000-6000	2765.00	-23.01	-20.01	≤ -13
6000-18000	16824.00	-30.10	-27.10	≤ -13
18000-26500	25633.00	-23.83	-20.83	≤ -13

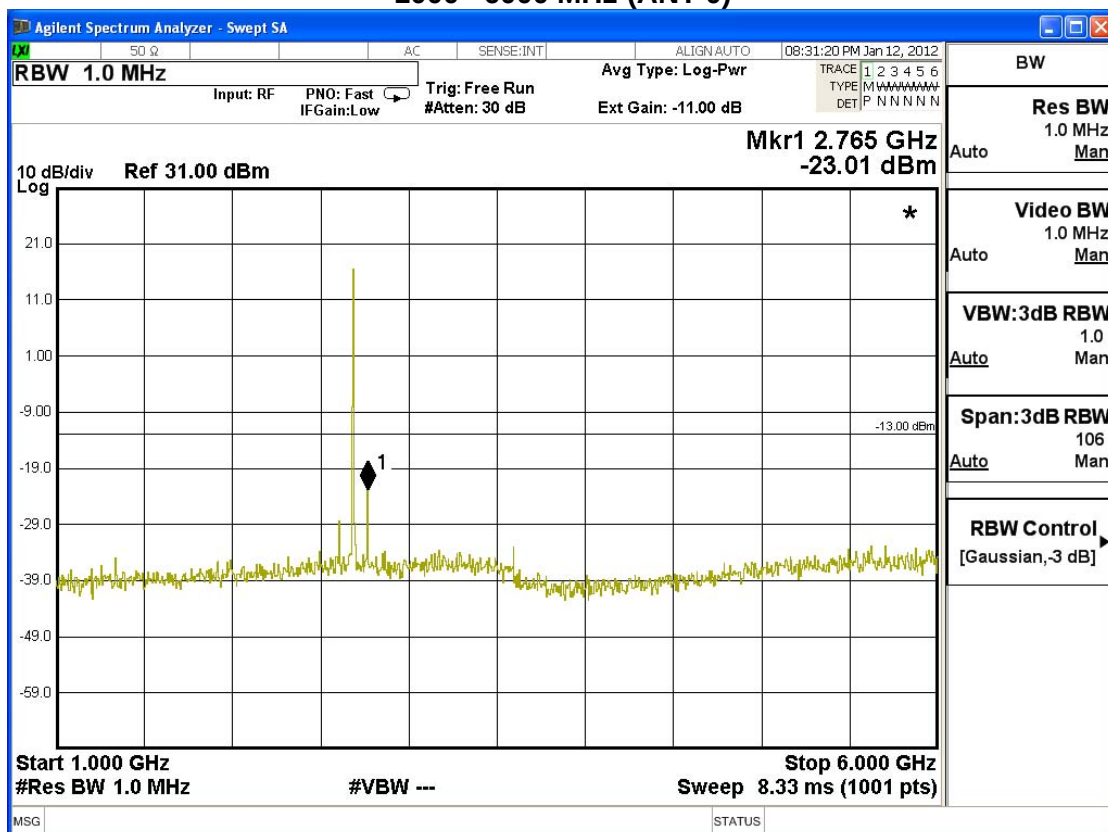
Test Frequency: 2686.5MHz – ANT1				
Frequency Band (MHz)	Frequency (MHz)	Reading Level (dBm)	Measured Level (dBm)	Limit (dBm)
30-1000	828.31	-34.56	-31.56	≤ -13
1000-6000	2765.00	-21.88	-18.88	≤ -13
6000-18000	16728.00	-30.55	-27.55	≤ -13
18000-26500	25165.50	-24.35	-21.35	≤ -13

30 – 1000 MHz-(ANT 0)



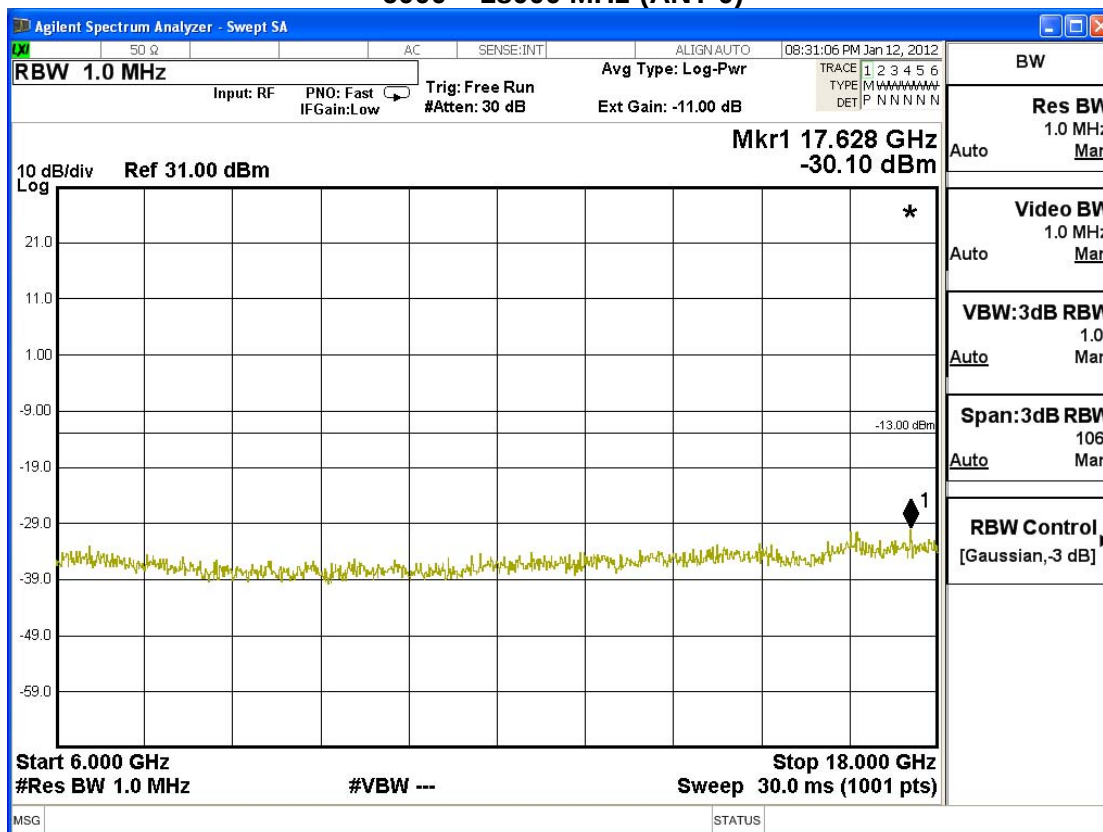
The search value is under the technical standard value, do not need to measure by measuring mode.

1000– 6000 MHz-(ANT 0)



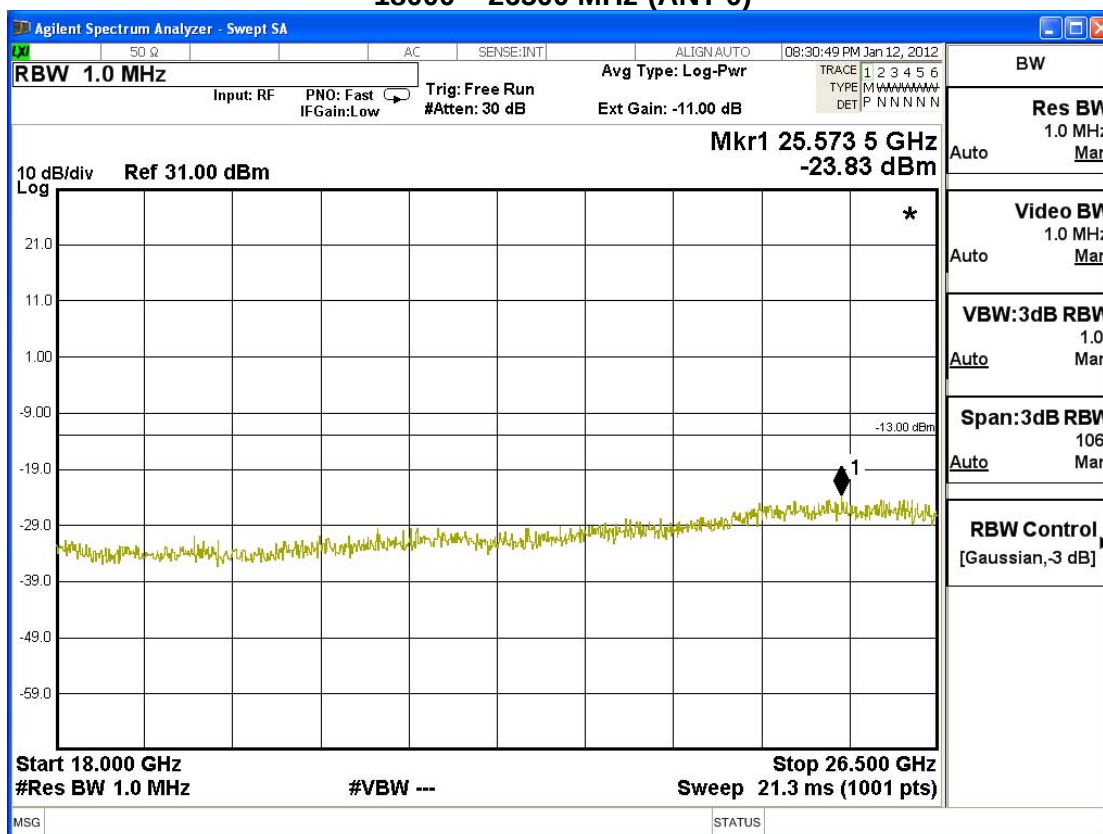
The search value is under the technical standard value, do not need to measure by measuring mode.

6000 – 18000 MHz-(ANT 0)



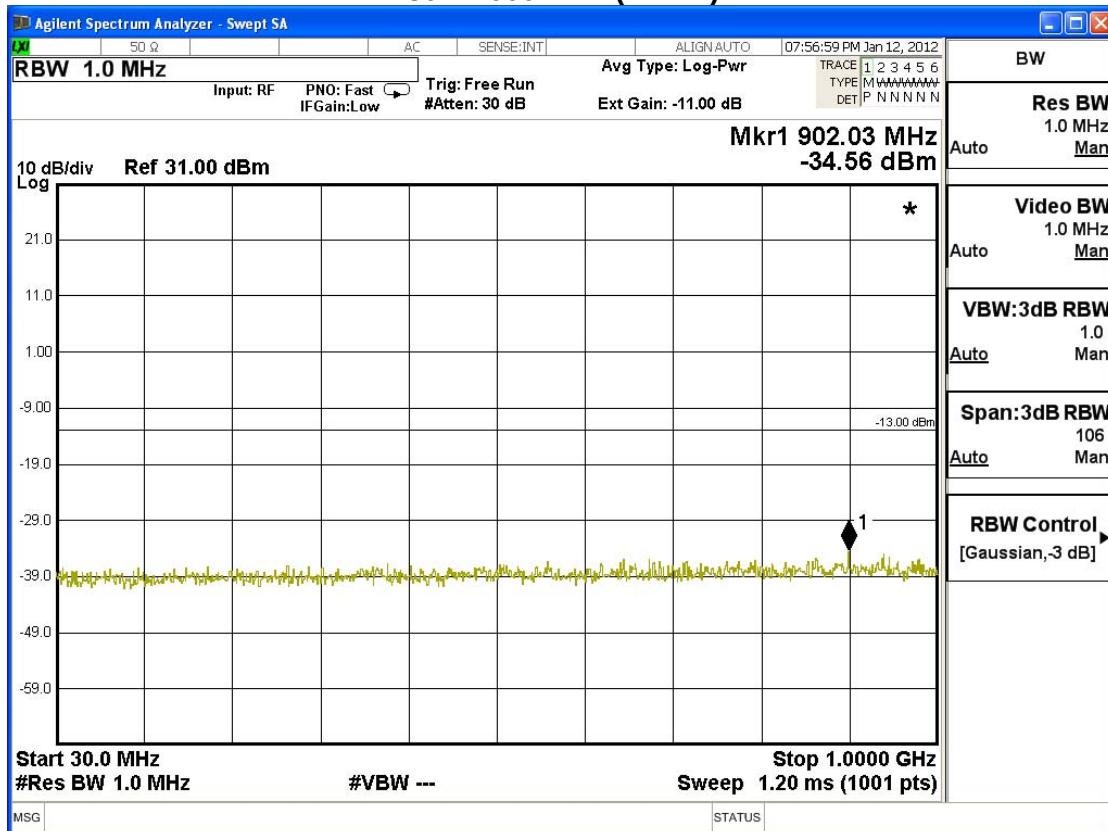
The search value is under the technical standard value, do not need to measure by measuring mode.

18000 – 26500 MHz-(ANT 0)



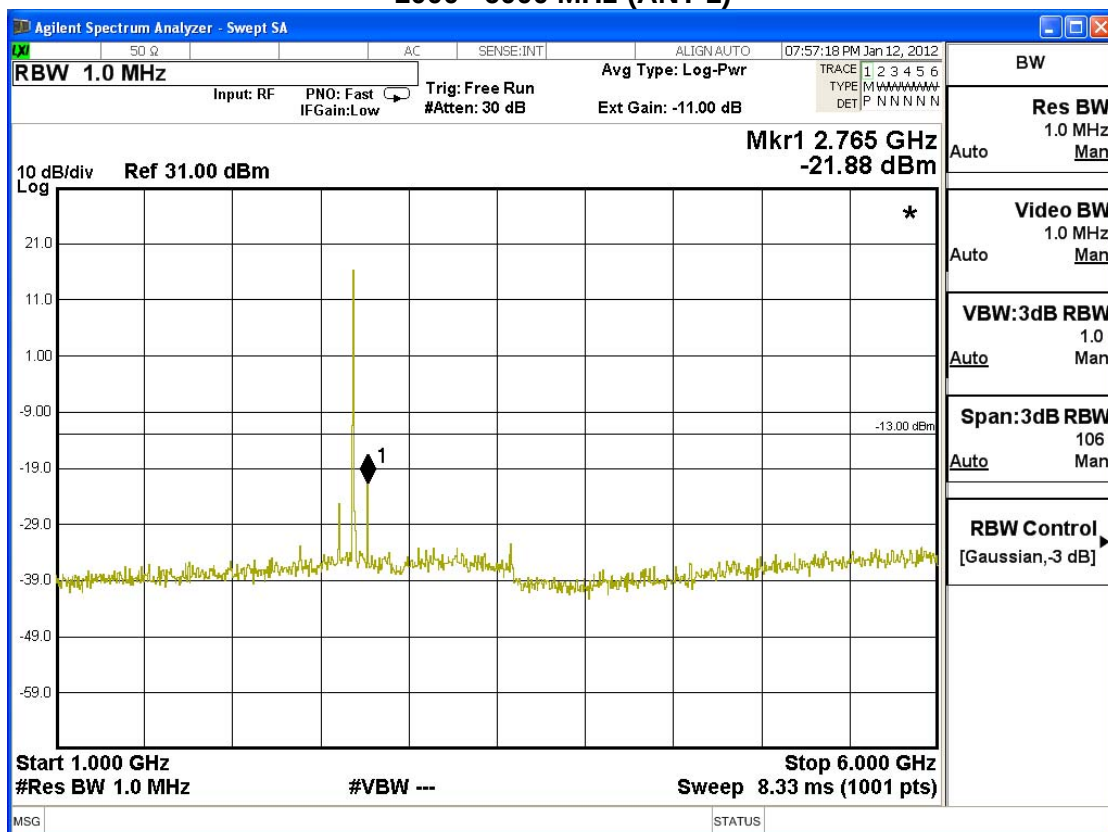
The search value is under the technical standard value, do not need to measure by measuring mode.

30 – 1000 MHz-(ANT 1)



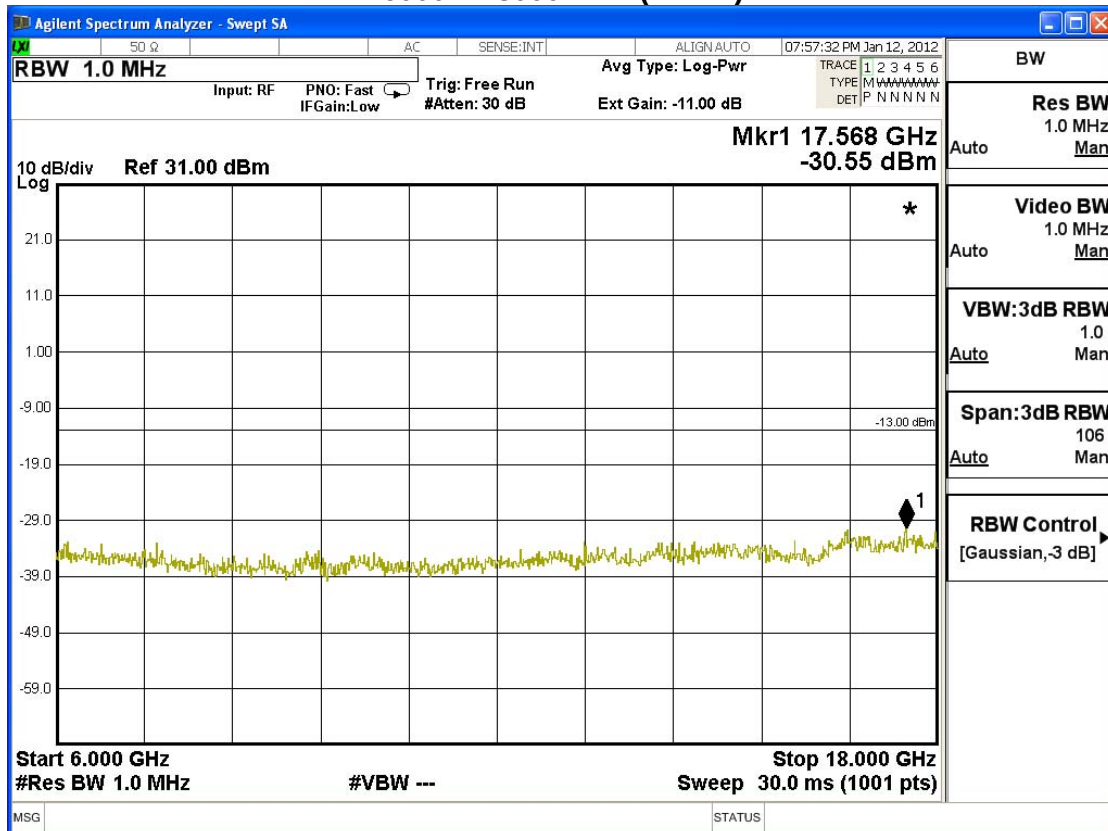
The search value is under the technical standard value, do not need to measure by measuring mode.

1000– 6000 MHz-(ANT 1)



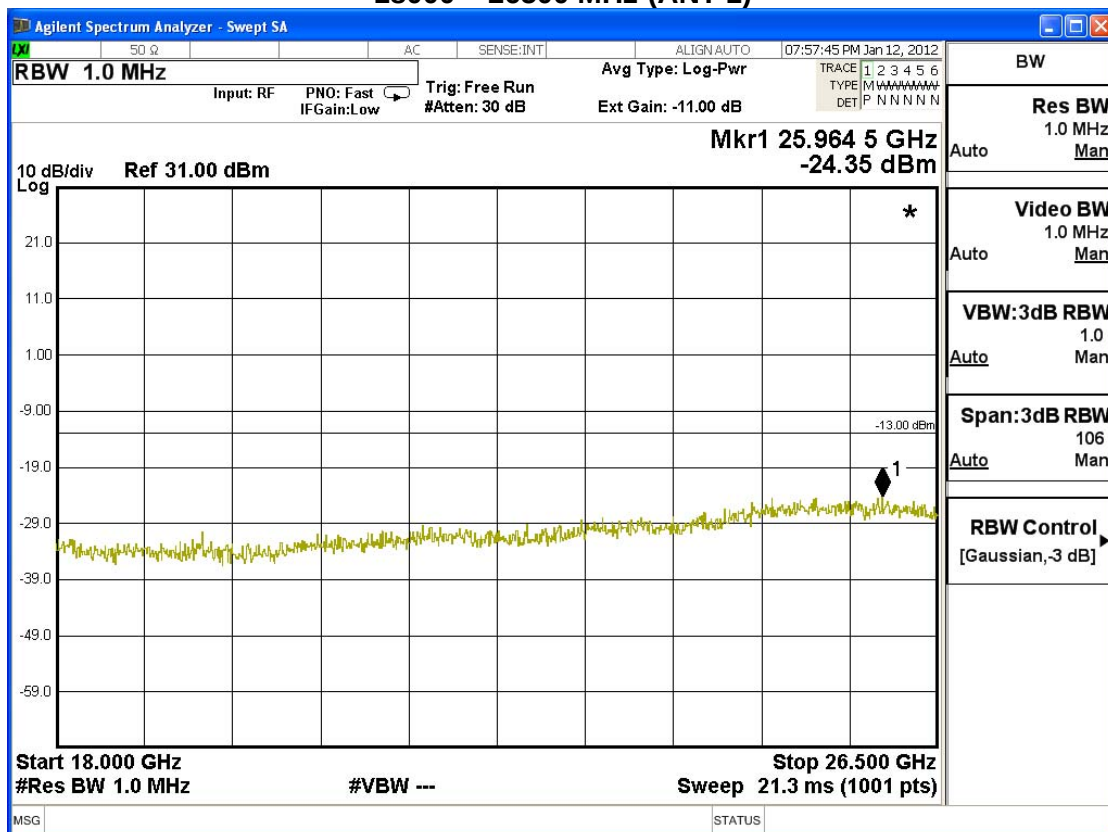
The search value is under the technical standard value, do not need to measure by measuring mode.

6000 – 18000 MHz-(ANT 1)



The search value is under the technical standard value, do not need to measure by measuring mode.

18000 – 26500 MHz-(ANT 1)



The search value is under the technical standard value, do not need to measure by measuring mode.

Product	CBS 2.5GHz		
Test Item	Conducted Spurious Emission		
Test Mode	Mode 4: Transmit (10MHz BW_64QAM-2/3)		
Date of Test	2013/01/16	Test Site	SR7

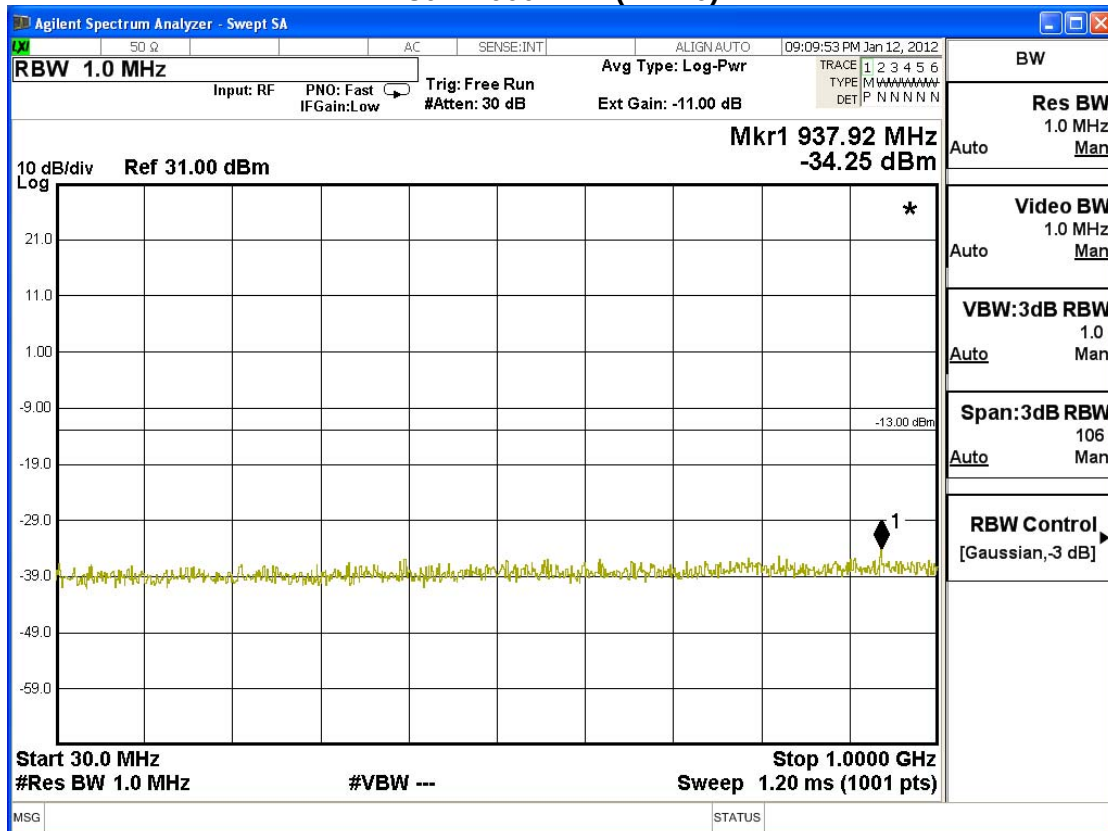
Test Frequency: 2501MHz - ANT0

Frequency Band (MHz)	Frequency (MHz)	Reading Level (dBm)	Measured Level (dBm)	Limit (dBm)
30-1000	979.63	-34.25	-31.25	≤ -13
1000-6000	2585.00	-23.08	-20.08	≤ -13
6000-18000	17508.00	-31.42	-28.42	≤ -13
18000-26500	25709.50	-22.71	-19.71	≤ -13

Test Frequency: 2501MHz - ANT1

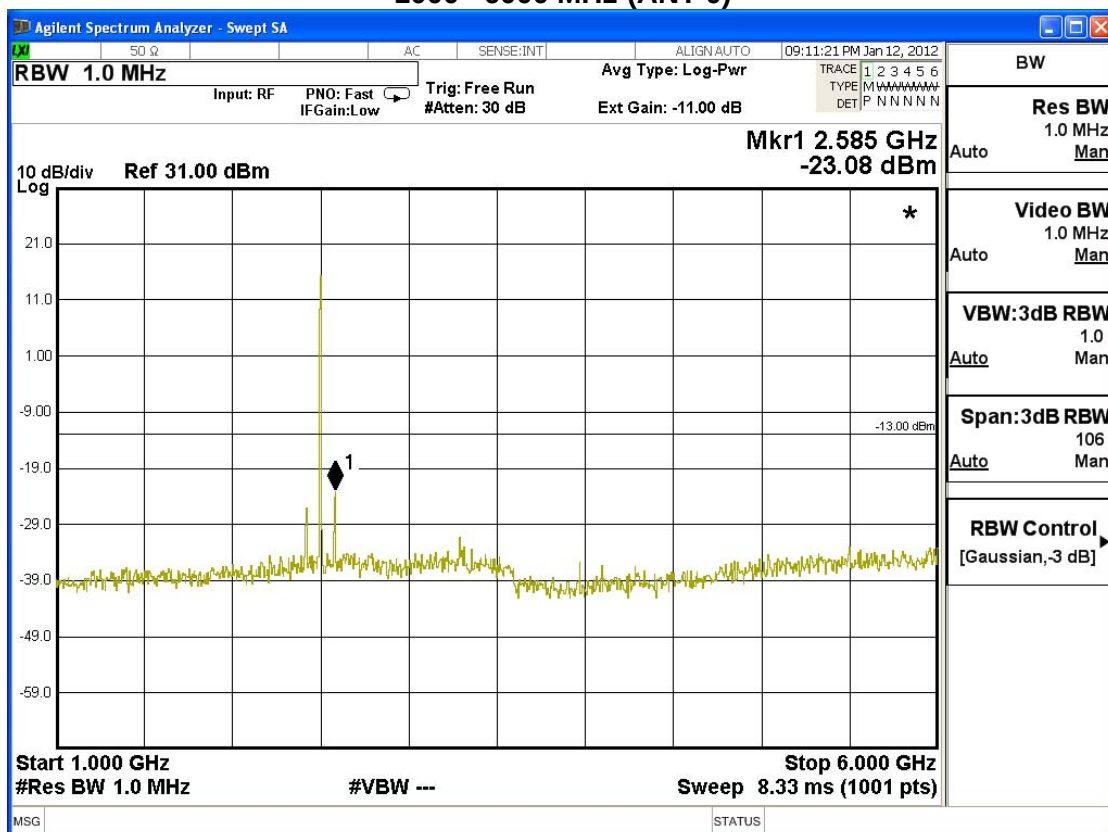
Frequency Band (MHz)	Frequency (MHz)	Reading Level (dBm)	Measured Level (dBm)	Limit (dBm)
30-1000	934.04	-34.94	-31.94	≤ -13
1000-6000	2580.00	-22.60	-19.60	≤ -13
6000-18000	17904.00	-30.79	-27.79	≤ -13
18000-26500	25148.50	-23.58	-20.58	≤ -13

30 – 1000 MHz-(ANT 0)



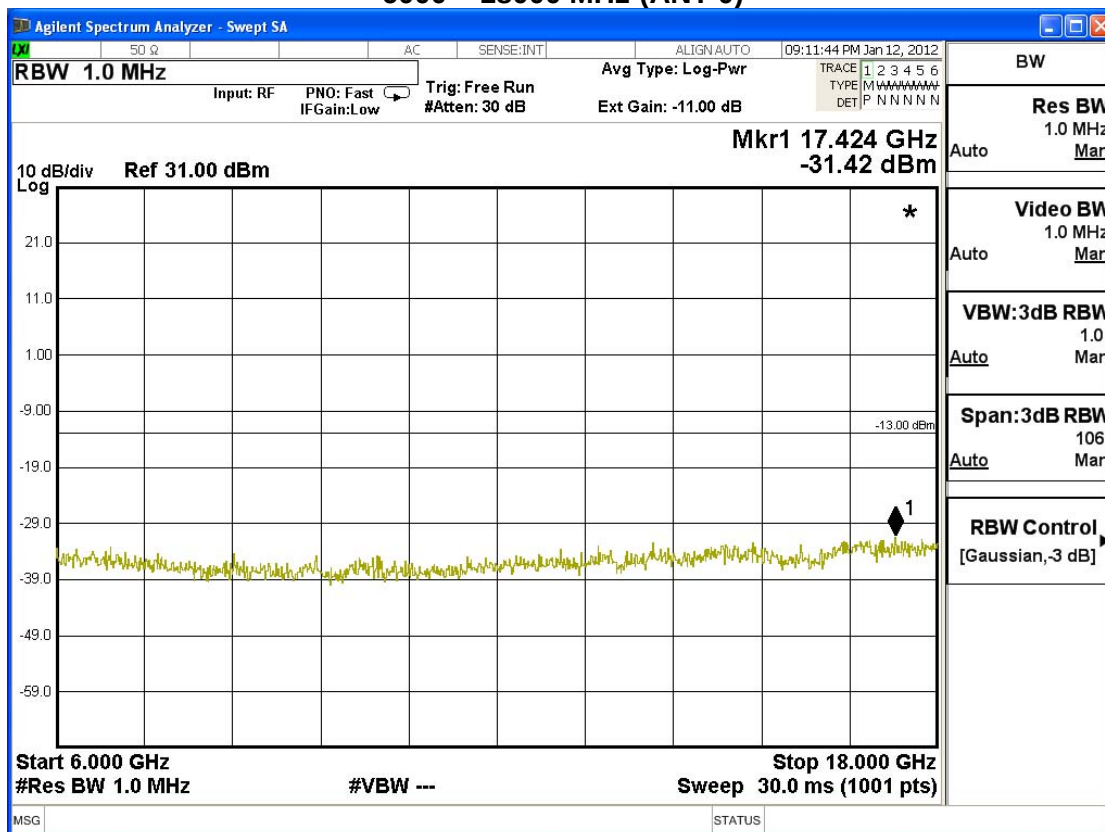
The search value is under the technical standard value, do not need to measure by measuring mode.

1000– 6000 MHz-(ANT 0)



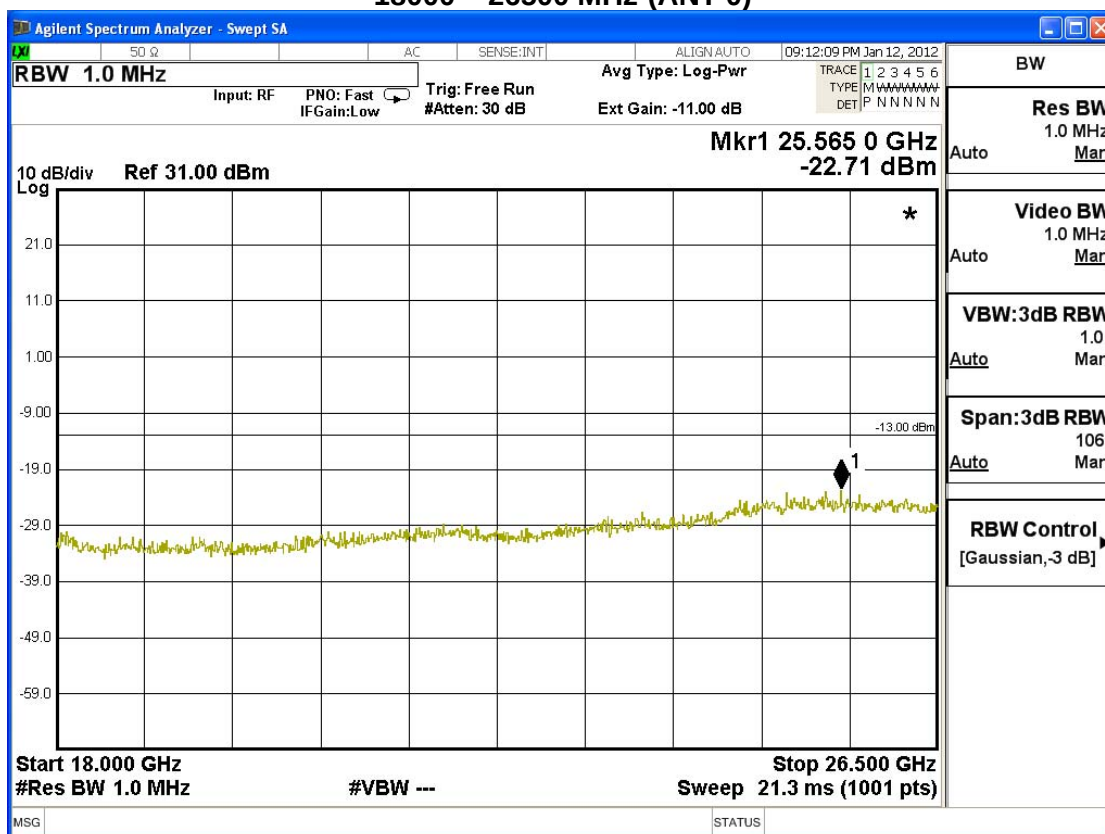
The search value is under the technical standard value, do not need to measure by measuring mode.

6000 – 18000 MHz-(ANT 0)



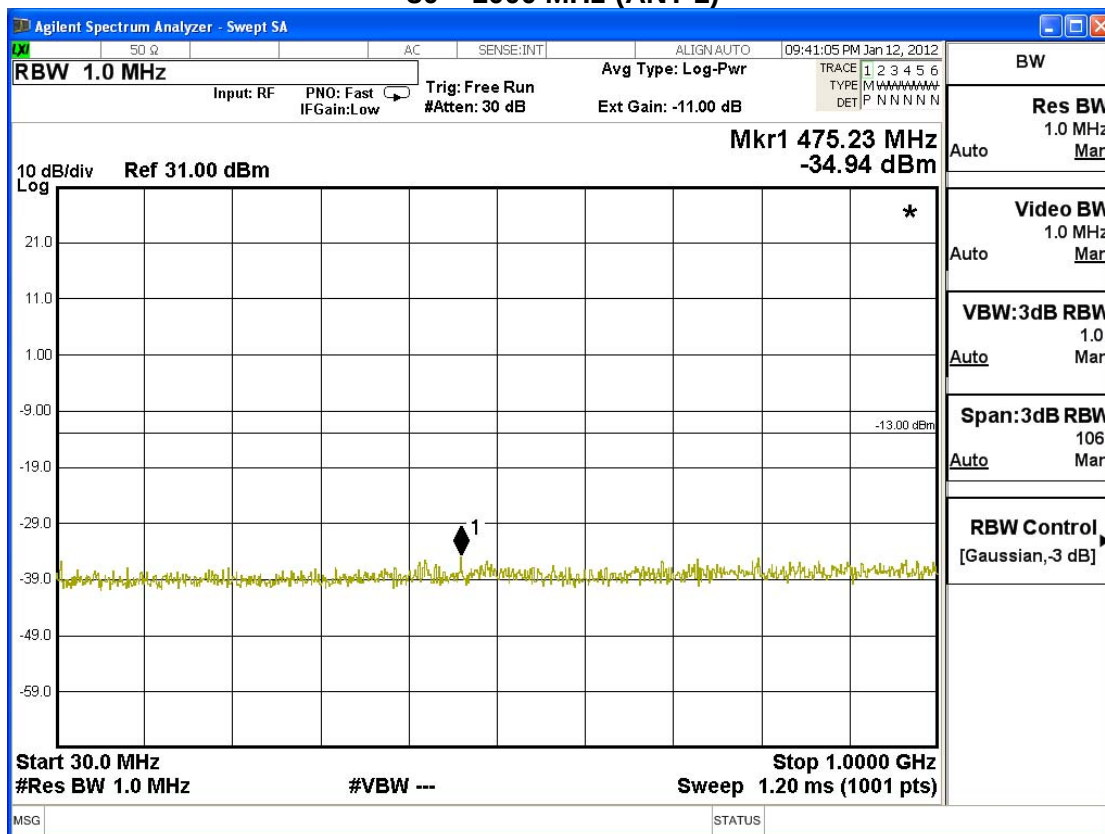
The search value is under the technical standard value, do not need to measure by measuring mode.

18000 – 26500 MHz-(ANT 0)



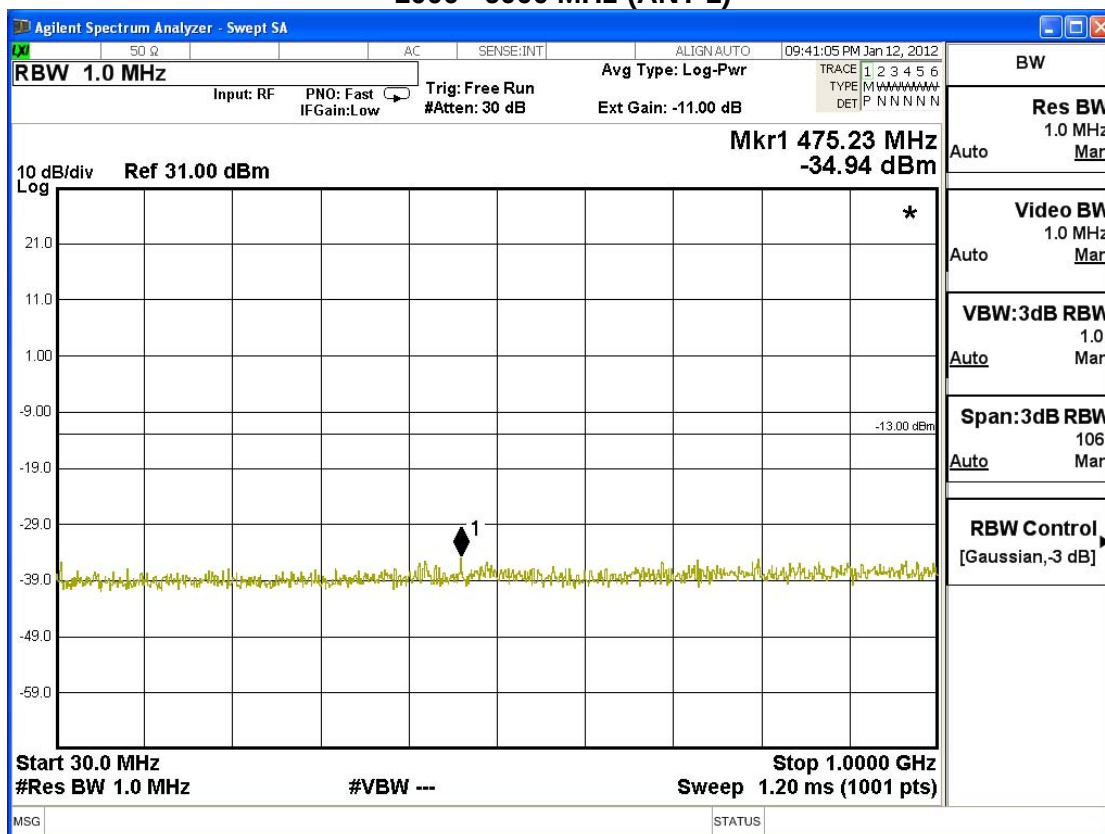
The search value is under the technical standard value, do not need to measure by measuring mode.

30 – 1000 MHz-(ANT 1)



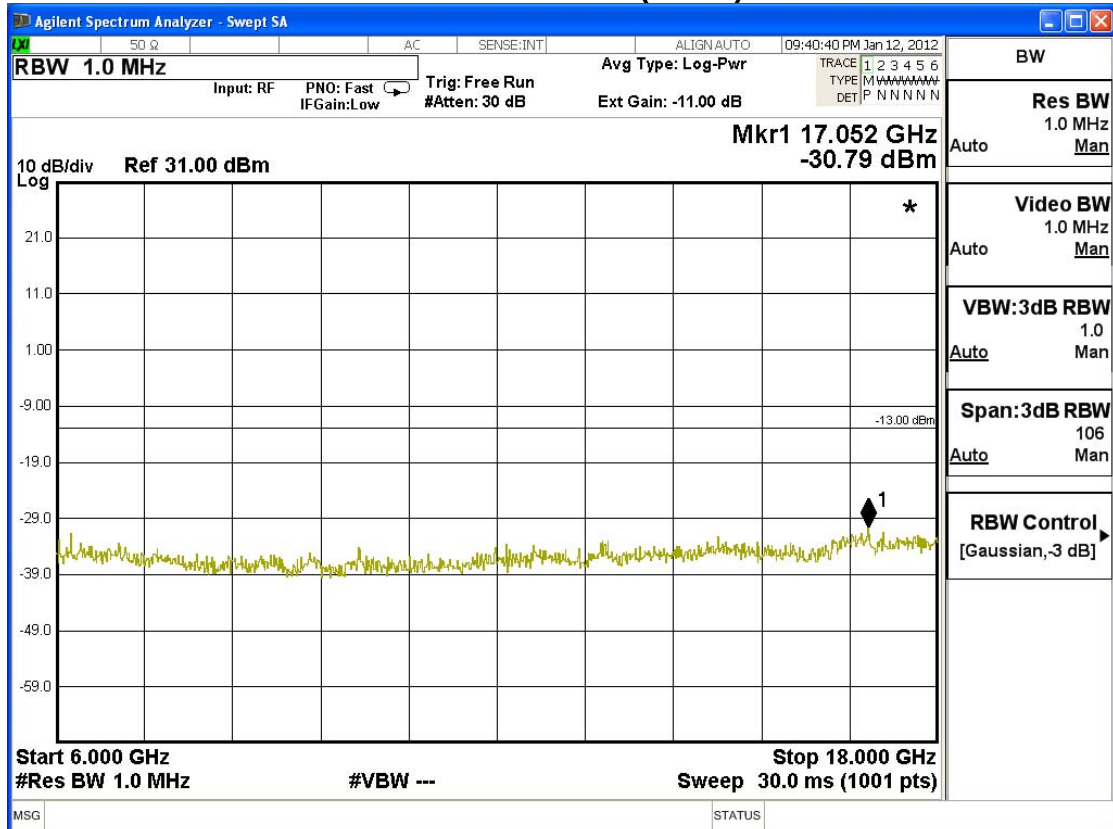
The search value is under the technical standard value, do not need to measure by measuring mode.

1000– 6000 MHz-(ANT 1)



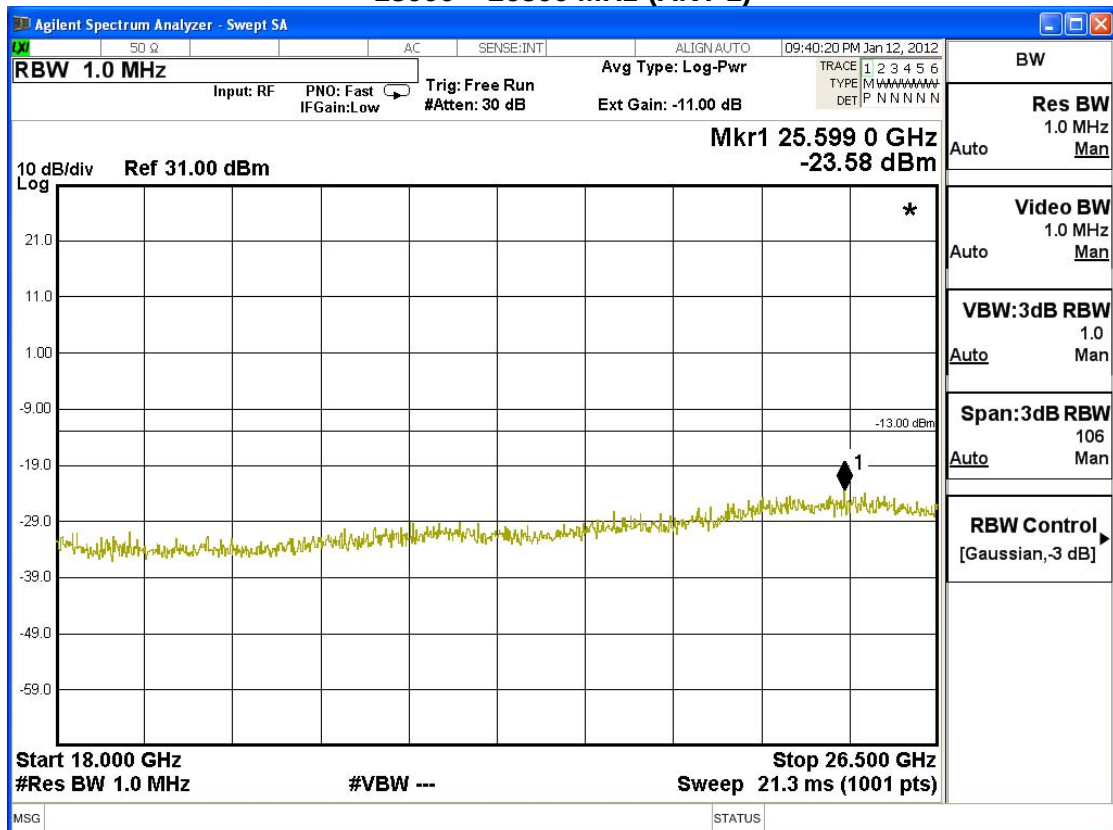
The search value is under the technical standard value, do not need to measure by measuring mode.

6000 – 18000 MHz-(ANT 1)



The search value is under the technical standard value, do not need to measure by measuring mode.

18000 – 26500 MHz-(ANT 1)

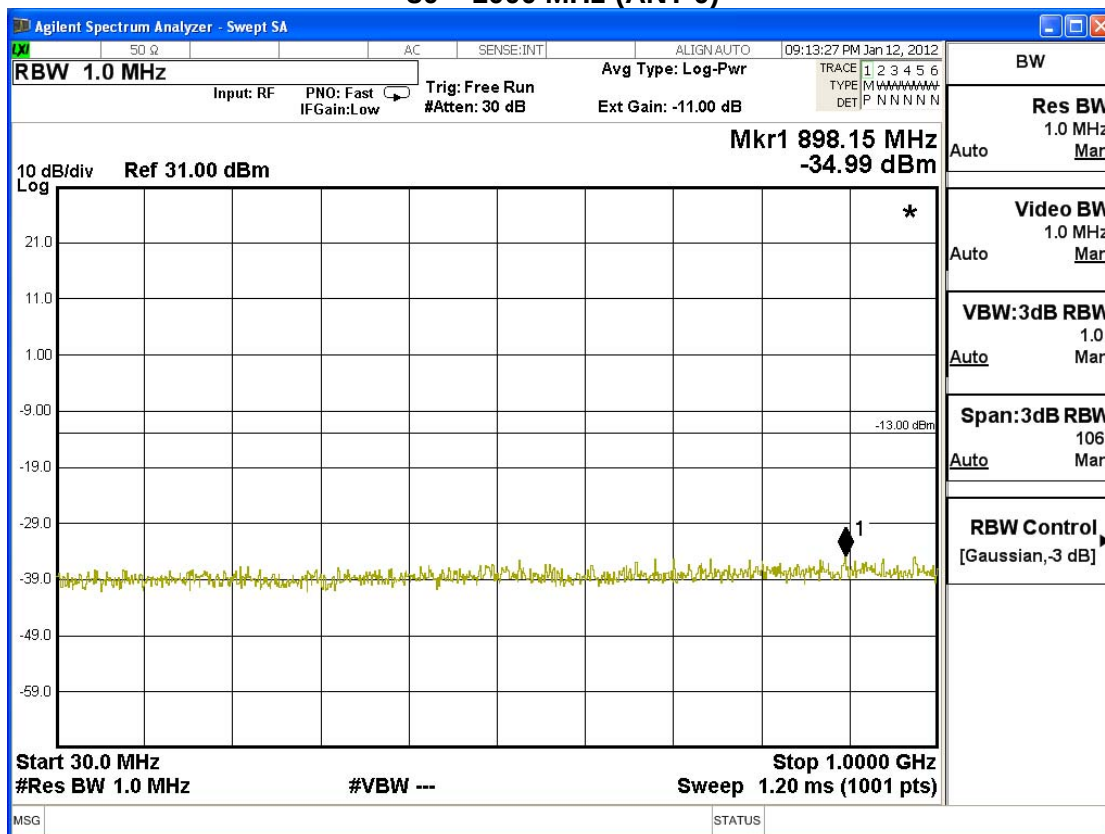


The search value is under the technical standard value, do not need to measure by measuring mode.

Test Frequency: 2593MHz - ANT0				
Frequency Band (MHz)	Frequency (MHz)	Reading Level (dBm)	Measured Level (dBm)	Limit (dBm)
30-1000	350.10	-34.99	-31.99	≤ -13
1000-6000	2675.00	-24.19	-21.19	≤ -13
6000-18000	16752.00	-29.85	-26.85	≤ -13
18000-26500	24825.50	-22.45	-19.45	≤ -13

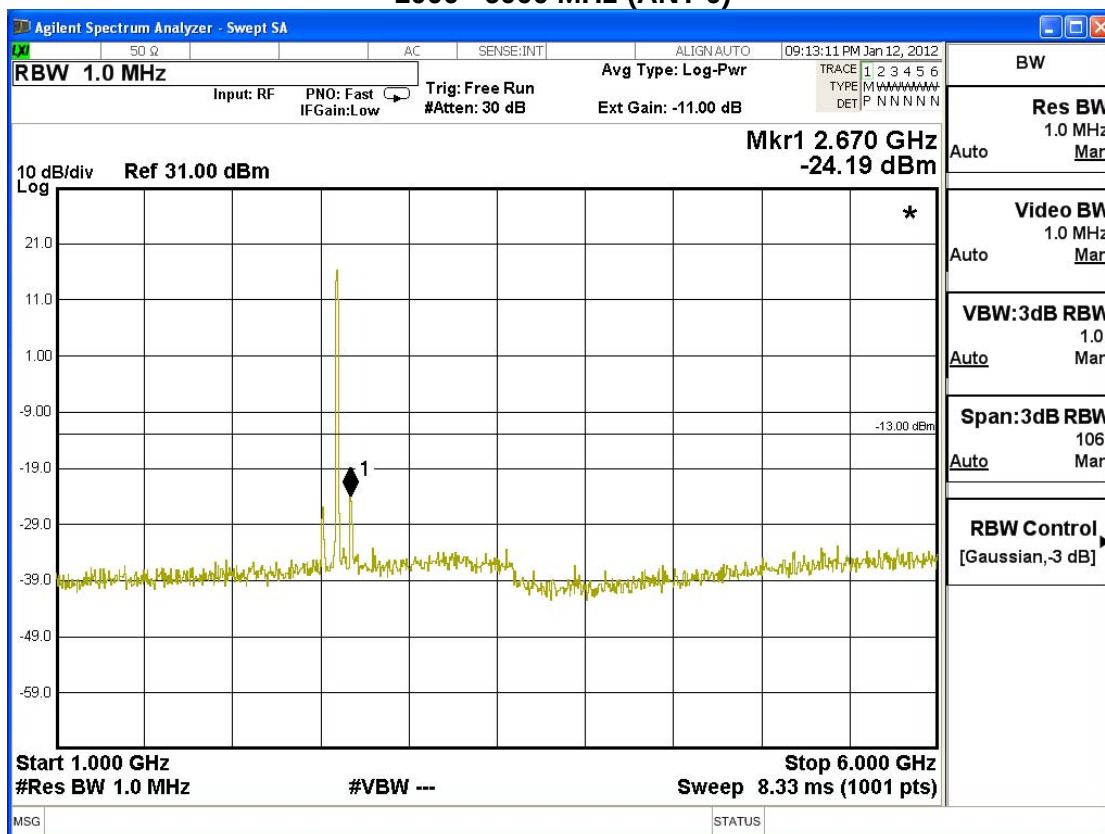
Test Frequency: 2593MHz – ANT1				
Frequency Band (MHz)	Frequency (MHz)	Reading Level (dBm)	Measured Level (dBm)	Limit (dBm)
30-1000	734.22	-35.08	-32.08	≤ -13
1000-6000	2670.00	-21.22	-18.22	≤ -13
6000-18000	17028.00	-30.74	-27.74	≤ -13
18000-26500	25947.50	-24.13	-21.13	≤ -13

30 – 1000 MHz-(ANT 0)



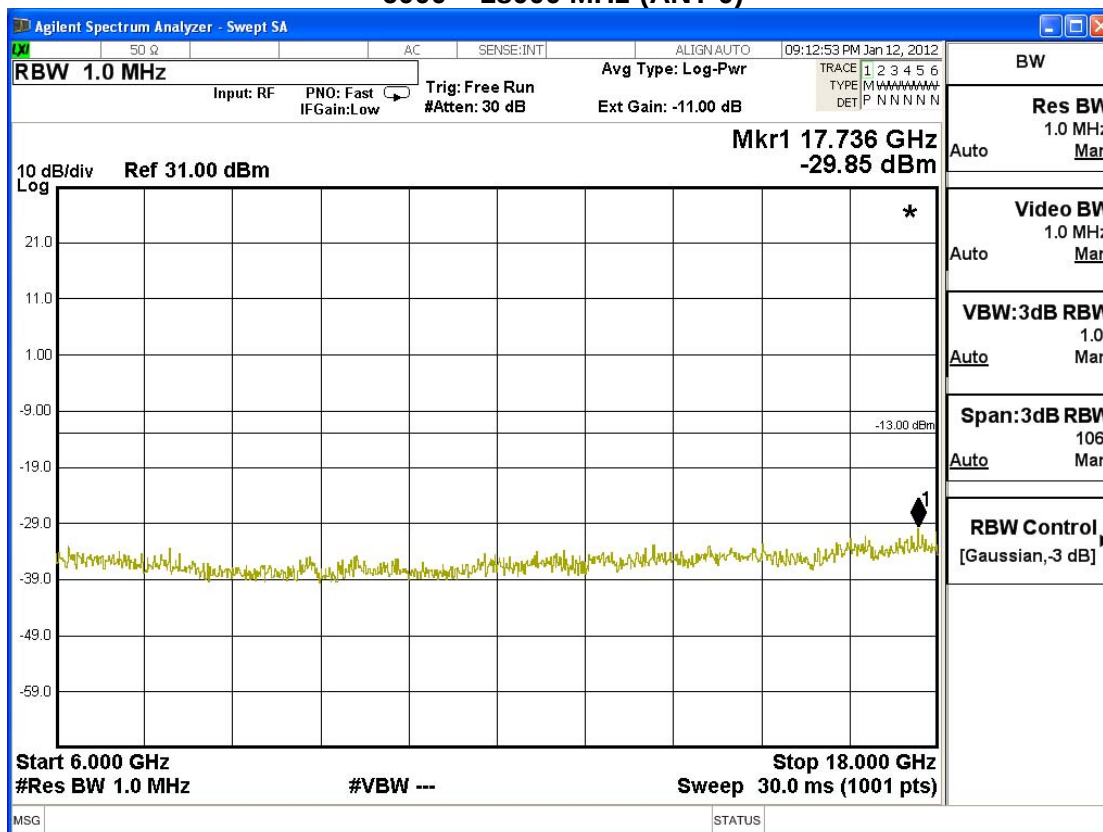
The search value is under the technical standard value, do not need to measure by measuring mode.

1000– 6000 MHz-(ANT 0)



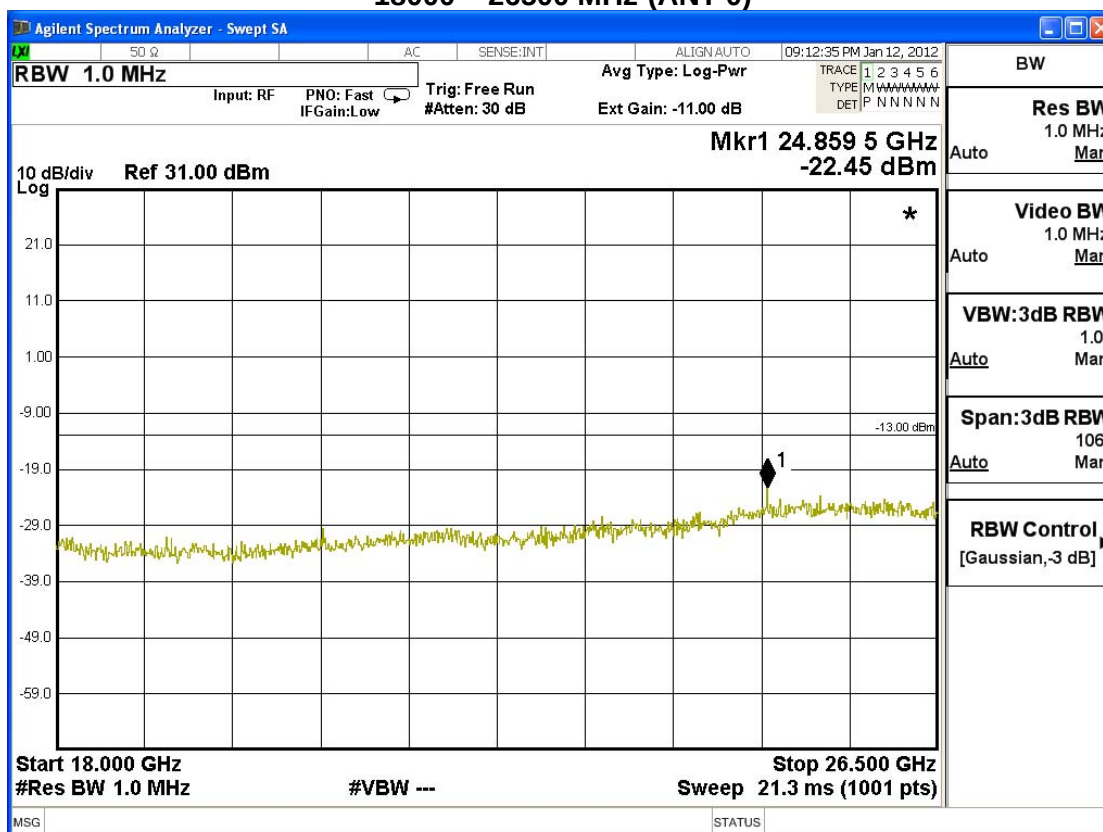
The search value is under the technical standard value, do not need to measure by measuring mode.

6000 – 18000 MHz-(ANT 0)



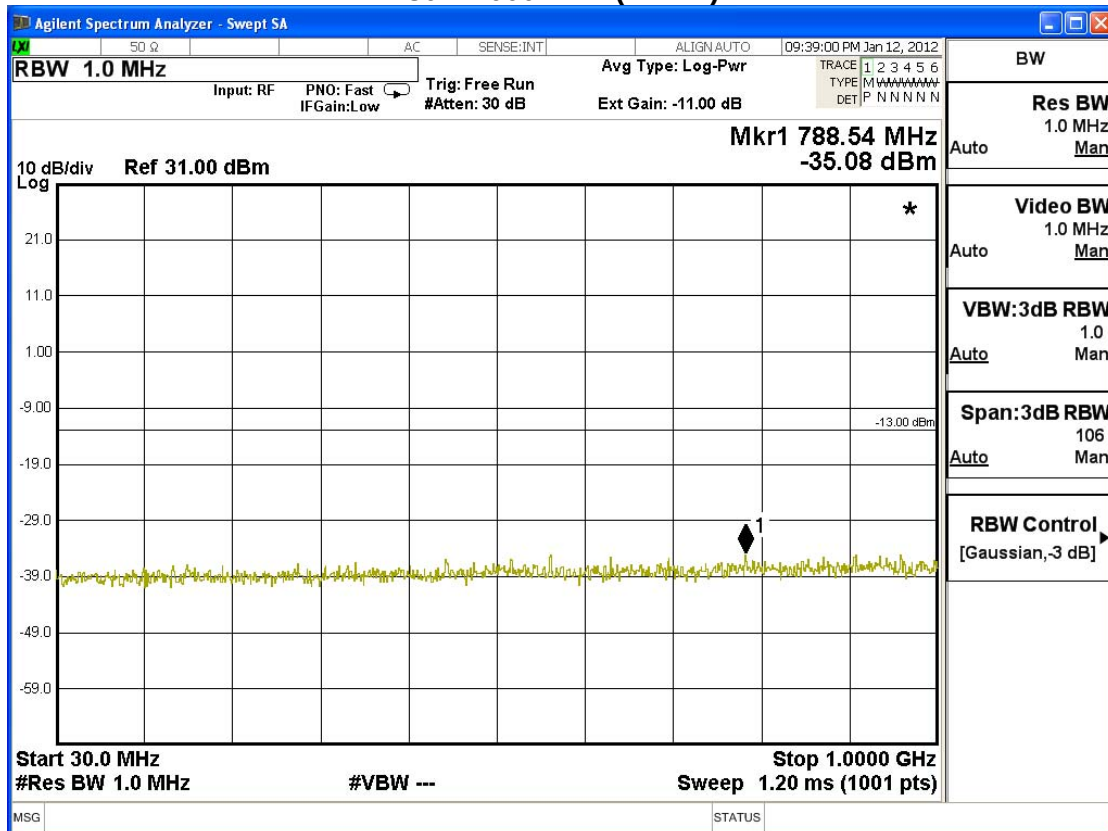
The search value is under the technical standard value, do not need to measure by measuring mode.

18000 – 26500 MHz-(ANT 0)



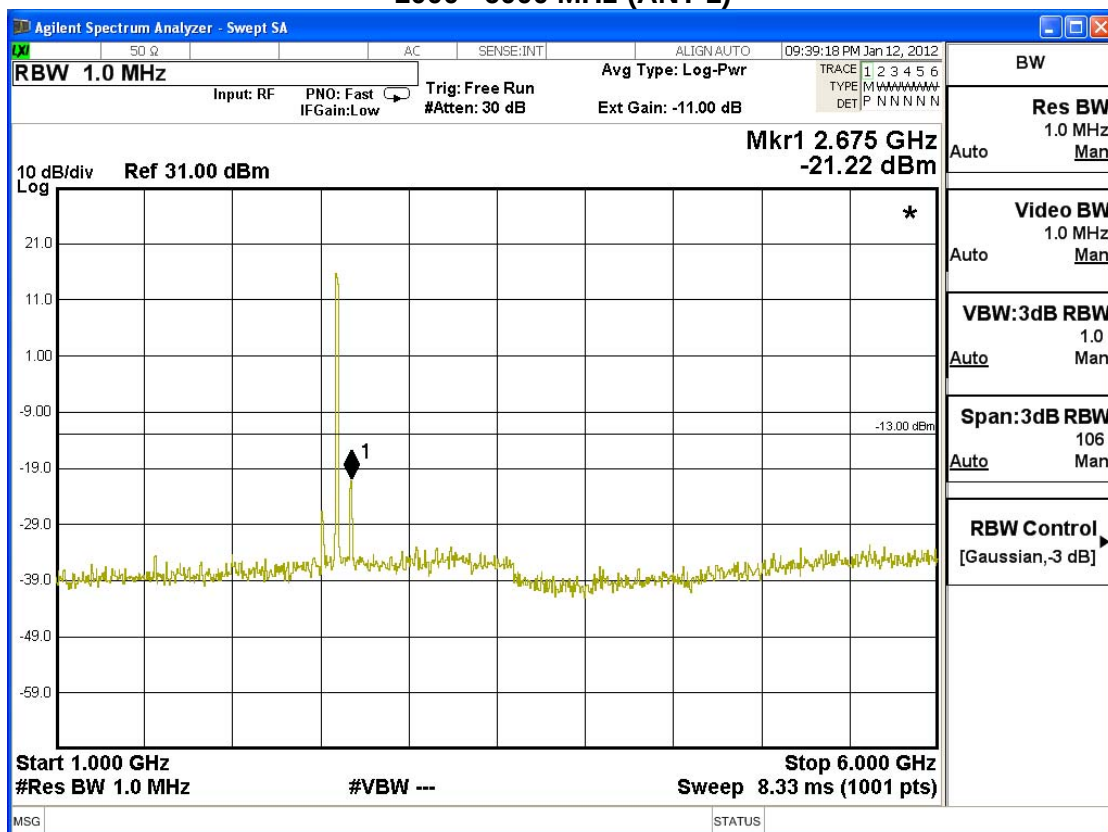
The search value is under the technical standard value, do not need to measure by measuring mode.

30 – 1000 MHz-(ANT 1)



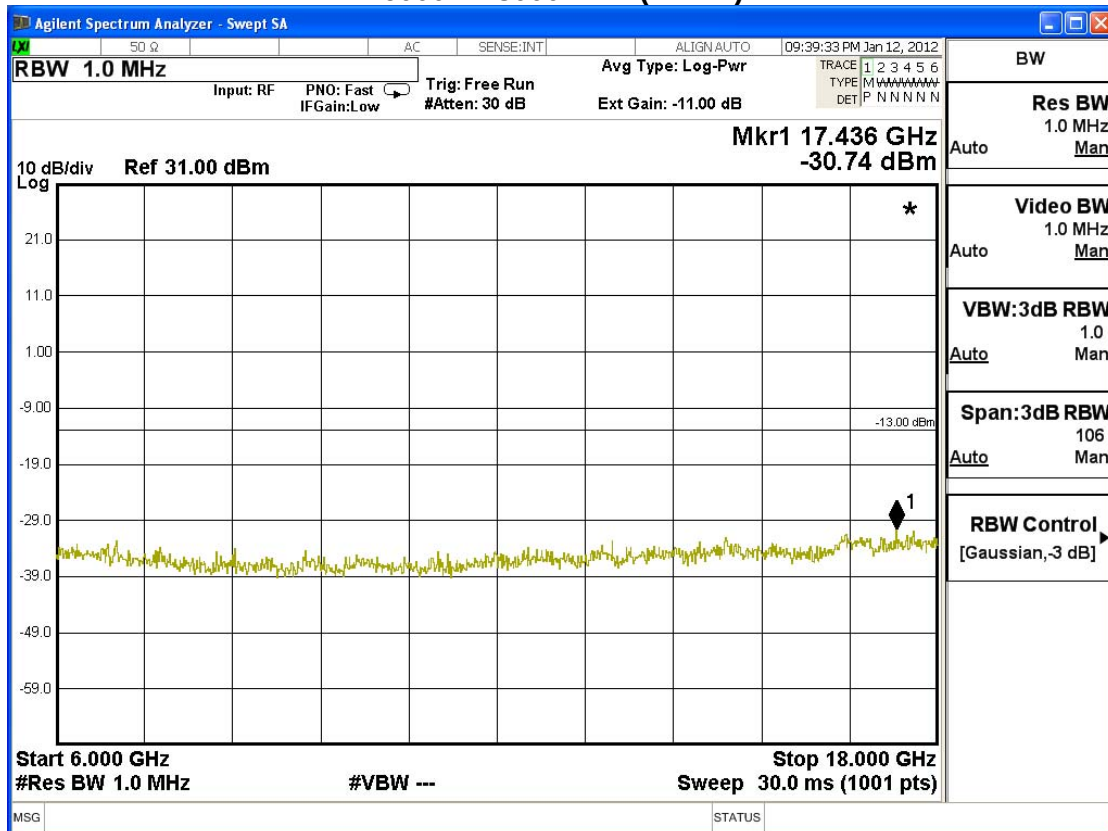
The search value is under the technical standard value, do not need to measure by measuring mode.

1000– 6000 MHz-(ANT 1)



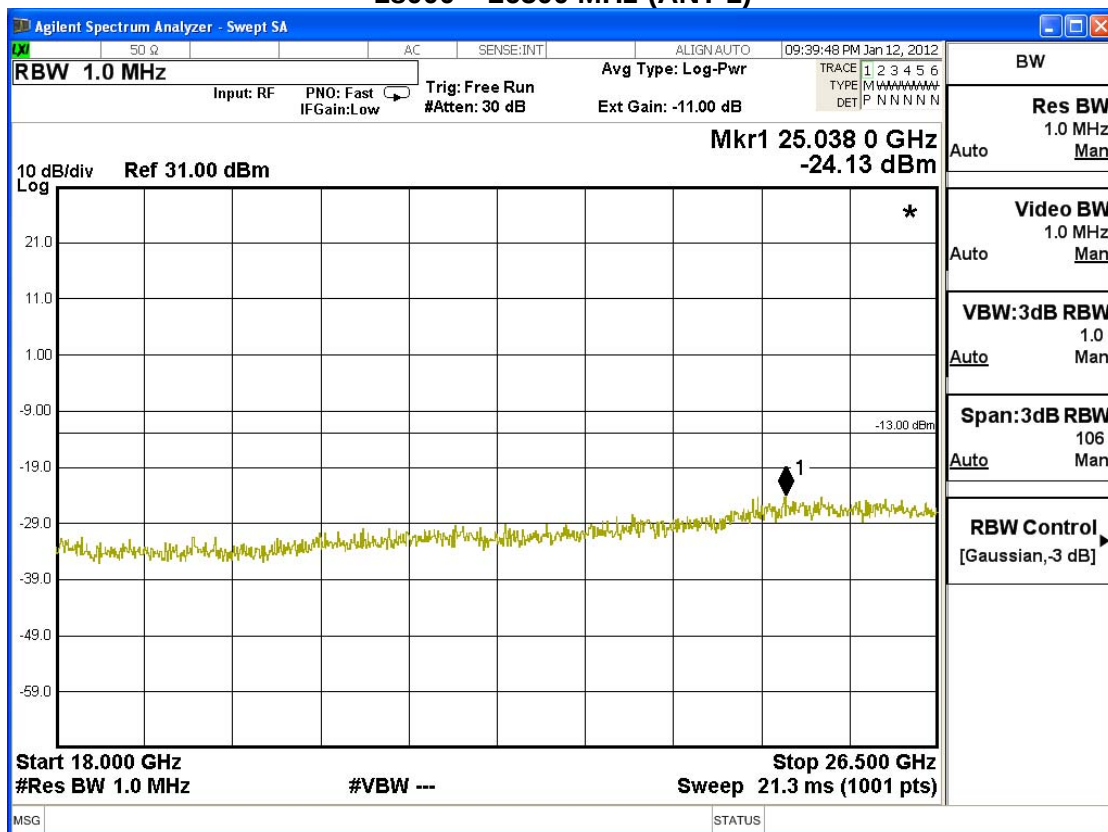
The search value is under the technical standard value, do not need to measure by measuring mode.

6000 – 18000 MHz-(ANT 1)



The search value is under the technical standard value, do not need to measure by measuring mode.

18000 – 26500 MHz-(ANT 1)



The search value is under the technical standard value, do not need to measure by measuring mode.

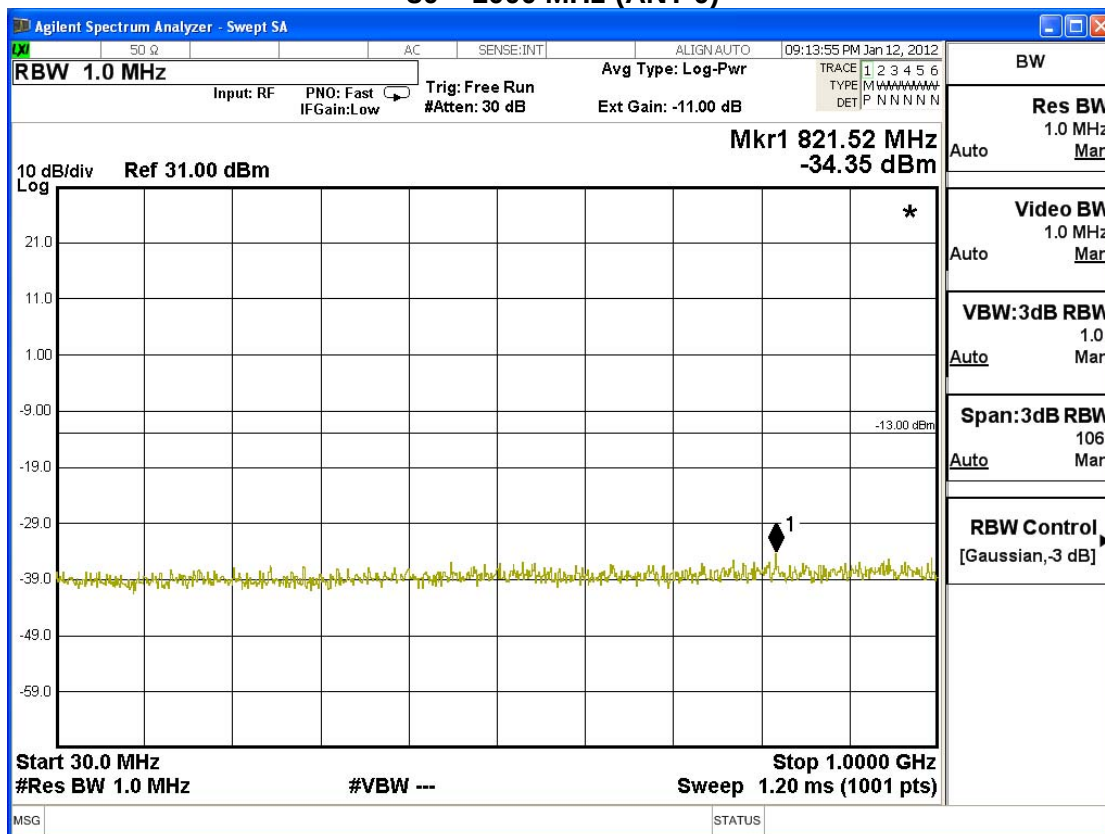
Test Frequency: 2685MHz - ANT0

Frequency Band (MHz)	Frequency (MHz)	Reading Level (dBm)	Measured Level (dBm)	Limit (dBm)
30-1000	666.32	-34.35	-31.35	≤ -13
1000-6000	2765.00	-24.59	-21.59	≤ -13
6000-18000	17688.00	-30.35	-27.35	≤ -13
18000-26500	25701.00	-23.48	-20.48	≤ -13

Test Frequency: 2685MHz – ANT1

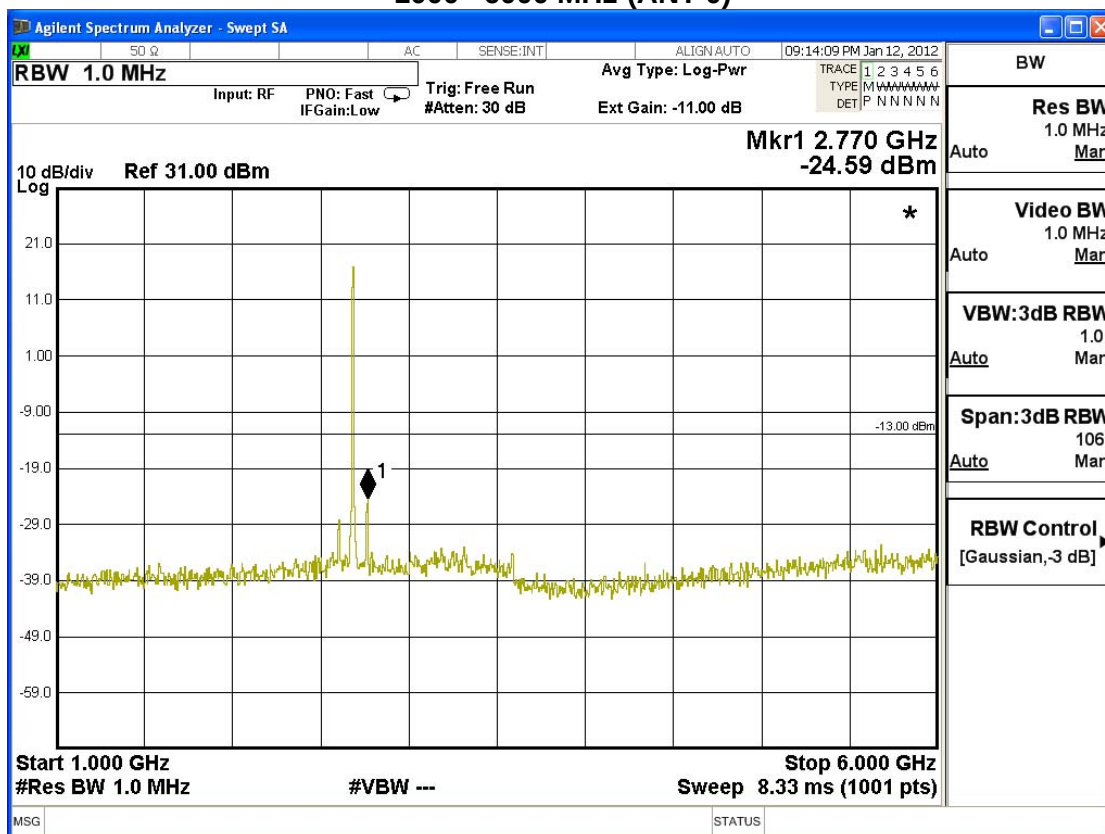
Frequency Band (MHz)	Frequency (MHz)	Reading Level (dBm)	Measured Level (dBm)	Limit (dBm)
30-1000	910.76	-35.26	-32.26	≤ -13
1000-6000	2610.00	-23.00	-20.00	≤ -13
6000-18000	17604.00	-31.00	-28.00	≤ -13
18000-26500	25922.00	-22.80	-19.80	≤ -13

30 – 1000 MHz-(ANT 0)



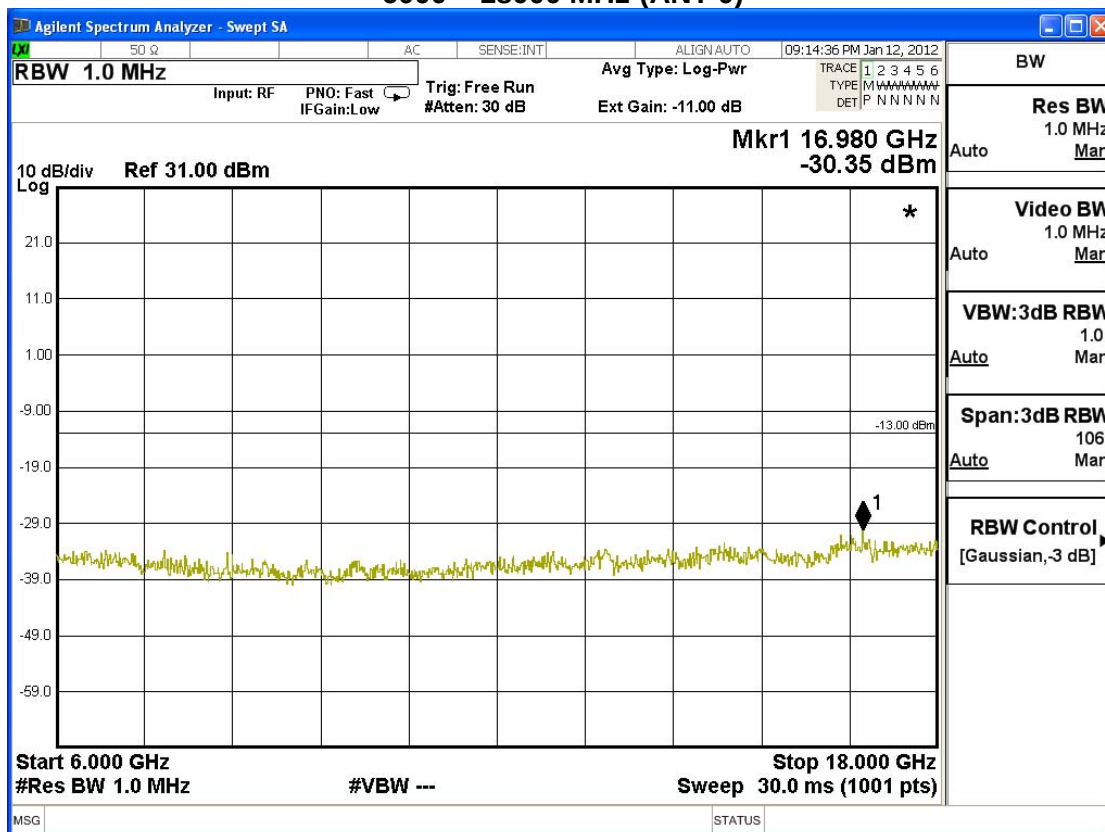
The search value is under the technical standard value, do not need to measure by measuring mode.

1000– 6000 MHz-(ANT 0)



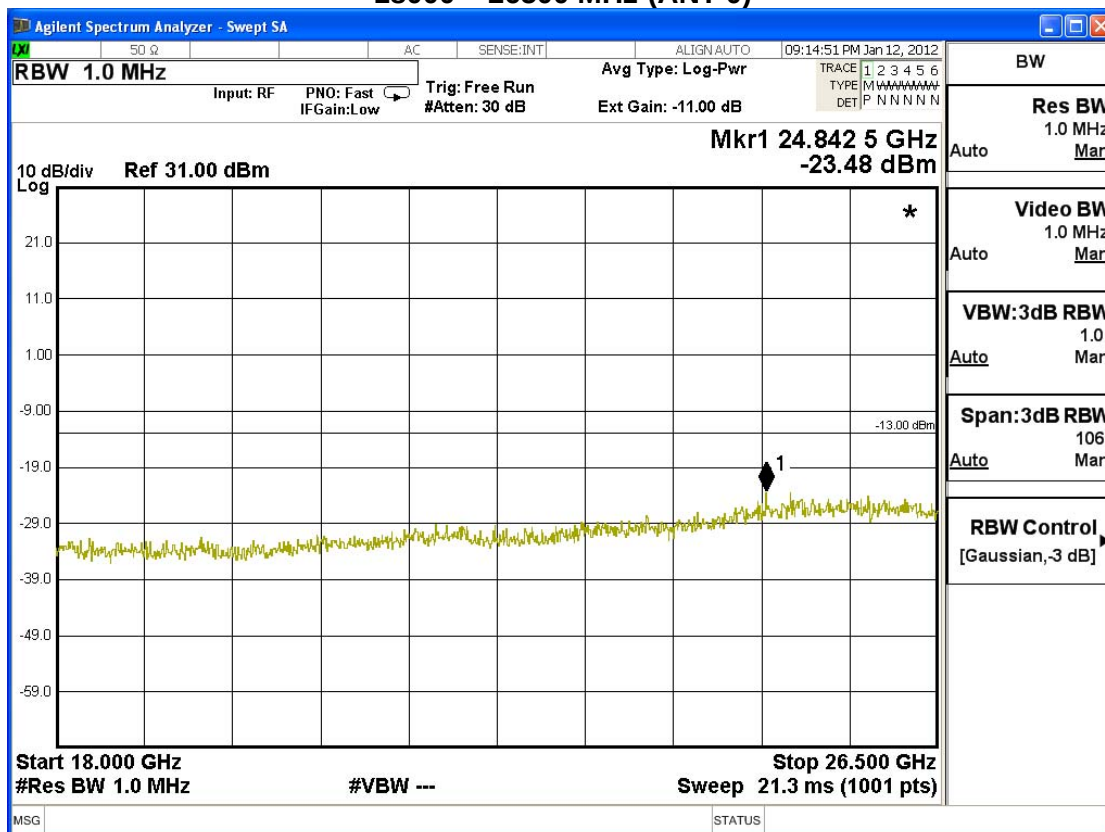
The search value is under the technical standard value, do not need to measure by measuring mode.

6000 – 18000 MHz-(ANT 0)



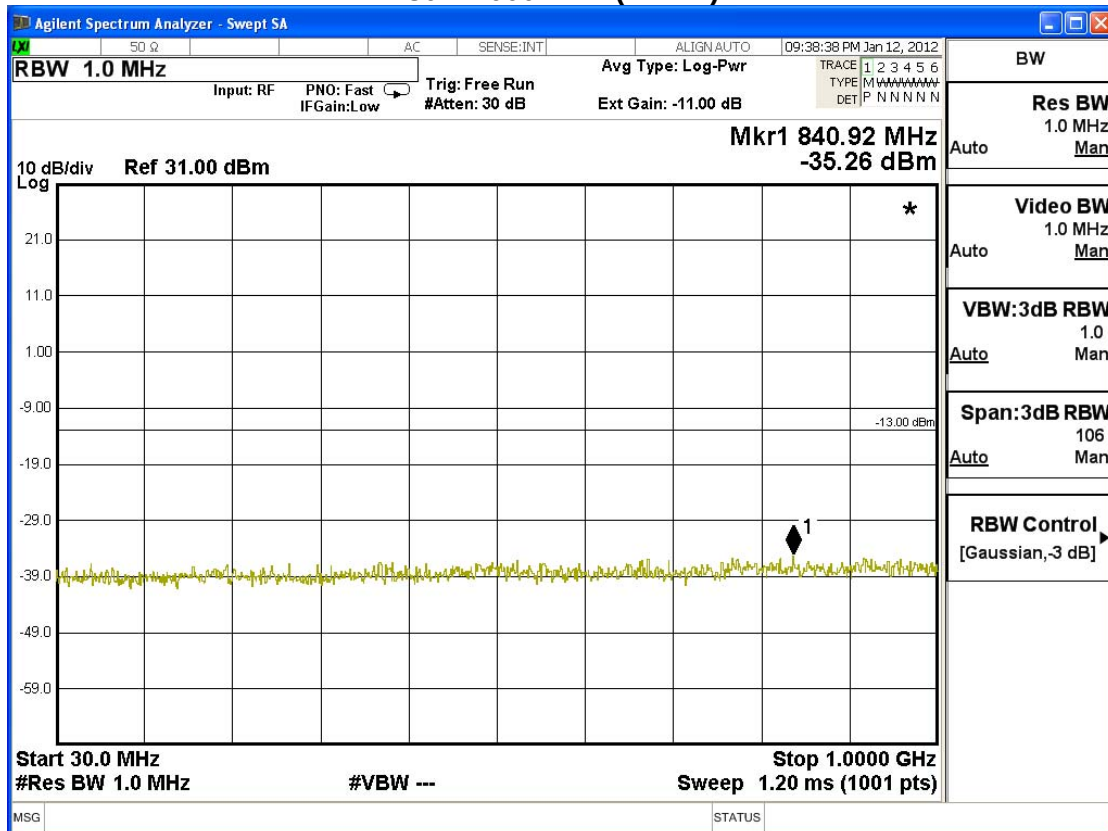
The search value is under the technical standard value, do not need to measure by measuring mode.

18000 – 26500 MHz-(ANT 0)



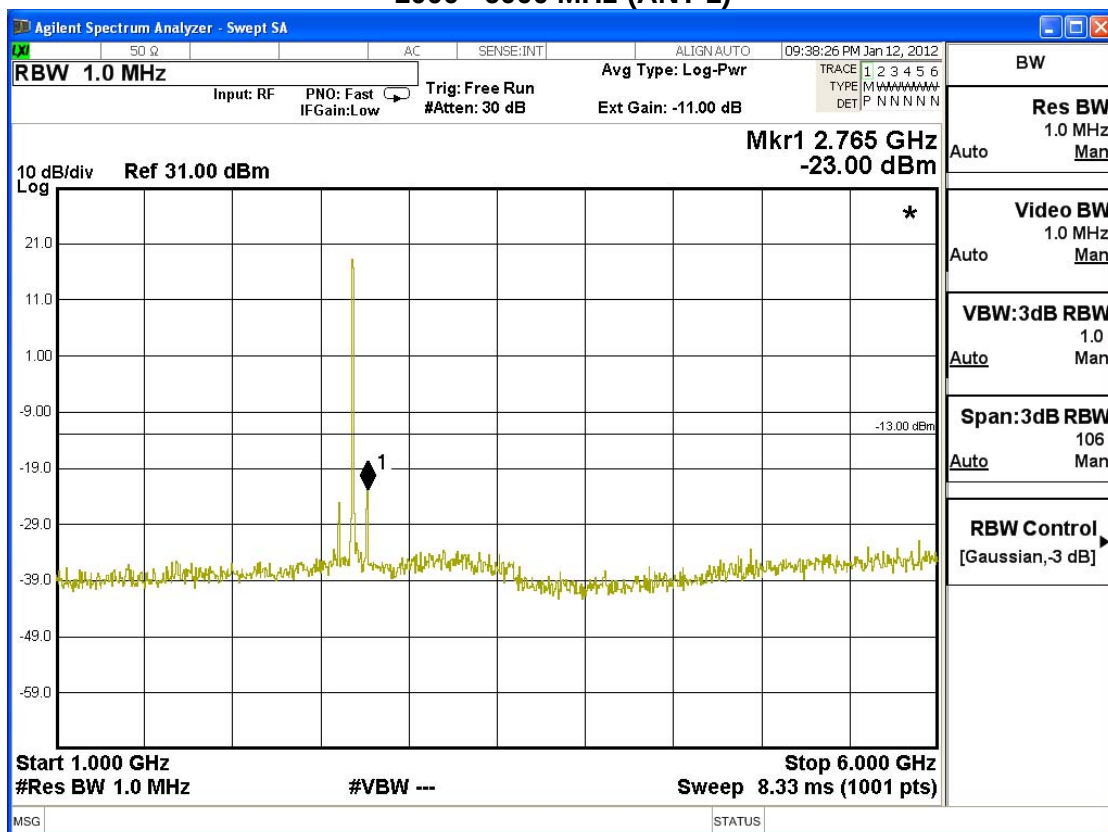
The search value is under the technical standard value, do not need to measure by measuring mode.

30 – 1000 MHz-(ANT 1)



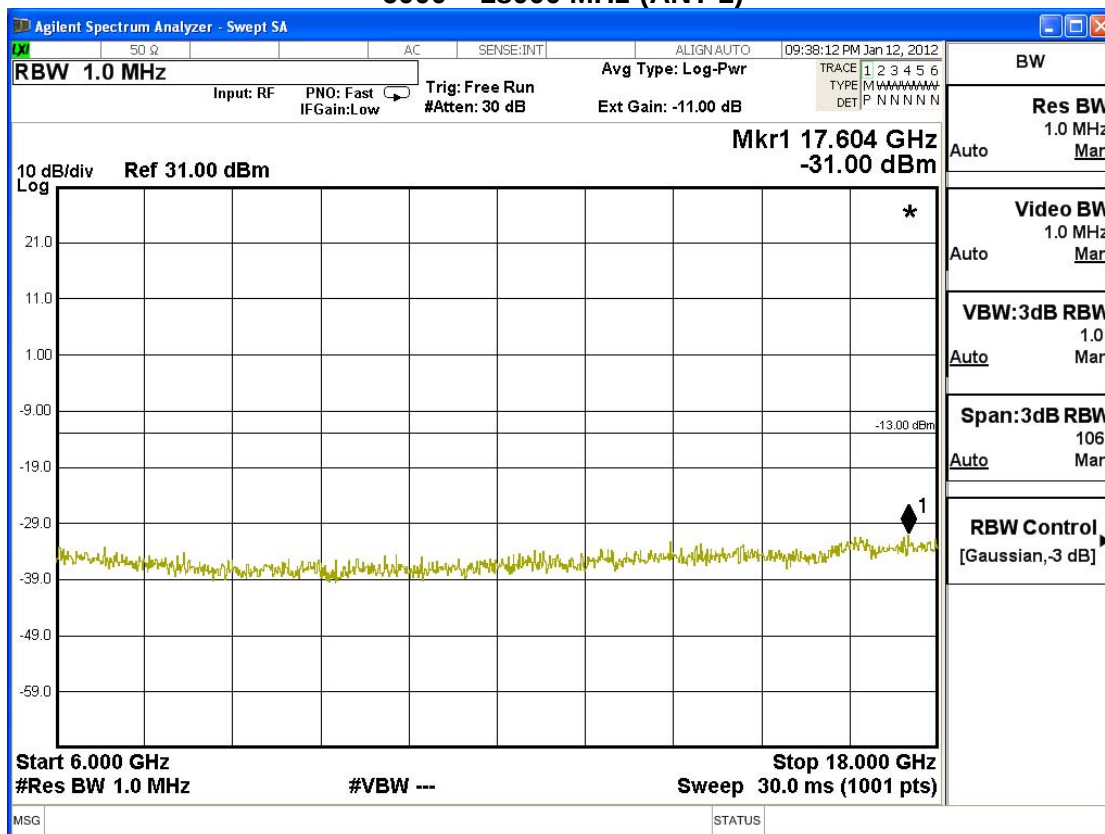
The search value is under the technical standard value, do not need to measure by measuring mode.

1000– 6000 MHz-(ANT 1)



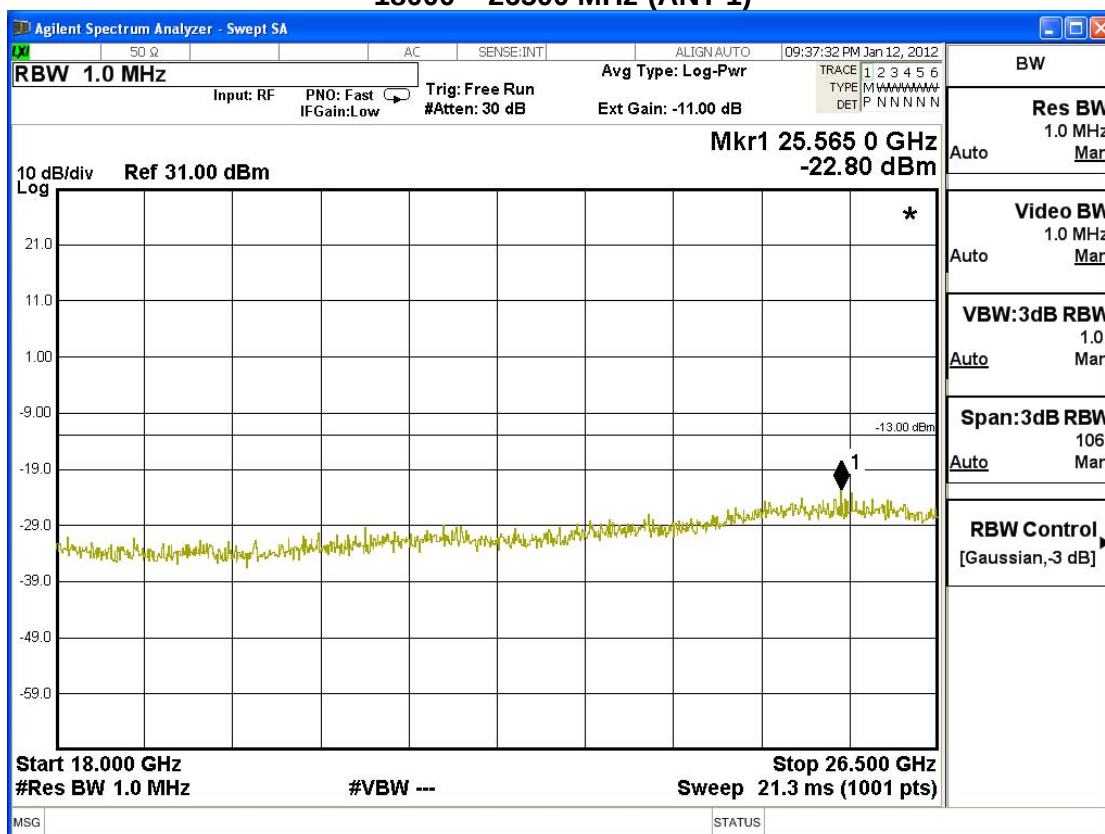
The search value is under the technical standard value, do not need to measure by measuring mode.

6000 – 18000 MHz-(ANT 1)



The search value is under the technical standard value, do not need to measure by measuring mode.

18000 – 26500 MHz-(ANT 1)



The search value is under the technical standard value, do not need to measure by measuring mode.

6. Radiated Spurious Emission

6.1. Test Equipment

The following test equipments are used during the test:

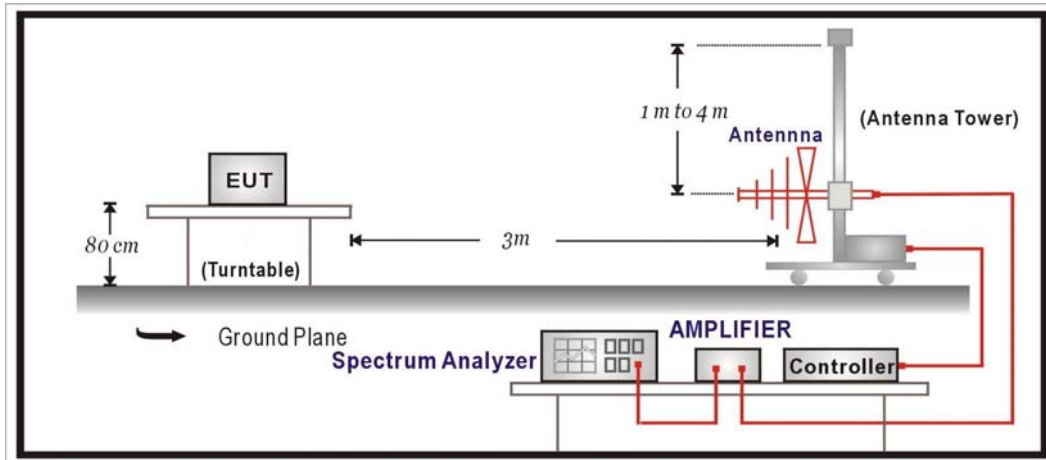
Radiated Spurious Emission / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Bilog Antenna	SCHAFFNER	CBL6112B	2895	2013/08/14
Double Ridged Guide Horn Antenna	Schwarzback	BBHA 9120D	743	2014/02/17
Pre-Amplifier	MITEQ	AMF-4D-005180-24-10P	888003	2013/12/02
Pre-Amplifier	QuieTek	AP-025C	CHM-0706049	2014/02/19
Spectrum Analyzer	Agilent	E4440A	MY46187335	2014/01/27
Coaxial Cable	Huber+Suhner AG	Sucoflex 102	25623/2	2013/03/04

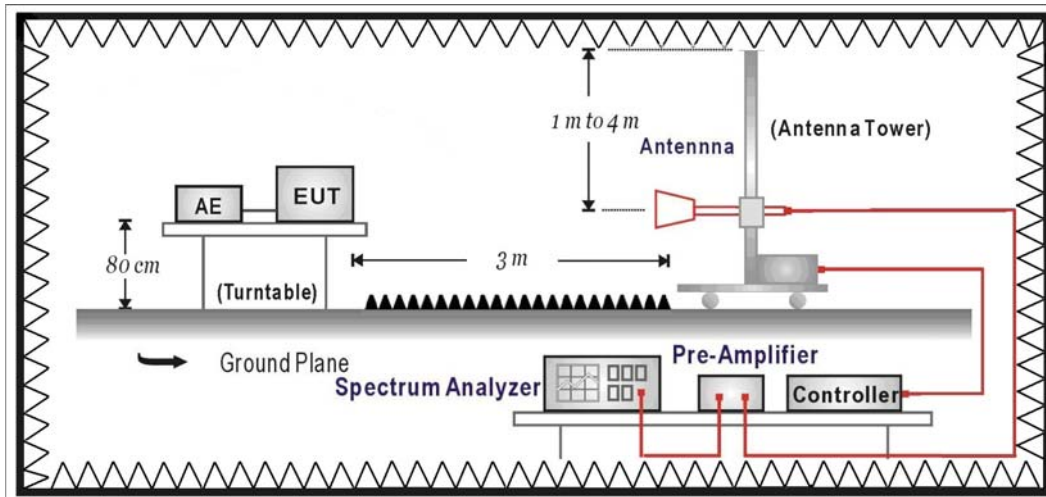
Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

6.2. Test Setup

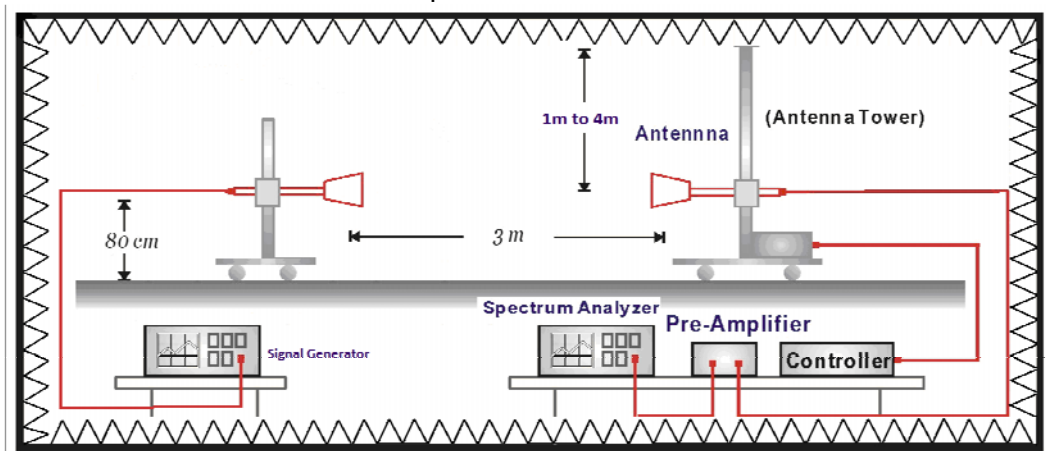
Under 1GHz Test Setup:



Above 1GHz Test Setup: RF Radiated Measurement:



Substitution Measurement Setup:



Measured Level= Signal Generator-Cable Loss + Antenna Gain

6.3. Limits

- (1) Fixed and Temporary Fixed Digital Stations: not less than $43 + \log (P)$ dB.
 (2) Mobile Digital Stations: not less than $43 + \log (P)$ dB at the channel edge and $55 + \log (P)$ dB at 5.5 MHz from the channel edges.

Calculation:

Assume the EUT Output Power is 2 W = 33 dBm

$43 + \log (P)$ dB

$43 + \log (2) = 46$ dB

$33 \text{ dBm} - 46 \text{ dB} = -13 \text{ dBm}$

$55 + \log (2) = 58$ dB

$33 \text{ dBm} - 58 \text{ dB} = -25 \text{ dBm}$

6.4. 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:

$\text{E.I.R.P} = \text{Reading Level} + \text{Correct Factor} = \text{S.G.} - \text{Cable Loss} + \text{Antenna Gain}$

6.5. Uncertainty

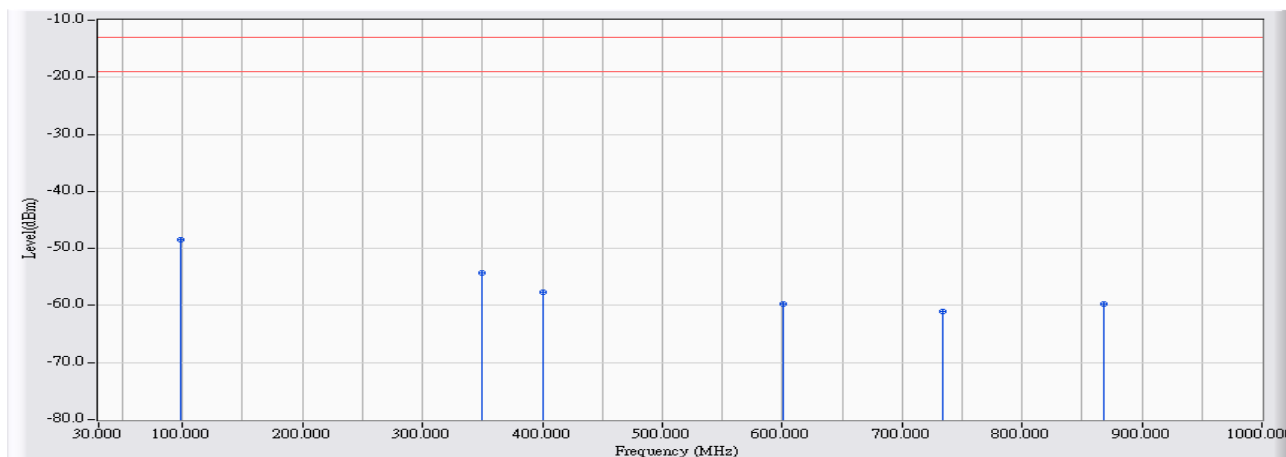
The measurement uncertainty

30MHz~1GHz as $\pm 3.19\text{dB}$

1GHz~27GHz as $\pm 3.9\text{dB}$

6.6. Test Result

Site : CB1	Time : 2012/02/01 - 09:31
Limit : PART90(WiMAX)_00M_PK	Margin : 6
Probe : CB1_CE_Sub_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : CBS 2.5GHz	Note : Mode 1: Transmit (3.5MHz BW_64QAM-2/3)

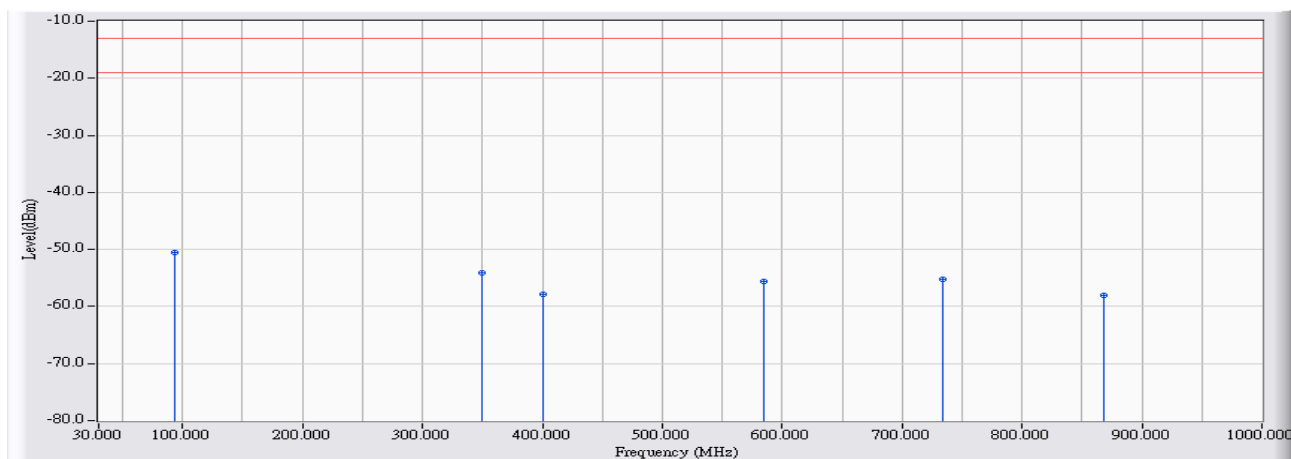


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measured Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	*	97.900	2.185	-50.739	-48.554	-35.554	-13.000	PEAK
2		350.100	0.659	-55.043	-54.383	-41.383	-13.000	PEAK
3		400.540	2.934	-60.566	-57.633	-44.633	-13.000	PEAK
4		600.360	6.744	-66.460	-59.716	-46.716	-13.000	PEAK
5		734.220	7.743	-68.796	-61.053	-48.053	-13.000	PEAK
6		868.080	8.222	-67.942	-59.720	-46.720	-13.000	PEAK

Note:

1. All Reading Levels are Peak Value.
2. “ * ”, means this data is the worst emission level.
3. Measured Level= Reading Level + Correct Factor

Site : CB1	Time : 2012/02/01 - 09:31
Limit : PART90(WiMAX)_00M_PK	Margin : 6
Probe : CB1_CE_Sub_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : CBS 2.5GHz	Note : Mode 1: Transmit (3.5MHz BW_64QAM-2/3)

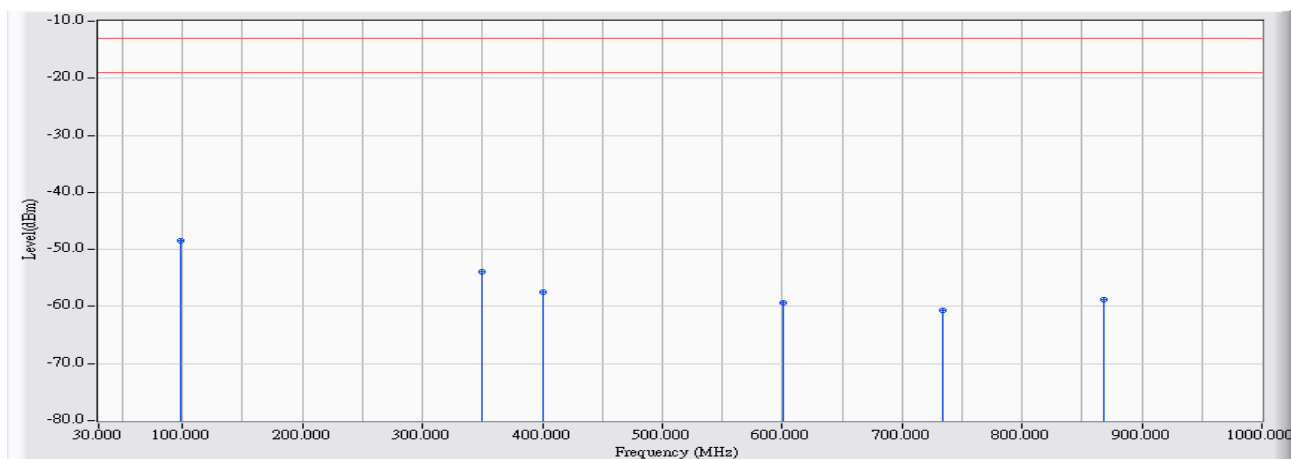


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measured Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	*	94.020	2.941	-53.389	-50.448	-37.448	-13.000	PEAK
2		350.100	3.398	-57.462	-54.063	-41.063	-13.000	PEAK
3		400.540	4.651	-62.441	-57.790	-44.790	-13.000	PEAK
4		584.840	7.420	-63.087	-55.667	-42.667	-13.000	PEAK
5		734.220	8.878	-64.161	-55.283	-42.283	-13.000	PEAK
6		868.080	8.961	-67.044	-58.083	-45.083	-13.000	PEAK

Note:

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

Site : CB1	Time : 2012/02/01 - 09:29
Limit : PART90(WiMAX)_00M_PK	Margin : 6
Probe : CB1_CE_Sub_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : CBS 2.5GHz	Note : Mode 2: Transmit (5MHz BW_ QPSK-1/2)

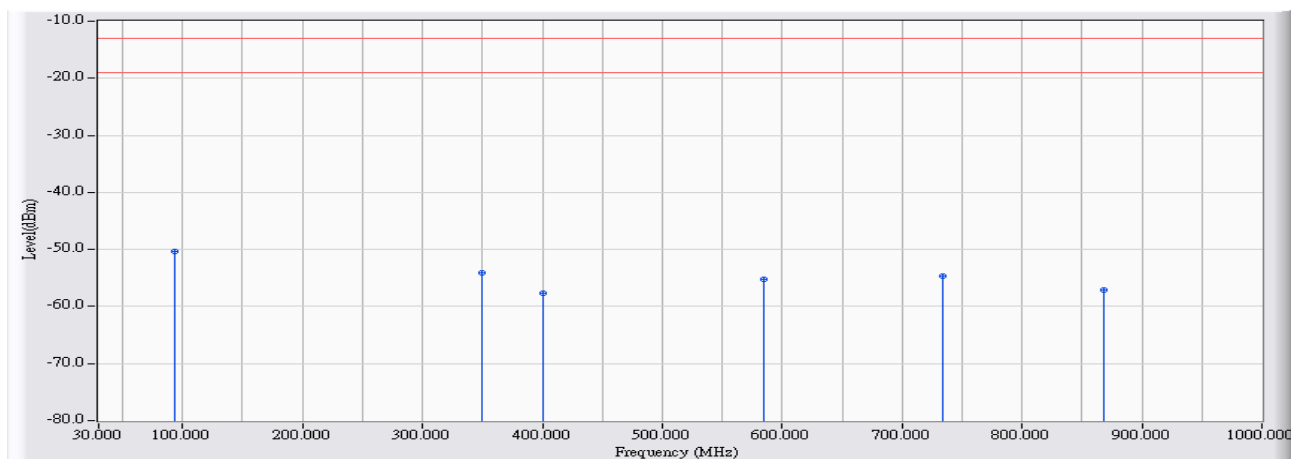


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measured Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	*	97.900	2.185	-50.625	-48.440	-35.440	-13.000	PEAK
2		350.100	0.659	-54.496	-53.836	-40.836	-13.000	PEAK
3		400.540	2.934	-60.438	-57.505	-44.505	-13.000	PEAK
4		600.360	6.744	-66.062	-59.318	-46.318	-13.000	PEAK
5		734.220	7.743	-68.334	-60.591	-47.591	-13.000	PEAK
6		868.080	8.222	-66.973	-58.751	-45.751	-13.000	PEAK

Note:

1. All Reading Levels are Peak Value.
2. “ * ”, means this data is the worst emission level.
3. Measured Level= Reading Level + Correct Factor

Site : CB1	Time : 2012/02/01 - 09:28
Limit : PART90(WiMAX)_00M_PK	Margin : 6
Probe : CB1_CE_Sub_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : CBS 2.5GHz	Note : Mode 2: Transmit (5MHz BW_ QPSK-1/2)

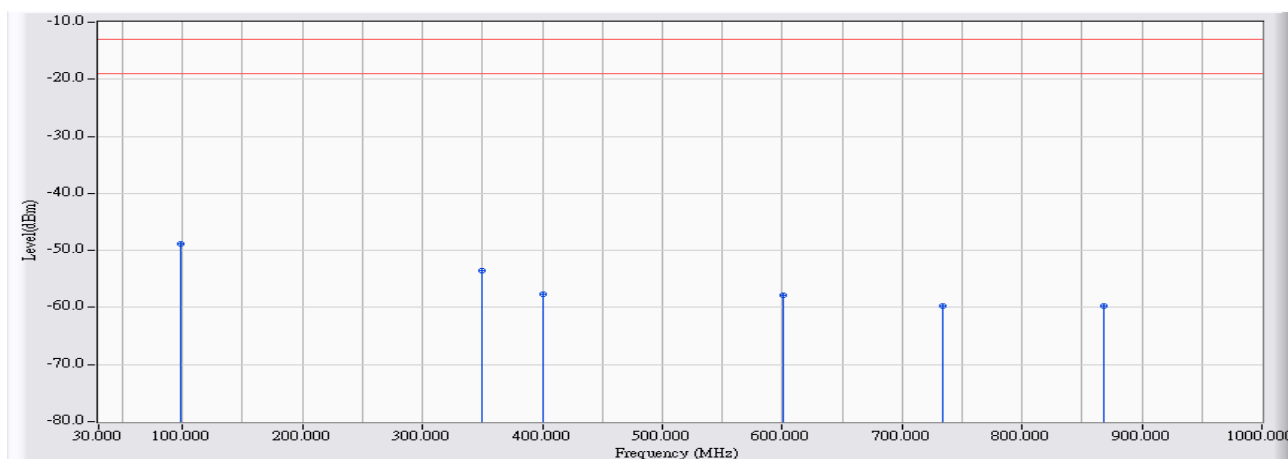


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measured Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	*	94.020	2.941	-53.201	-50.260	-37.260	-13.000	PEAK
2		350.100	3.398	-57.424	-54.025	-41.025	-13.000	PEAK
3		400.540	4.651	-62.354	-57.703	-44.703	-13.000	PEAK
4		584.840	7.420	-62.591	-55.171	-42.171	-13.000	PEAK
5		734.220	8.878	-63.539	-54.661	-41.661	-13.000	PEAK
6		868.080	8.961	-66.129	-57.168	-44.168	-13.000	PEAK

Note:

1. All Reading Levels are Peak Value.
2. “ * ”, means this data is the worst emission level.
3. Measured Level= Reading Level + Correct Factor

Site : CB1	Time : 2012/02/01 - 09:28
Limit : PART90(WiMAX)_00M_PK	Margin : 6
Probe : CB1_CE_Sub_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : CBS 2.5GHz	Note : Mode 3: Transmit (7MHz BW_64QAM-2/3)

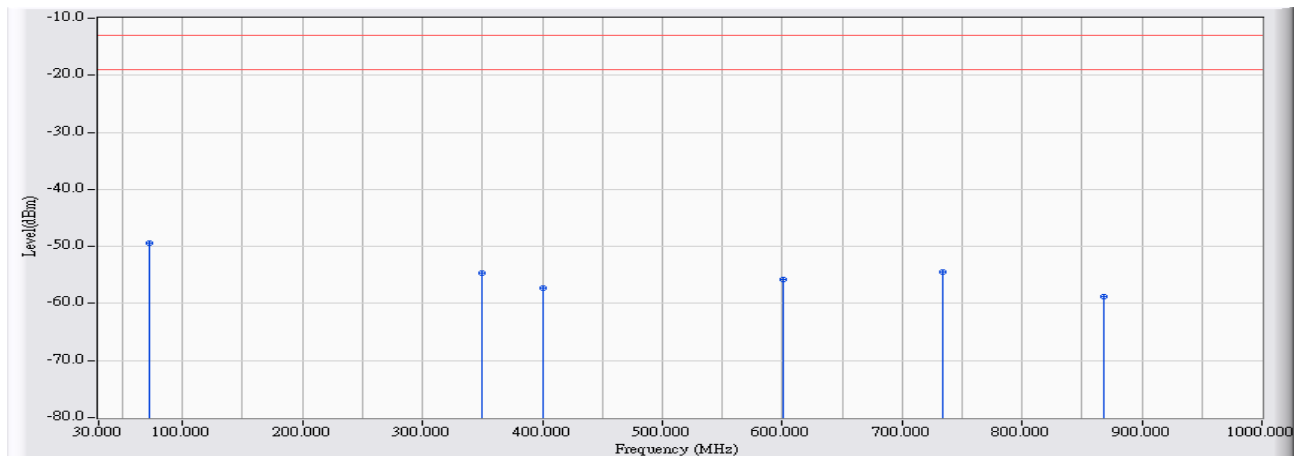


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measured Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	*	97.900	2.185	-51.000	-48.815	-35.815	-13.000	PEAK
2		350.100	0.659	-54.192	-53.532	-40.532	-13.000	PEAK
3		400.540	2.934	-60.555	-57.622	-44.622	-13.000	PEAK
4		600.360	6.744	-64.679	-57.935	-44.935	-13.000	PEAK
5		734.220	7.743	-67.499	-59.756	-46.756	-13.000	PEAK
6		868.080	8.222	-67.906	-59.684	-46.684	-13.000	PEAK

Note:

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

Site : CB1	Time : 2012/02/01 - 09:28
Limit : PART90(WiMAX)_00M_PK	Margin : 6
Probe : CB1_CE_Sub_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : CBS 2.5GHz	Note : Mode 3: Transmit (7MHz BW_64QAM-2/3)

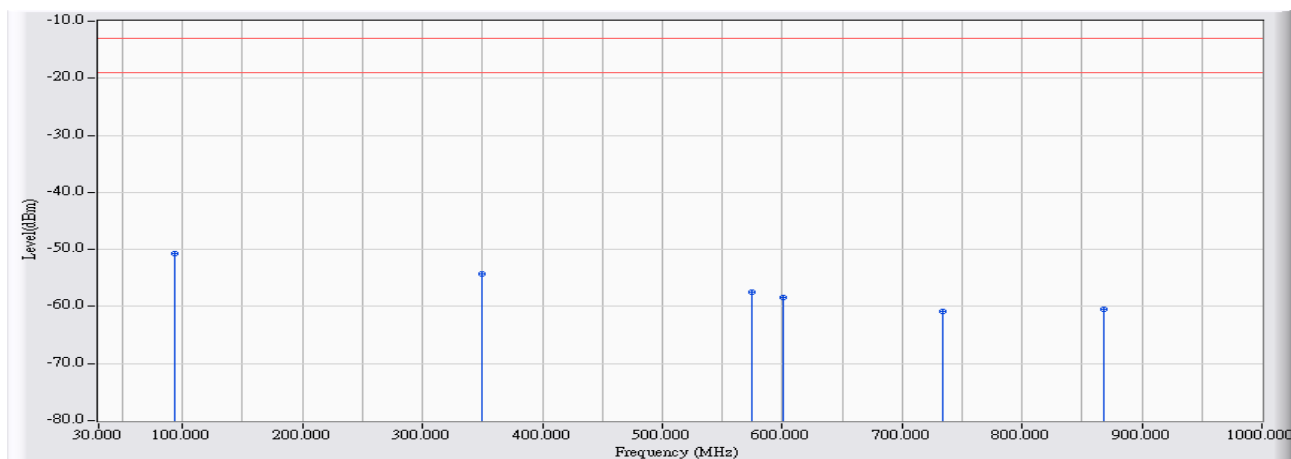


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measured Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	*	72.680	1.188	-50.647	-49.460	-36.460	-13.000	PEAK
2		350.100	3.398	-58.043	-54.644	-41.644	-13.000	PEAK
3		400.540	4.651	-61.862	-57.211	-44.211	-13.000	PEAK
4		600.360	7.534	-63.400	-55.866	-42.866	-13.000	PEAK
5		734.220	8.878	-63.358	-54.480	-41.480	-13.000	PEAK
6		868.080	8.961	-67.715	-58.754	-45.754	-13.000	PEAK

Note:

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

Site : CB1	Time : 2012/02/01 - 09:27
Limit : PART90(WiMAX)_00M_PK	Margin : 6
Probe : CB1_CE_Sub_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : CBS 2.5GHz	Note : Mode 4: Transmit (10MHz BW_64QAM-2/3)

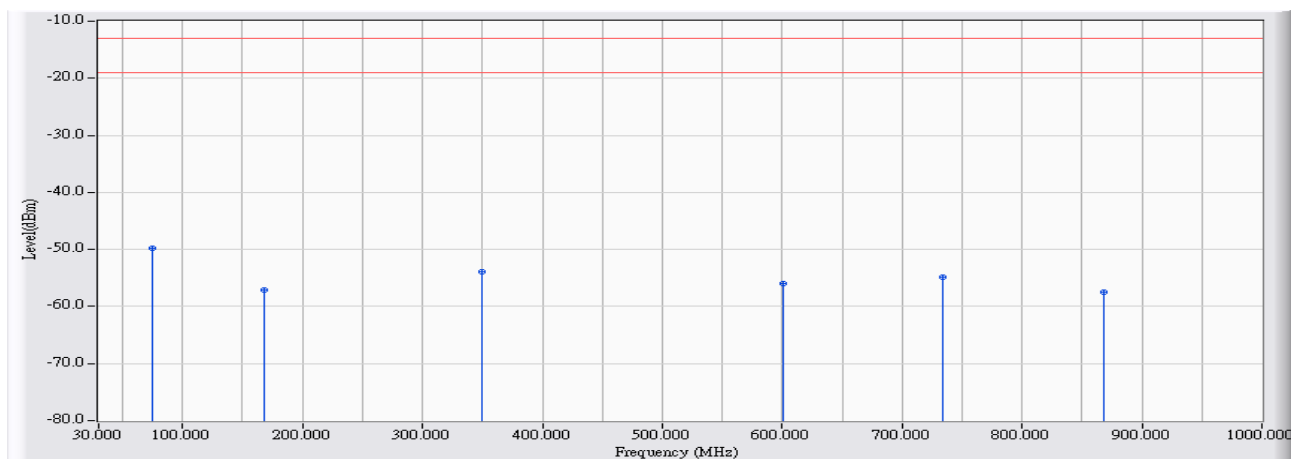


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measured Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	*	94.020	2.371	-53.076	-50.706	-37.706	-13.000	PEAK
2		350.100	0.659	-54.976	-54.316	-41.316	-13.000	PEAK
3		575.140	6.797	-64.265	-57.468	-44.468	-13.000	PEAK
4		600.360	6.744	-65.080	-58.336	-45.336	-13.000	PEAK
5		734.220	7.743	-68.508	-60.765	-47.765	-13.000	PEAK
6		868.080	8.222	-68.724	-60.502	-47.502	-13.000	PEAK

Note:

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

Site : CB1	Time : 2012/02/01 - 09:26
Limit : PART90(WiMAX)_00M_PK	Margin : 6
Probe : CB1_CE_Sub_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : CBS 2.5GHz	Note : Mode 4: Transmit (10MHz BW_64QAM-2/3)



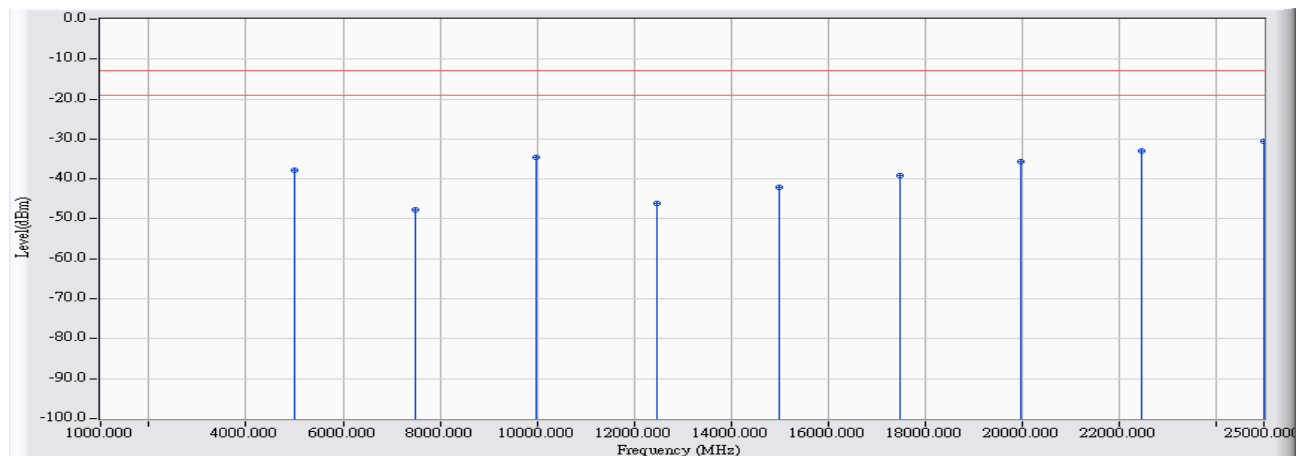
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measured Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	*	74.620	0.822	-50.658	-49.836	-36.836	-13.000	PEAK
2		167.740	0.076	-57.129	-57.053	-44.053	-13.000	PEAK
3		350.100	3.398	-57.350	-53.951	-40.951	-13.000	PEAK
4		600.360	7.534	-63.536	-56.002	-43.002	-13.000	PEAK
5		734.220	8.878	-63.807	-54.929	-41.929	-13.000	PEAK
6		868.080	8.961	-66.390	-57.429	-44.429	-13.000	PEAK

Note:

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

1 GHz – 26 GHz Spurious:

Site : CB1	Time : 2012/01/30 - 20:02
Limit : PART90(WiMAX)_00M_PK	Margin : 6
Probe : CB1_CE_Sub_1-18G-1-0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : CBS 2.5GHz	Note : Mode 1: Transmit (3.5MHz BW_64QAM-2/3) -2497.75MHz

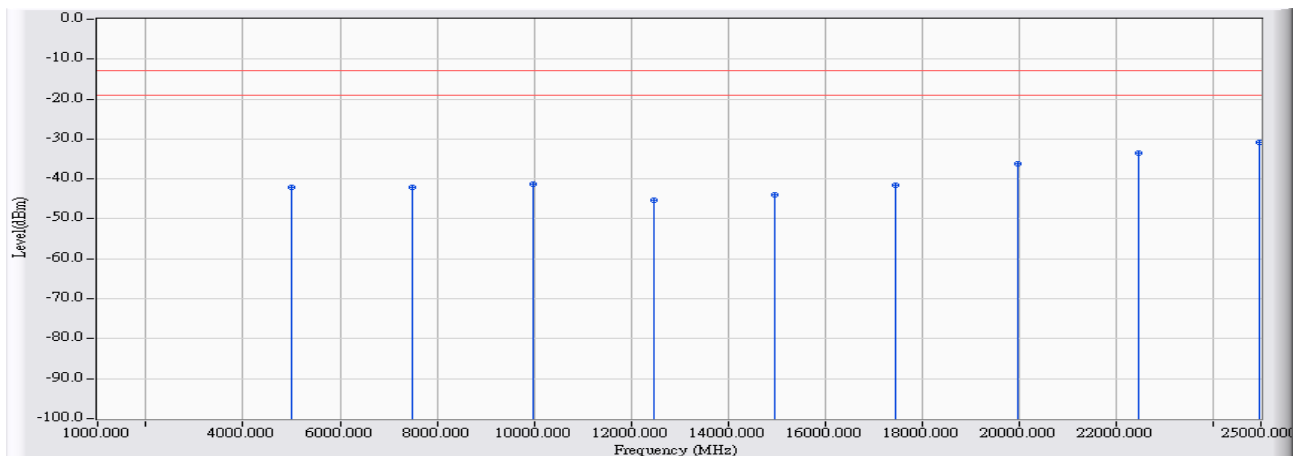


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measured Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		4997.040	14.675	-52.470	-37.794	-24.794	-13.000	PEAK
2		7492.690	21.007	-68.825	-47.818	-34.818	-13.000	PEAK
3		9991.040	22.074	-56.615	-34.542	-21.542	-13.000	PEAK
4		12483.410	24.262	-70.428	-46.165	-33.165	-13.000	PEAK
5		14991.340	28.448	-70.524	-42.076	-29.076	-13.000	PEAK
6		17488.370	32.097	-71.254	-39.156	-26.156	-13.000	PEAK
7		19984.200	36.690	-72.431	-35.741	-22.741	-13.000	PEAK
8		22478.430	36.690	-69.656	-32.966	-19.966	-13.000	PEAK
9	*	24985.620	36.650	-67.222	-30.572	-17.572	-13.000	PEAK

Note:

1. All Reading Levels are Peak Value.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. “ * ”, means this data is the worst emission level.
4. Measured Level= Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/30 - 19:57
Limit : PART90(WiMAX)_00M_PK	Margin : 6
Probe : CB1_CE_Sub_1-18G-1-0901 - VERTICAL	Power : AC 120V/60Hz
EUT : CBS 2.5GHz	Note : Mode 1: Transmit (3.5MHz BW_64QAM-2/3) -2497.75MHz

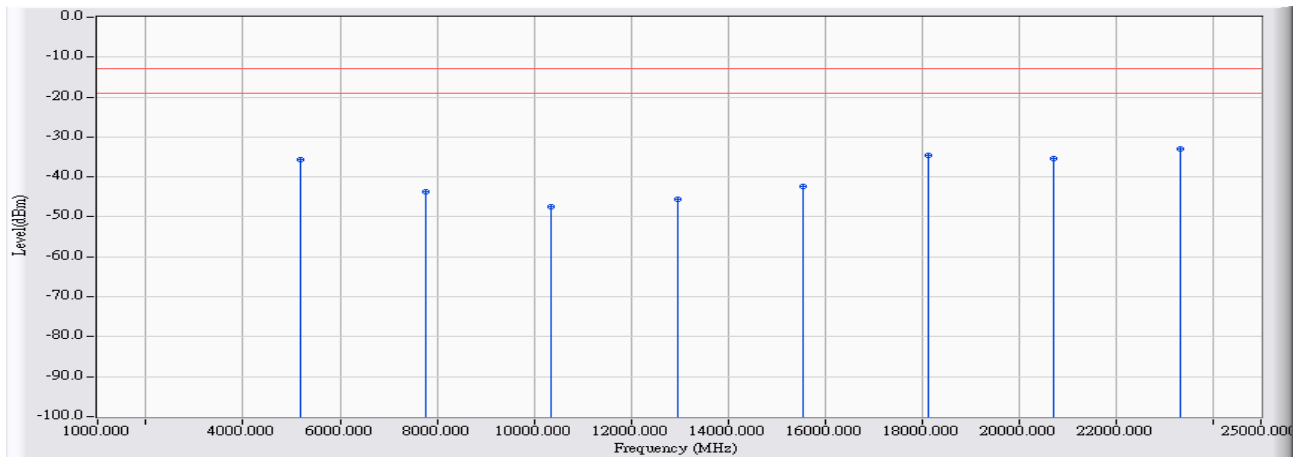


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measured Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		4996.940	14.305	-56.323	-42.018	-29.018	-13.000	PEAK
2		7492.570	21.102	-63.142	-42.040	-29.040	-13.000	PEAK
3		9994.080	22.854	-64.020	-41.166	-28.166	-13.000	PEAK
4		12489.770	25.976	-71.205	-45.229	-32.229	-13.000	PEAK
5		14978.900	26.468	-70.517	-44.050	-31.050	-13.000	PEAK
6		17476.110	29.553	-71.034	-41.481	-28.481	-13.000	PEAK
7		19984.000	36.650	-72.825	-36.175	-23.175	-13.000	PEAK
8		22484.690	36.650	-70.178	-33.528	-20.528	-13.000	PEAK
9	*	24975.960	36.650	-67.597	-30.947	-17.947	-13.000	PEAK

Note:

1. All Reading Levels are Peak Value.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. " * ", means this data is the worst emission level.
4. Measured Level= Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/30 - 20:11
Limit : PART90(WiMAX)_00M_PK	Margin : 6
Probe : CB1_CE_Sub_1-18G-1-0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : CBS 2.5GHz	Note : Mode 1: Transmit (3.5MHz BW_64QAM-2/3) -2593MHz

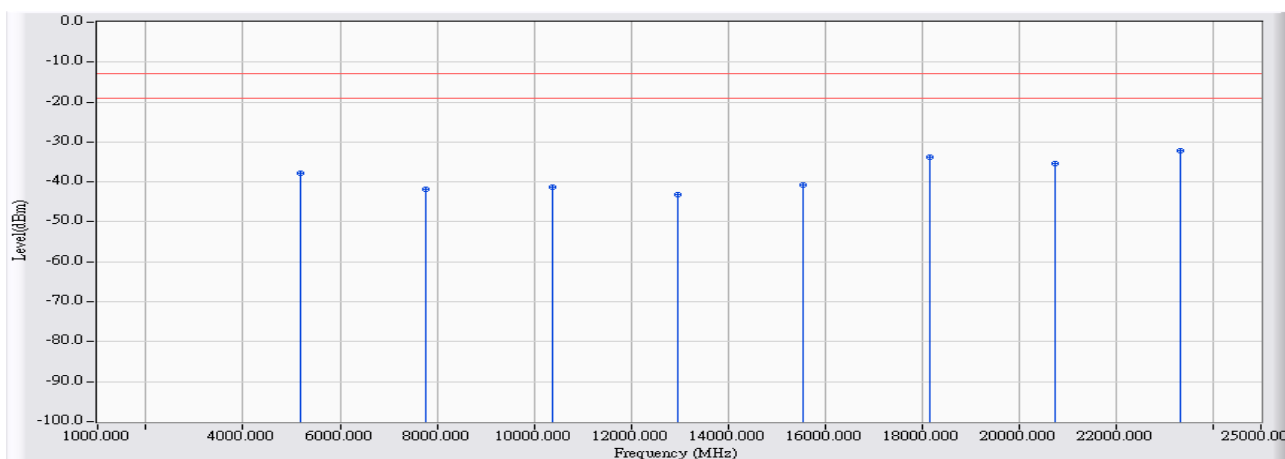


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measured Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		5187.900	14.743	-50.356	-35.613	-22.613	-13.000	PEAK
2		7778.900	21.762	-65.389	-43.627	-30.627	-13.000	PEAK
3		10365.940	21.941	-69.310	-47.369	-34.369	-13.000	PEAK
4		12964.820	26.114	-71.786	-45.673	-32.673	-13.000	PEAK
5		15557.340	28.400	-70.832	-42.432	-29.432	-13.000	PEAK
6		18152.740	36.690	-71.158	-34.468	-21.468	-13.000	PEAK
7		20738.320	36.690	-72.100	-35.410	-22.410	-13.000	PEAK
8	*	23332.020	36.690	-69.576	-32.886	-19.886	-13.000	PEAK

Note:

1. All Reading Levels are Peak Value.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. " * ", means this data is the worst emission level.
4. Measured Level= Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/30 - 20:08
Limit : PART90(WiMAX)_00M_PK	Margin : 6
Probe : CB1_CE_Sub_1-18G-1-0901 - VERTICAL	Power : AC 120V/60Hz
EUT : CBS 2.5GHz	Note : Mode 1: Transmit (3.5MHz BW_64QAM-2/3) -2593MHz

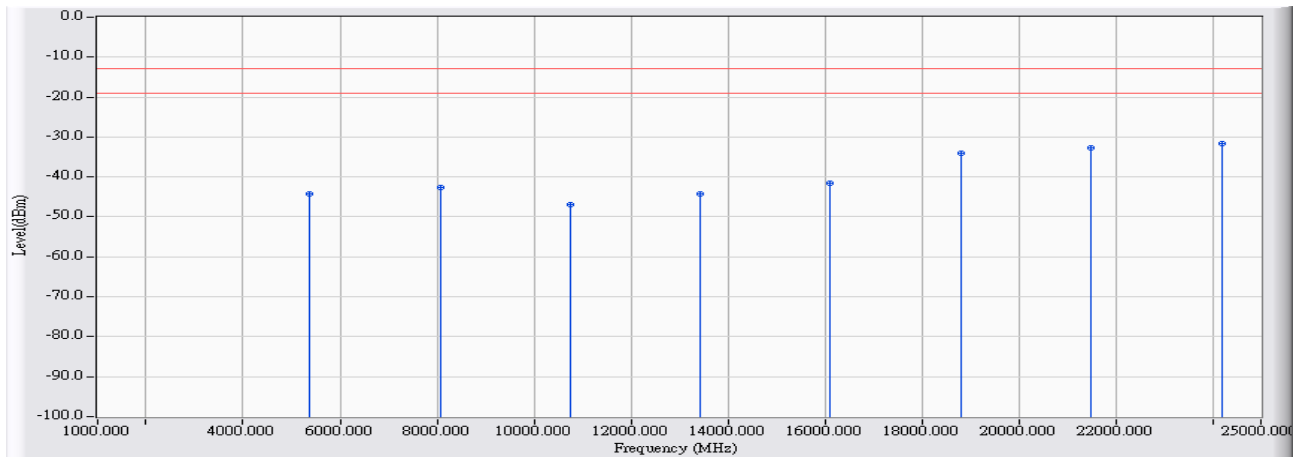


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measured Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		5187.800	14.455	-52.234	-37.779	-24.779	-13.000	PEAK
2		7779.320	21.402	-63.167	-41.764	-28.764	-13.000	PEAK
3		10372.060	21.570	-62.730	-41.160	-28.160	-13.000	PEAK
4		12967.560	27.310	-70.418	-43.108	-30.108	-13.000	PEAK
5		15562.940	29.082	-69.908	-40.826	-27.826	-13.000	PEAK
6		18154.520	36.650	-70.516	-33.866	-20.866	-13.000	PEAK
7		20746.080	36.650	-71.932	-35.282	-22.282	-13.000	PEAK
8	*	23336.740	36.650	-68.936	-32.286	-19.286	-13.000	PEAK

Note:

1. All Reading Levels are Peak Value.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. “ * ”, means this data is the worst emission level.
4. Measured Level= Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/30 - 20:19
Limit : PART90(WiMAX)_00M_PK	Margin : 6
Probe : CB1_CE_Sub_1-18G-1-0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : CBS 2.5GHz	Note : Mode 1: Transmit (3.5MHz BW_64QAM-2/3) -2688.25MHz

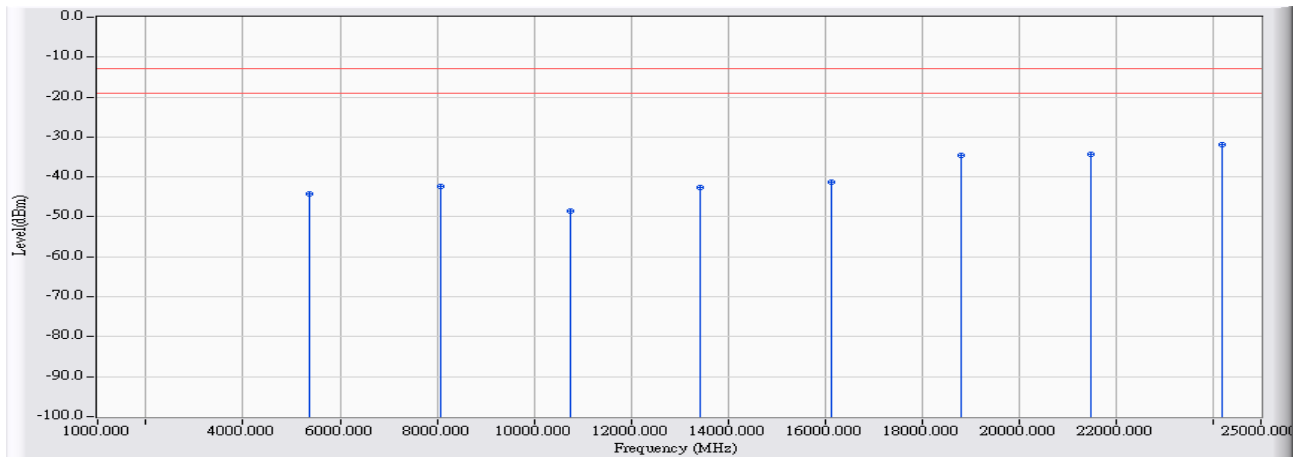


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measured Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		5378.160	14.796	-58.907	-44.111	-31.111	-13.000	PEAK
2		8064.870	22.200	-64.865	-42.665	-29.665	-13.000	PEAK
3		10748.080	22.227	-69.069	-46.842	-33.842	-13.000	PEAK
4		13445.950	26.670	-71.014	-44.345	-31.345	-13.000	PEAK
5		16122.720	29.575	-71.142	-41.567	-28.567	-13.000	PEAK
6		18819.190	36.690	-70.697	-34.007	-21.007	-13.000	PEAK
7		21496.600	36.690	-69.504	-32.814	-19.814	-13.000	PEAK
8	*	24191.170	36.690	-68.434	-31.744	-18.744	-13.000	PEAK

Note:

1. All Reading Levels are Peak Value.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. " * ", means this data is the worst emission level.
4. Measured Level= Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/30 - 20:15
Limit : PART90(WiMAX)_00M_PK	Margin : 6
Probe : CB1_CE_Sub_1-18G-1-0901 - VERTICAL	Power : AC 120V/60Hz
EUT : CBS 2.5GHz	Note : Mode 1: Transmit (3.5MHz BW_64QAM-2/3) -2688.25MHz

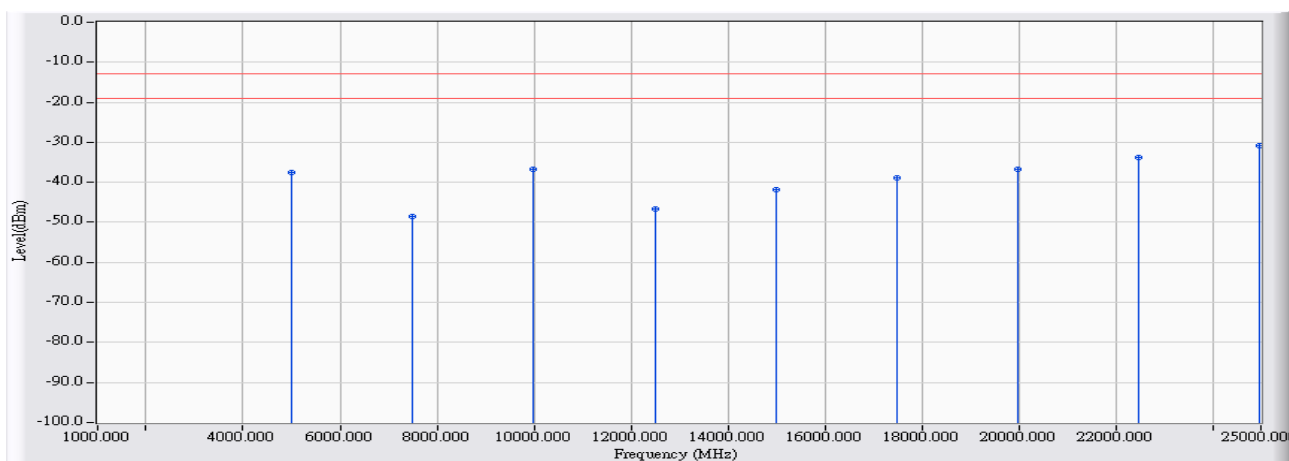


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measured Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		5376.880	14.591	-58.837	-44.246	-31.246	-13.000	PEAK
2		8063.870	21.557	-63.830	-42.274	-29.274	-13.000	PEAK
3		10760.200	21.146	-69.634	-48.488	-35.488	-13.000	PEAK
4		13441.310	28.283	-70.848	-42.565	-29.565	-13.000	PEAK
5		16125.640	29.447	-70.822	-41.376	-28.376	-13.000	PEAK
6		18825.890	36.650	-71.208	-34.558	-21.558	-13.000	PEAK
7		21505.540	36.650	-70.950	-34.300	-21.300	-13.000	PEAK
8	*	24197.230	36.650	-68.532	-31.882	-18.882	-13.000	PEAK

Note:

1. All Reading Levels are Peak Value.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. “ * ”, means this data is the worst emission level.
4. Measured Level= Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/30 - 20:30
Limit : PART90(WiMAX)_00M_PK	Margin : 6
Probe : CB1_CE_Sub_1-18G-1-0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : CBS 2.5GHz	Note : Mode 2: Transmit (5MHz BW_ QPSK-1/2) -2498.5MHz

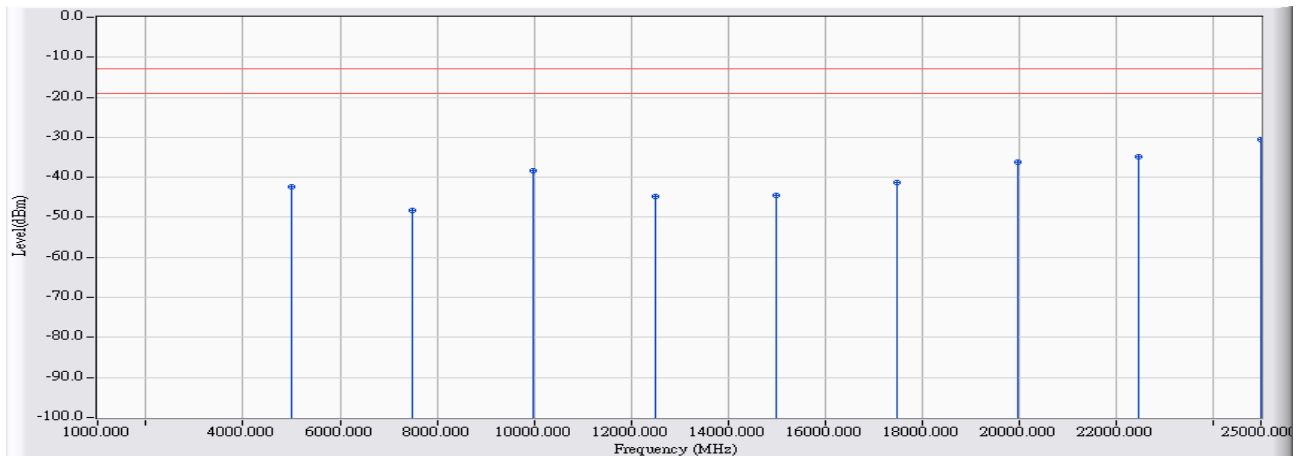


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measured Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	4998.340	14.678	-52.278	-37.601	-24.601	-13.000	PEAK
2	7498.120	21.018	-69.639	-48.620	-35.620	-13.000	PEAK
3	9993.920	22.075	-58.932	-36.857	-23.857	-13.000	PEAK
4	12499.340	24.312	-70.903	-46.591	-33.591	-13.000	PEAK
5	14992.760	28.451	-70.230	-41.778	-28.778	-13.000	PEAK
6	17494.480	32.112	-71.072	-38.960	-25.960	-13.000	PEAK
7	19984.920	36.690	-73.483	-36.793	-23.793	-13.000	PEAK
8	22489.700	36.690	-70.536	-33.846	-20.846	-13.000	PEAK
9	* 24978.240	36.690	-67.468	-30.778	-17.778	-13.000	PEAK

Note:

1. All Reading Levels are Peak Value.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. " * ", means this data is the worst emission level.
4. Measured Level= Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/30 - 20:27
Limit : PART90(WiMAX)_00M_PK	Margin : 6
Probe : CB1_CE_Sub_1-18G-1-0901 - VERTICAL	Power : AC 120V/60Hz
EUT : CBS 2.5GHz	Note : Mode 2: Transmit (5MHz BW_ QPSK-1/2) -2498.5MHz

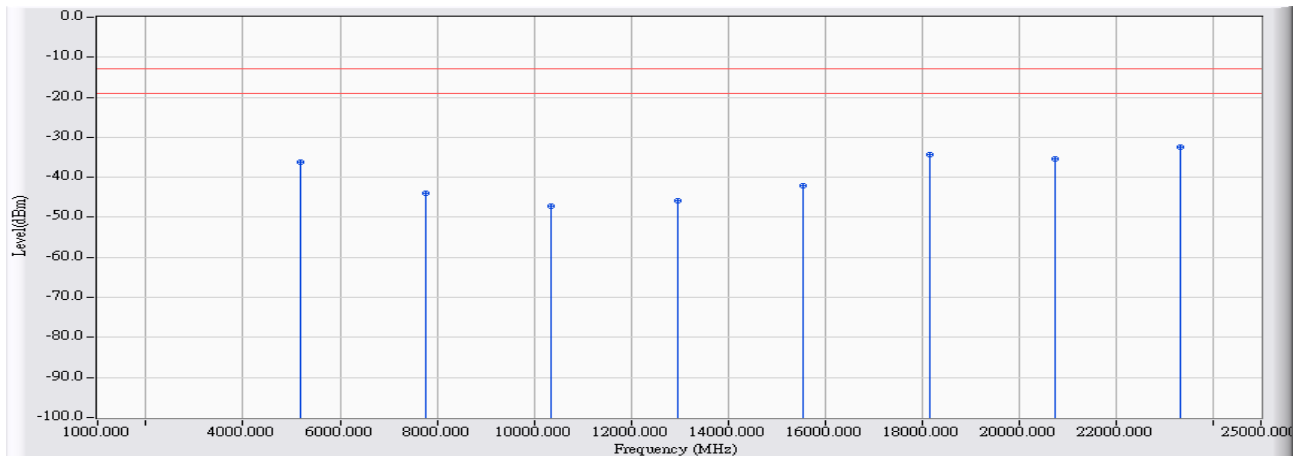


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measured Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	4999.420	14.309	-56.782	-42.473	-29.473	-13.000	PEAK
2	7492.700	21.102	-69.282	-48.180	-35.180	-13.000	PEAK
3	9993.000	22.856	-61.254	-38.398	-25.398	-13.000	PEAK
4	12500.300	26.008	-70.875	-44.866	-31.866	-13.000	PEAK
5	14992.960	26.529	-71.075	-44.545	-31.545	-13.000	PEAK
6	17488.240	29.496	-70.724	-41.228	-28.228	-13.000	PEAK
7	19980.000	36.650	-72.763	-36.113	-23.113	-13.000	PEAK
8	22480.340	36.650	-71.506	-34.856	-21.856	-13.000	PEAK
9	* 24987.580	36.650	-67.106	-30.456	-17.456	-13.000	PEAK

Note:

1. All Reading Levels are Peak Value.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. " * ", means this data is the worst emission level.
4. Measured Level= Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/30 - 20:38
Limit : PART90(WiMAX)_00M_PK	Margin : 6
Probe : CB1_CE_Sub_1-18G-1-0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : CBS 2.5GHz	Note : Mode 2: Transmit (5MHz BW_ QPSK-1/2) -2593MHz

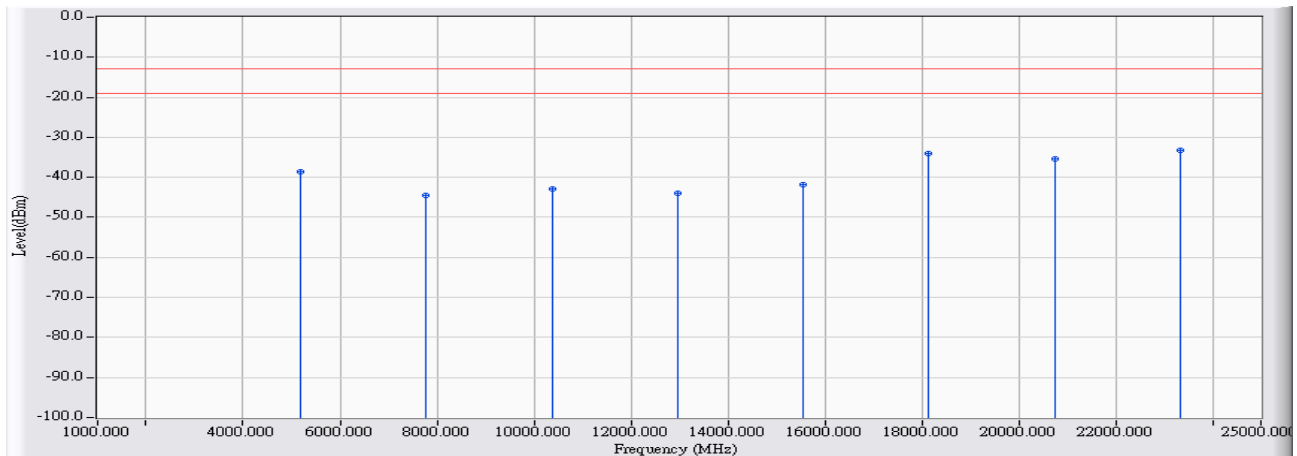


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measured Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	5187.040	14.743	-51.019	-36.277	-23.277	-13.000	PEAK
2	7783.080	21.772	-65.778	-44.005	-31.005	-13.000	PEAK
3	10365.520	21.941	-69.086	-47.145	-34.145	-13.000	PEAK
4	12956.880	26.083	-71.796	-45.713	-32.713	-13.000	PEAK
5	15563.280	28.404	-70.596	-42.193	-29.193	-13.000	PEAK
6	18156.020	36.690	-70.891	-34.201	-21.201	-13.000	PEAK
7	20740.320	36.690	-72.054	-35.364	-22.364	-13.000	PEAK
8	* 23336.780	36.690	-69.068	-32.378	-19.378	-13.000	PEAK

Note:

1. All Reading Levels are Peak Value.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. " * ", means this data is the worst emission level.
4. Measured Level= Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/30 - 20:35
Limit : PART90(WiMAX)_00M_PK	Margin : 6
Probe : CB1_CE_Sub_1-18G-1-0901 - VERTICAL	Power : AC 120V/60Hz
EUT : CBS 2.5GHz	Note : Mode 2: Transmit (5MHz BW_ QPSK-1/2) -2593MHz

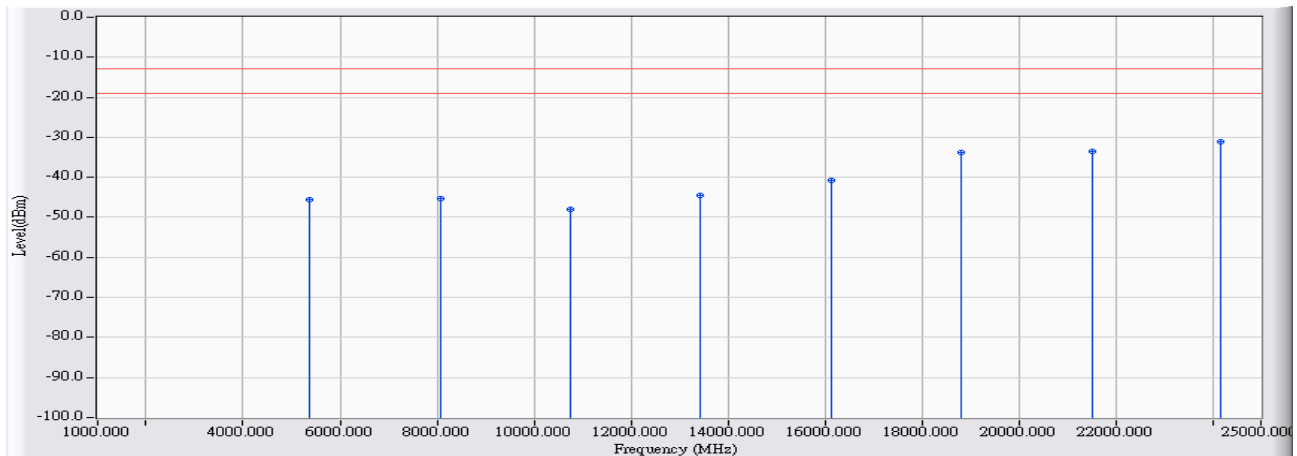


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measured Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		5188.480	14.456	-53.162	-38.706	-25.706	-13.000	PEAK
2		7782.260	21.405	-65.915	-44.510	-31.510	-13.000	PEAK
3		10371.920	21.571	-64.577	-43.006	-30.006	-13.000	PEAK
4		12959.560	27.288	-71.146	-43.858	-30.858	-13.000	PEAK
5		15557.720	29.092	-70.852	-41.760	-28.760	-13.000	PEAK
6		18143.020	36.650	-70.798	-34.148	-21.148	-13.000	PEAK
7		20741.840	36.650	-71.988	-35.338	-22.338	-13.000	PEAK
8	*	23341.520	36.650	-69.942	-33.292	-20.292	-13.000	PEAK

Note:

1. All Reading Levels are Peak Value.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. " * ", means this data is the worst emission level.
4. Measured Level= Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/30 - 20:44
Limit : PART90(WiMAX)_00M_PK	Margin : 6
Probe : CB1_CE_Sub_1-18G-1-0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : CBS 2.5GHz	Note : Mode 2: Transmit (5MHz BW_ QPSK-1/2) -2687.5MHz

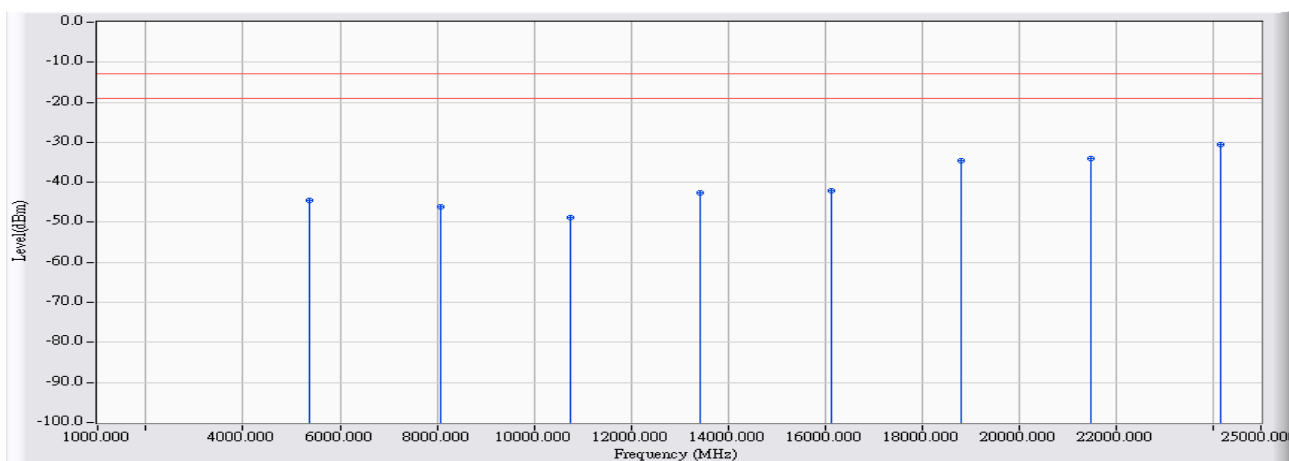


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measured Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	5377.360	14.795	-60.254	-45.458	-32.458	-13.000	PEAK
2	8062.420	22.205	-67.447	-45.242	-32.242	-13.000	PEAK
3	10749.580	22.229	-70.113	-47.884	-34.884	-13.000	PEAK
4	13443.400	26.667	-71.279	-44.612	-31.612	-13.000	PEAK
5	16124.220	29.587	-70.447	-40.861	-27.861	-13.000	PEAK
6	18804.760	36.690	-70.569	-33.879	-20.879	-13.000	PEAK
7	21508.060	36.690	-70.323	-33.633	-20.633	-13.000	PEAK
8	* 24184.280	36.690	-67.811	-31.121	-18.121	-13.000	PEAK

Note:

1. All Reading Levels are Peak Value.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. " * ", means this data is the worst emission level.
4. Measured Level= Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/30 - 20:42
Limit : PART90(WiMAX)_00M_PK	Margin : 6
Probe : CB1_CE_Sub_1-18G-1-0901 - VERTICAL	Power : AC 120V/60Hz
EUT : CBS 2.5GHz	Note : Mode 2: Transmit (5MHz BW_ QPSK-1/2) -2687.5MHz

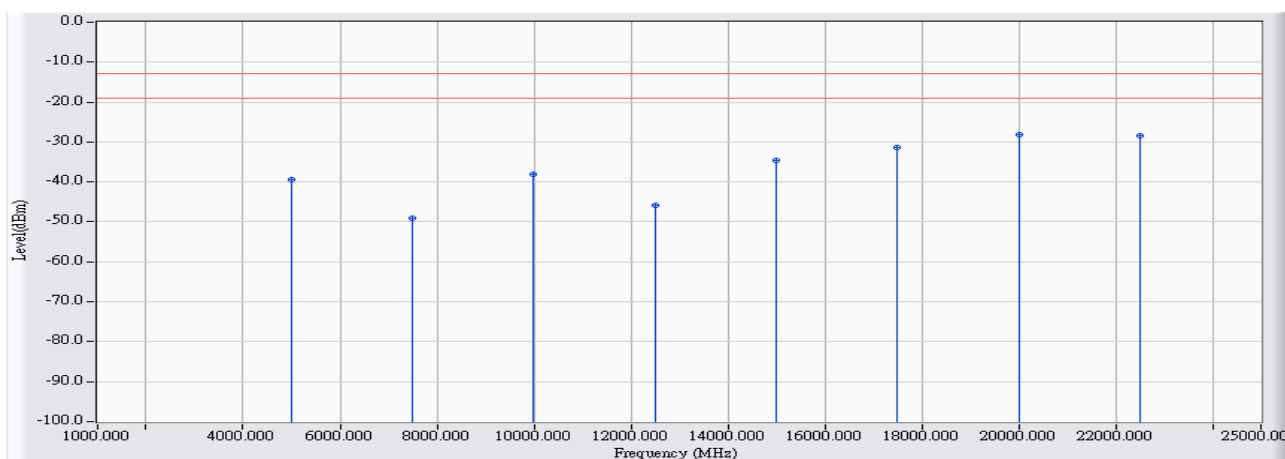


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measured Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		5377.780	14.591	-58.995	-44.403	-31.403	-13.000	PEAK
2		8061.960	21.557	-67.545	-45.987	-32.987	-13.000	PEAK
3		10751.420	21.145	-69.813	-48.668	-35.668	-13.000	PEAK
4		13443.440	28.287	-71.016	-42.729	-29.729	-13.000	PEAK
5		16132.220	29.512	-71.659	-42.147	-29.147	-13.000	PEAK
6		18806.980	36.650	-71.229	-34.579	-21.579	-13.000	PEAK
7		21494.800	36.650	-70.728	-34.078	-21.078	-13.000	PEAK
8	*	24183.640	36.650	-67.134	-30.484	-17.484	-13.000	PEAK

Note:

1. All Reading Levels are Peak Value.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. " * ", means this data is the worst emission level.
4. Measured Level= Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/31 - 10:41
Limit : PART90(WiMAX)_00M_PK	Margin : 6
Probe : CB1_CE_Sub_1-18G-1-0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : CBS 2.5GHz	Note : Mode 3: Transmit (7MHz BW_64QAM-2/3) -2499.5MHz

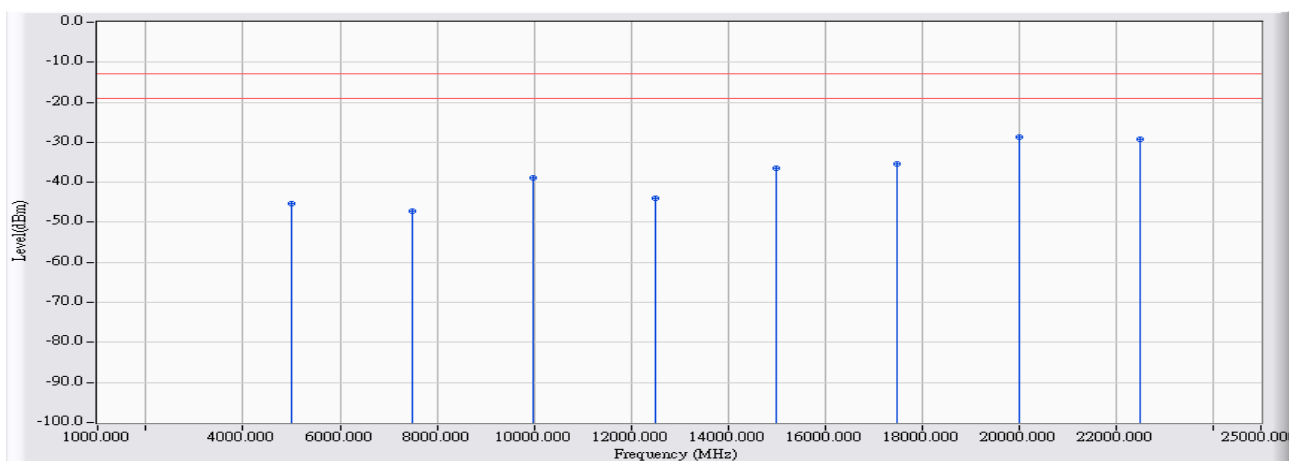


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measured Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		5001.360	14.680	-54.150	-39.469	-26.469	-13.000	PEAK
2		7501.860	21.028	-70.090	-49.062	-36.062	-13.000	PEAK
3		9998.720	22.076	-60.150	-38.075	-25.075	-13.000	PEAK
4		12501.020	24.318	-70.120	-45.802	-32.802	-13.000	PEAK
5		14994.320	28.455	-63.150	-34.695	-21.695	-13.000	PEAK
6		17491.660	32.102	-63.580	-31.478	-18.478	-13.000	PEAK
7	*	20001.680	36.690	-64.900	-28.210	-15.210	-13.000	PEAK
8		22501.420	36.690	-65.110	-28.420	-15.420	-13.000	PEAK

Note:

1. All Reading Levels are Peak Value.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. " * ", means this data is the worst emission level.
4. Measured Level= Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/31 - 10:37
Limit : PART90(WiMAX)_00M_PK	Margin : 6
Probe : CB1_CE_Sub_1-18G-1-0901 - VERTICAL	Power : AC 120V/60Hz
EUT : CBS 2.5GHz	Note : Mode 3: Transmit (7MHz BW_64QAM-2/3) -2499.5MHz

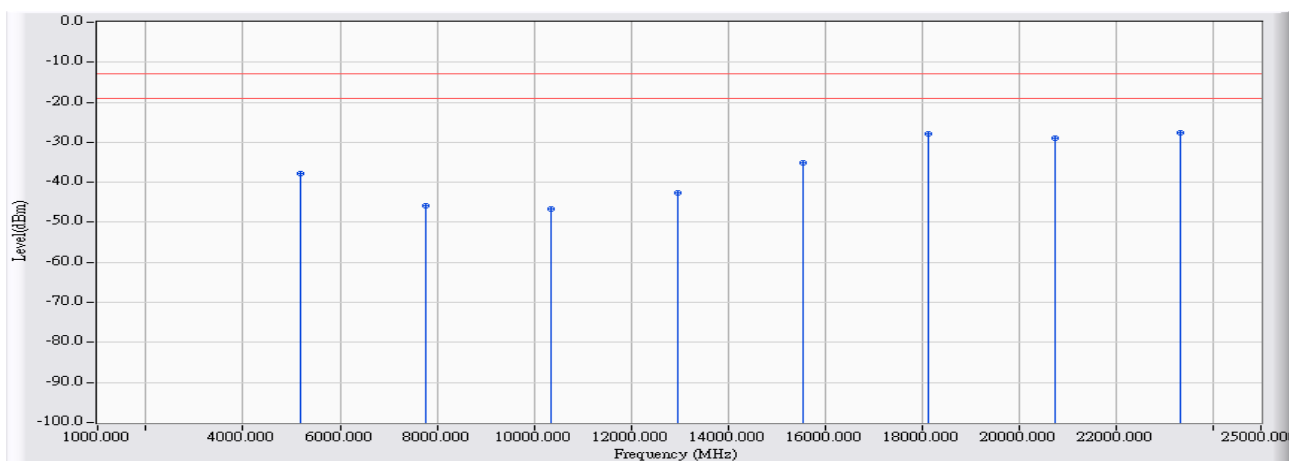


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measured Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	4998.520	14.308	-59.490	-45.182	-32.182	-13.000	PEAK
2	7497.020	21.117	-68.220	-47.104	-34.104	-13.000	PEAK
3	9998.840	22.843	-61.630	-38.788	-25.788	-13.000	PEAK
4	12494.940	25.992	-69.920	-43.928	-30.928	-13.000	PEAK
5	15006.320	26.594	-63.090	-36.496	-23.496	-13.000	PEAK
6	17494.340	29.501	-64.980	-35.479	-22.479	-13.000	PEAK
7	* 20000.040	36.650	-65.350	-28.700	-15.700	-13.000	PEAK
8	22499.100	36.650	-65.940	-29.290	-16.290	-13.000	PEAK

Note:

1. All Reading Levels are Peak Value.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. " * ", means this data is the worst emission level.
4. Measured Level= Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/31 - 10:53
Limit : PART90(WiMAX)_00M_PK	Margin : 6
Probe : CB1_CE_Sub_1-18G-1-0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : CBS 2.5GHz	Note : Mode 3: Transmit (7MHz BW_64QAM-2/3) -2593MHz

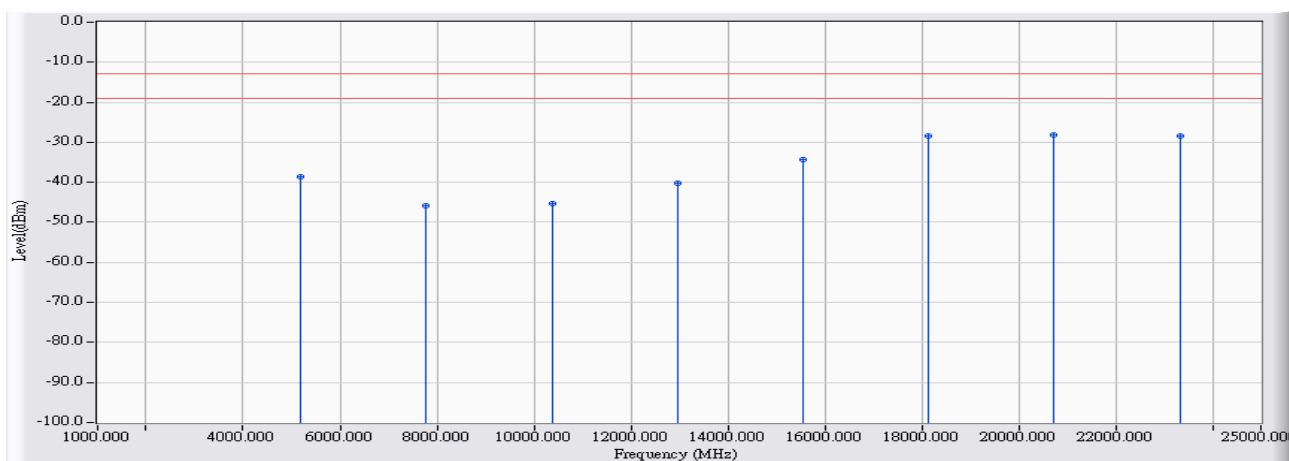


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measured Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		5182.920	14.741	-52.530	-37.789	-24.789	-13.000	PEAK
2		7777.880	21.759	-67.710	-45.951	-32.951	-13.000	PEAK
3		10362.160	21.943	-68.500	-46.558	-33.558	-13.000	PEAK
4		12956.960	26.083	-68.670	-42.587	-29.587	-13.000	PEAK
5		15548.720	28.395	-63.630	-35.235	-22.235	-13.000	PEAK
6		18144.720	36.690	-64.530	-27.840	-14.840	-13.000	PEAK
7		20742.760	36.690	-65.720	-29.030	-16.030	-13.000	PEAK
8	*	23333.640	36.690	-64.410	-27.720	-14.720	-13.000	PEAK

Note:

1. All Reading Levels are Peak Value.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. " * ", means this data is the worst emission level.
4. Measured Level= Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/31 - 10:47
Limit : PART90(WiMAX)_00M_PK	Margin : 6
Probe : CB1_CE_Sub_1-18G-1-0901 - VERTICAL	Power : AC 120V/60Hz
EUT : CBS 2.5GHz	Note : Mode 3: Transmit (7MHz BW_64QAM-2/3) -2593MHz

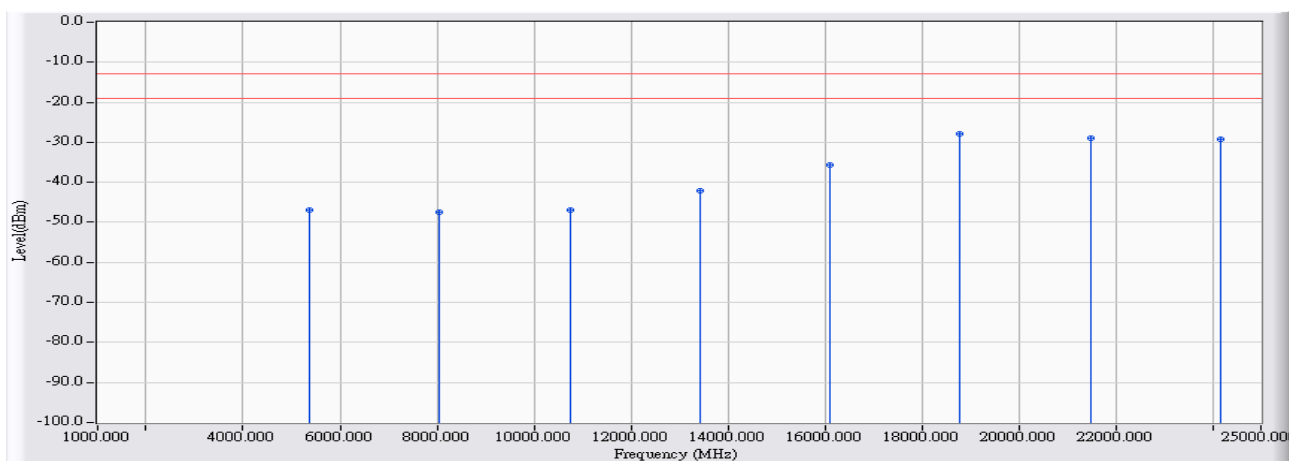


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measured Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		5188.520	14.456	-53.170	-38.714	-25.714	-13.000	PEAK
2		7782.440	21.405	-67.250	-45.845	-32.845	-13.000	PEAK
3		10372.280	21.569	-66.760	-45.191	-32.191	-13.000	PEAK
4		12959.440	27.287	-67.610	-40.323	-27.323	-13.000	PEAK
5		15550.040	29.108	-63.500	-34.392	-21.392	-13.000	PEAK
6		18152.080	36.650	-65.130	-28.480	-15.480	-13.000	PEAK
7	*	20737.760	36.650	-64.720	-28.070	-15.070	-13.000	PEAK
8		23344.720	36.650	-65.140	-28.490	-15.490	-13.000	PEAK

Note:

1. All Reading Levels are Peak Value.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. " * ", means this data is the worst emission level.
4. Measured Level= Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/31 - 11:26
Limit : PART90(WiMAX)_00M_PK	Margin : 6
Probe : CB1_CE_Sub_1-18G-1-0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : CBS 2.5GHz	Note : Mode 3: Transmit (7MHz BW_64QAM-2/3) -2686.5MHz

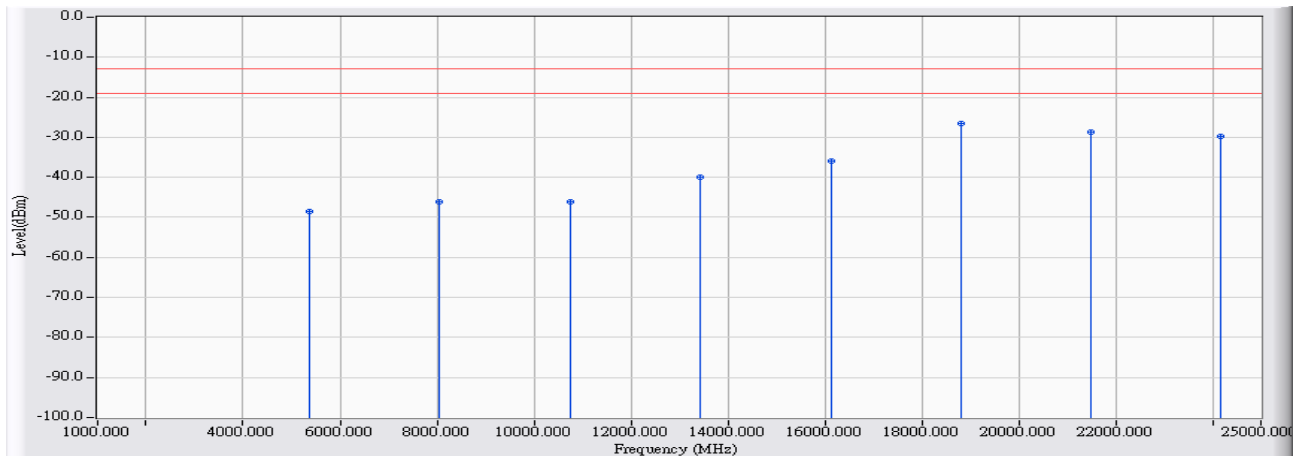


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measured Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		5376.920	14.795	-61.700	-46.904	-33.904	-13.000	PEAK
2		8053.100	22.226	-69.720	-47.493	-34.493	-13.000	PEAK
3		10749.120	22.230	-69.080	-46.851	-33.851	-13.000	PEAK
4		13438.820	26.663	-68.700	-42.038	-29.038	-13.000	PEAK
5		16109.960	29.476	-65.030	-35.553	-22.553	-13.000	PEAK
6	*	18799.620	36.690	-64.480	-27.790	-14.790	-13.000	PEAK
7		21489.640	36.690	-65.610	-28.920	-15.920	-13.000	PEAK
8		24170.820	36.690	-66.000	-29.310	-16.310	-13.000	PEAK

Note:

1. All Reading Levels are Peak Value.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. " * ", means this data is the worst emission level.
4. Measured Level= Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/31 - 11:24
Limit : PART90(WiMAX)_00M_PK	Margin : 6
Probe : CB1_CE_Sub_1-18G-1-0901 - VERTICAL	Power : AC 120V/60Hz
EUT : CBS 2.5GHz	Note : Mode 3: Transmit (7MHz BW_64QAM-2/3) -2686.5MHz

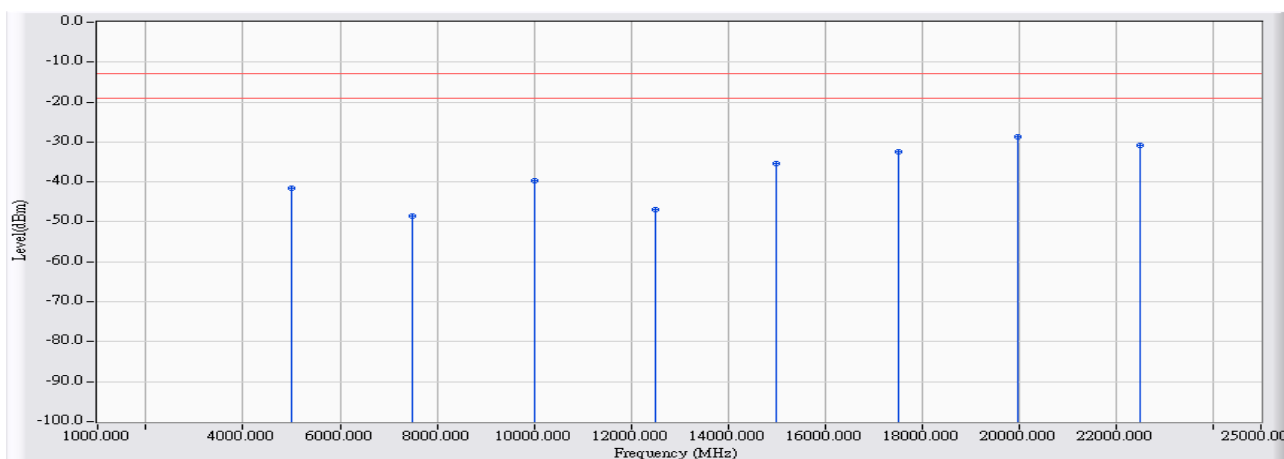


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measured Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		5373.344	14.589	-63.210	-48.621	-35.621	-13.000	PEAK
2		8053.540	21.565	-67.620	-46.055	-33.055	-13.000	PEAK
3		10753.280	21.145	-67.300	-46.155	-33.155	-13.000	PEAK
4		13434.900	28.270	-68.140	-39.870	-26.870	-13.000	PEAK
5		16123.920	29.429	-65.420	-35.991	-22.991	-13.000	PEAK
6	*	18802.700	36.650	-63.240	-26.590	-13.590	-13.000	PEAK
7		21500.640	36.650	-65.440	-28.790	-15.790	-13.000	PEAK
8		24170.980	36.650	-66.460	-29.810	-16.810	-13.000	PEAK

Note:

1. All Reading Levels are Peak Value.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. " * ", means this data is the worst emission level.
4. Measured Level= Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/31 - 13:26
Limit : PART90(WiMAX)_00M_PK	Margin : 6
Probe : CB1_CE_Sub_1-18G-1-0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : CBS 2.5GHz	Note : Mode 4: Transmit (10MHz BW_64QAM-2/3) -2501MHz

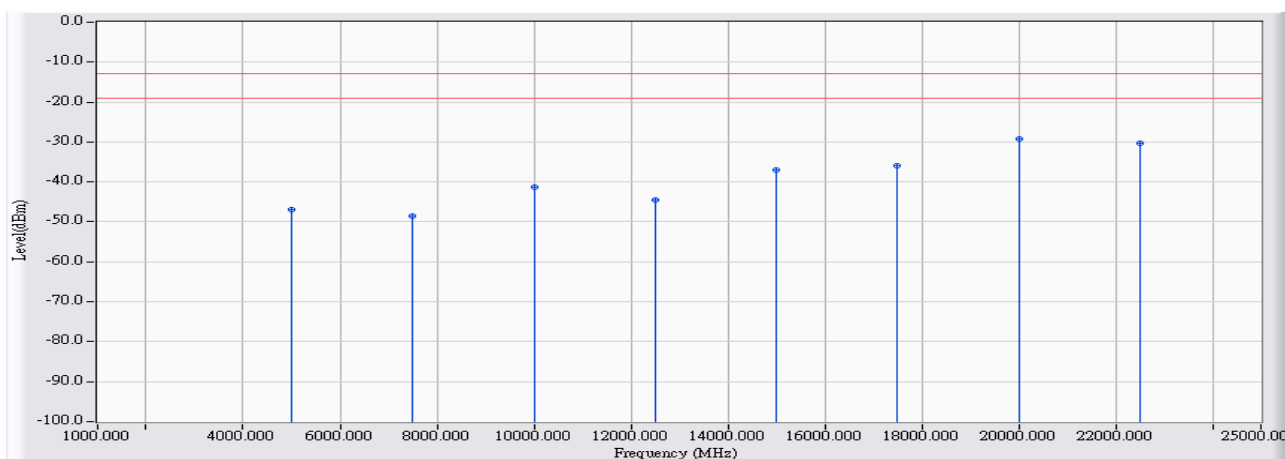


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measured Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		5005.040	14.685	-56.260	-41.575	-28.575	-13.000	PEAK
2		7506.680	21.039	-69.640	-48.601	-35.601	-13.000	PEAK
3		10000.720	22.075	-61.860	-39.785	-26.785	-13.000	PEAK
4		12496.440	24.302	-71.170	-46.868	-33.868	-13.000	PEAK
5		15010.560	28.488	-63.860	-35.373	-22.373	-13.000	PEAK
6		17513.040	32.210	-64.720	-32.510	-19.510	-13.000	PEAK
7	*	19998.440	36.690	-65.280	-28.590	-15.590	-13.000	PEAK
8		22500.800	36.690	-67.510	-30.820	-17.820	-13.000	PEAK

Note:

1. All Reading Levels are Peak Value.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. " * ", means this data is the worst emission level.
4. Measured Level= Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/31 - 13:22
Limit : PART90(WiMAX)_00M_PK	Margin : 6
Probe : CB1_CE_Sub_1-18G-1-0901 - VERTICAL	Power : AC 120V/60Hz
EUT : CBS 2.5GHz	Note : Mode 4: Transmit (10MHz BW_64QAM-2/3) -2501MHz

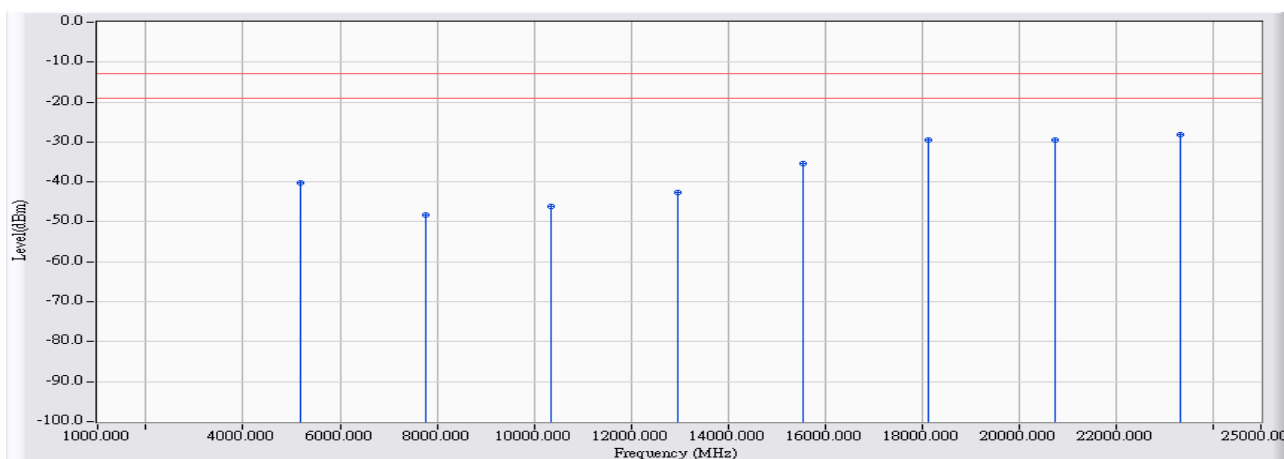


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measured Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		5006.360	14.320	-61.210	-46.890	-33.890	-13.000	PEAK
2		7499.400	21.121	-69.750	-48.628	-35.628	-13.000	PEAK
3		10008.000	22.821	-64.080	-41.260	-28.260	-13.000	PEAK
4		12504.280	26.021	-70.560	-44.539	-31.539	-13.000	PEAK
5		15013.800	26.633	-63.610	-36.977	-23.977	-13.000	PEAK
6		17503.760	29.530	-65.360	-35.829	-22.829	-13.000	PEAK
7	*	20001.160	36.650	-65.770	-29.120	-16.120	-13.000	PEAK
8		22515.560	36.650	-66.930	-30.280	-17.280	-13.000	PEAK

Note:

1. All Reading Levels are Peak Value.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. " * ", means this data is the worst emission level.
4. Measured Level= Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/31 - 13:32
Limit : PART90(WiMAX)_00M_PK	Margin : 6
Probe : CB1_CE_Sub_1-18G-1-0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : CBS 2.5GHz	Note : Mode 4: Transmit (10MHz BW_64QAM-2/3) -2593MHz

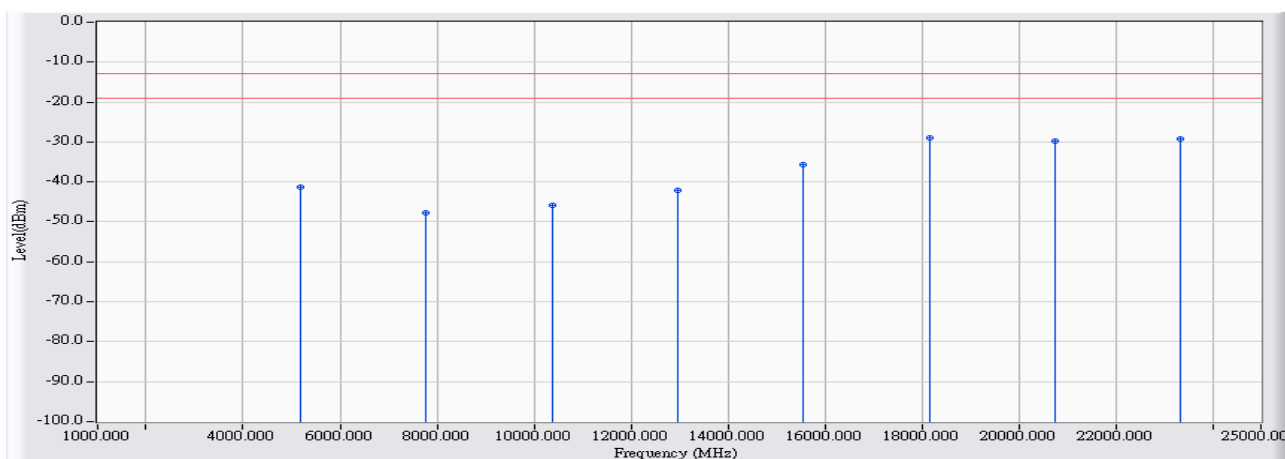


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measured Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		5181.680	14.741	-55.030	-40.289	-27.289	-13.000	PEAK
2		7774.800	21.750	-69.890	-48.139	-35.139	-13.000	PEAK
3		10362.600	21.942	-68.170	-46.228	-33.228	-13.000	PEAK
4		12956.360	26.081	-68.690	-42.609	-29.609	-13.000	PEAK
5		15560.240	28.401	-63.890	-35.489	-22.489	-13.000	PEAK
6		18147.760	36.690	-66.130	-29.440	-16.440	-13.000	PEAK
7		20746.120	36.690	-66.220	-29.530	-16.530	-13.000	PEAK
8	*	23345.920	36.690	-64.930	-28.240	-15.240	-13.000	PEAK

Note:

1. All Reading Levels are Peak Value.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. " * ", means this data is the worst emission level.
4. Measured Level= Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/31 - 13:29
Limit : PART90(WiMAX)_00M_PK	Margin : 6
Probe : CB1_CE_Sub_1-18G-1-0901 - VERTICAL	Power : AC 120V/60Hz
EUT : CBS 2.5GHz	Note : Mode 4: Transmit (10MHz BW_64QAM-2/3) -2593MHz

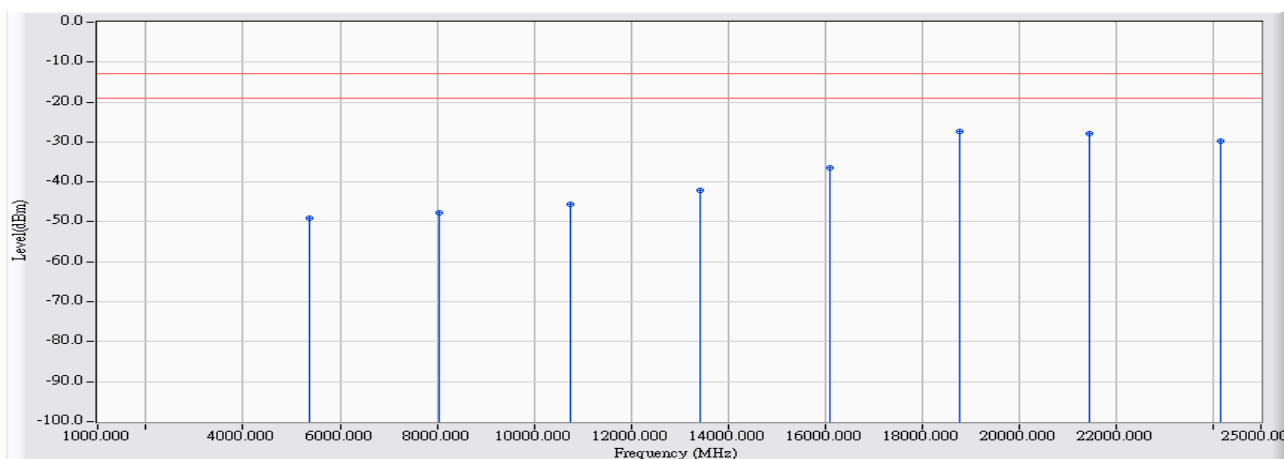


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measured Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		5185.840	14.454	-55.760	-41.306	-28.306	-13.000	PEAK
2		7778.760	21.402	-68.990	-47.588	-34.588	-13.000	PEAK
3		10371.080	21.573	-67.340	-45.767	-32.767	-13.000	PEAK
4		12966.760	27.307	-69.380	-42.072	-29.072	-13.000	PEAK
5		15560.040	29.087	-64.770	-35.682	-22.682	-13.000	PEAK
6	*	18154.360	36.650	-65.520	-28.870	-15.870	-13.000	PEAK
7		20743.960	36.650	-66.330	-29.680	-16.680	-13.000	PEAK
8		23336.240	36.650	-65.840	-29.190	-16.190	-13.000	PEAK

Note:

1. All Reading Levels are Peak Value.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. " * ", means this data is the worst emission level.
4. Measured Level= Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/31 - 13:37
Limit : PART90(WiMAX)_00M_PK	Margin : 6
Probe : CB1_CE_Sub_1-18G-1-0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : CBS 2.5GHz	Note : Mode 4: Transmit (10MHz BW_64QAM-2/3) -2685MHz

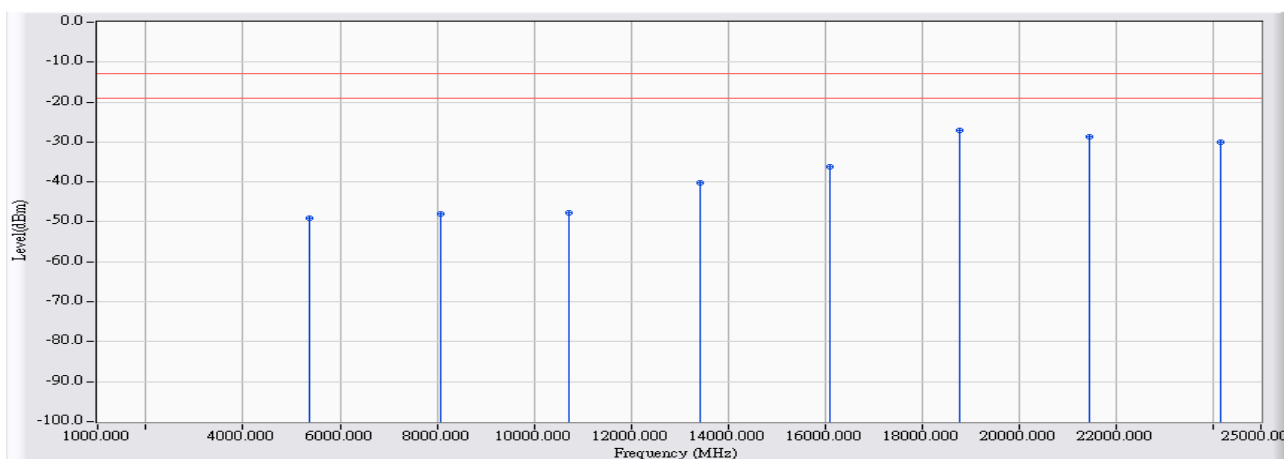


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measured Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		5369.600	14.794	-63.960	-49.167	-36.167	-13.000	PEAK
2		8059.080	22.213	-69.960	-47.747	-34.747	-13.000	PEAK
3		10746.600	22.225	-67.810	-45.585	-32.585	-13.000	PEAK
4		13420.880	26.646	-68.620	-41.974	-28.974	-13.000	PEAK
5		16115.840	29.522	-65.860	-36.338	-23.338	-13.000	PEAK
6	*	18788.600	36.690	-64.100	-27.410	-14.410	-13.000	PEAK
7		21471.520	36.690	-64.660	-27.970	-14.970	-13.000	PEAK
8		24165.840	36.690	-66.420	-29.730	-16.730	-13.000	PEAK

Note:

1. All Reading Levels are Peak Value.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. " * ", means this data is the worst emission level.
4. Measured Level= Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/31 - 13:34
Limit : PART90(WiMAX)_00M_PK	Margin : 6
Probe : CB1_CE_Sub_1-18G-1-0901 - VERTICAL	Power : AC 120V/60Hz
EUT : CBS 2.5GHz	Note : Mode 4: Transmit (10MHz BW_64QAM-2/3) -2685MHz



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measured Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		5369.760	14.586	-63.600	-49.014	-36.014	-13.000	PEAK
2		8062.600	21.557	-69.630	-48.073	-35.073	-13.000	PEAK
3		10731.160	21.143	-68.760	-47.616	-34.616	-13.000	PEAK
4		13431.120	28.262	-68.530	-40.268	-27.268	-13.000	PEAK
5		16102.480	29.215	-65.330	-36.115	-23.115	-13.000	PEAK
6	*	18795.000	36.650	-63.710	-27.060	-14.060	-13.000	PEAK
7		21473.760	36.650	-65.390	-28.740	-15.740	-13.000	PEAK
8		24164.760	36.650	-66.790	-30.140	-17.140	-13.000	PEAK

Note:

1. All Reading Levels are Peak Value.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. " * ", means this data is the worst emission level.
4. Measured Level= Reading Level + Correct Factor.

7. Frequency Stability Over Temperatures Variation

7.1. Test Equipment

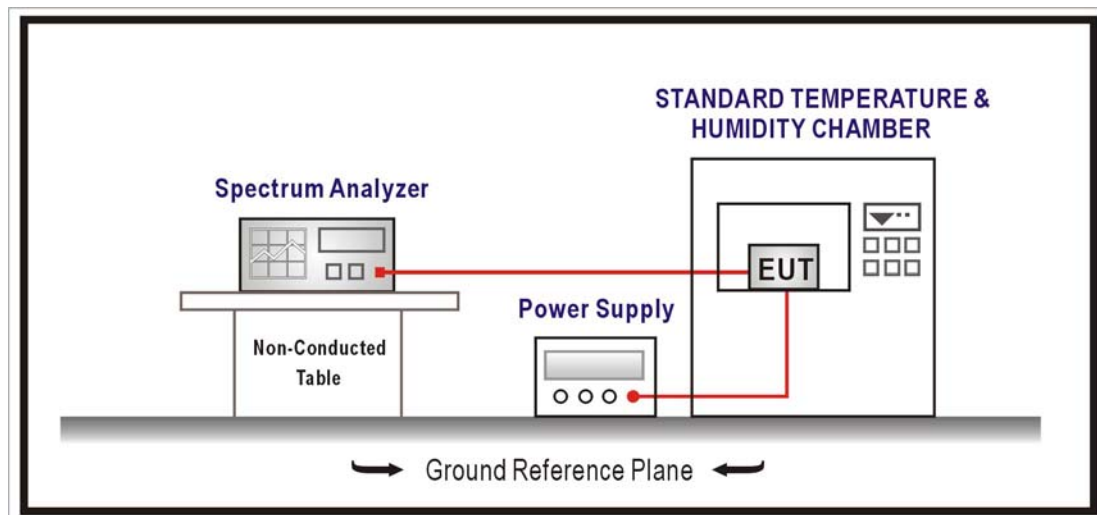
The following test equipments are used during the test:

Frequency Stability Over Temperatures Variation/ SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A	US47140172	2013/07/31
Standard Temperature & Humidity Chamber	WIT	TH-1S-B	1082101	2014/01/27

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

7.2. Test Setup



7.3. 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.

The test results should be within +/- 2.5ppm of the nominal frequency.

7.4. 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 $\pm 0.5^{\circ}\text{C}$ 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.

7.5. Uncertainty

The measurement uncertainty is defined as $\pm 10\text{kHz}$

7.6. Test Result

Product	CBS 2.5GHz		
Test Item	Frequency Stability Over Temperatures Variation		
Test Mode	Mode 1: Transmit (3.5MHz BW_64QAM-2/3) (ANT 0)		
Date of Test	2012/01/13	Test Site	SR7

24979.75 MHz

Temperature(°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-30	120	2497.745	-2.0018	Pass
-20		2497.745	-2.0018	Pass
-10		2497.746	-1.6014	Pass
0		2497.745	-2.0018	Pass
10		2497.745	-2.0018	Pass
20		2497.746	-1.6014	Pass
30		2497.745	-2.0018	Pass
40		2497.746	-1.6014	Pass
50		2497.746	-1.6014	Pass

2593 MHz

Temperature(°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-30	120	2592.995	-1.9283	Pass
-20		2592.995	-1.9283	Pass
-10		2592.995	-1.9283	Pass
0		2592.996	-1.5426	Pass
10		2592.995	-1.9283	Pass
20		2592.995	-1.9283	Pass
30		2592.995	-1.9283	Pass
40		2592.995	-1.9283	Pass
50		2592.995	-1.9283	Pass

2688.25 MHz

Temperature(°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-30	120	2688.245	-1.8599	Pass
-20		2688.245	-1.8599	Pass
-10		2688.246	-1.4880	Pass
0		2688.245	-1.8599	Pass
10		2688.245	-1.8599	Pass
20		2688.245	-1.8599	Pass
30		2688.245	-1.8599	Pass
40		2688.245	-1.8599	Pass
50		2688.245	-1.8599	Pass

Product	CBS 2.5GHz		
Test Item	Frequency Stability Over Temperatures Variation		
Test Mode	Mode 1: Transmit (3.5MHz BW_64QAM-2/3) (ANT 1)		
Date of Test	2012/01/13	Test Site	SR7

24979.75 MHz

Temperature(°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-30	120	2497.745	-2.0018	Pass
-20		2497.745	-2.0018	Pass
-10		2497.746	-1.6014	Pass
0		2497.745	-2.0018	Pass
10		2497.745	-2.0018	Pass
20		2497.746	-1.6014	Pass
30		2497.745	-2.0018	Pass
40		2497.746	-1.6014	Pass
50		2497.746	-1.6014	Pass

2593 MHz

Temperature(°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-30	120	2592.995	-1.9283	Pass
-20		2592.995	-1.9283	Pass
-10		2592.995	-1.9283	Pass
0		2592.996	-1.5426	Pass
10		2592.995	-1.9283	Pass
20		2592.995	-1.9283	Pass
30		2592.995	-1.9283	Pass
40		2592.995	-1.9283	Pass
50		2592.995	-1.9283	Pass

2688.25 MHz

Temperature(°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-30	120	2688.245	-1.8599	Pass
-20		2688.245	-1.8599	Pass
-10		2688.246	-1.4880	Pass
0		2688.245	-1.8599	Pass
10		2688.245	-1.8599	Pass
20		2688.245	-1.8599	Pass
30		2688.245	-1.8599	Pass
40		2688.245	-1.8599	Pass
50		2688.245	-1.8599	Pass

Product	CBS 2.5GHz		
Test Item	Frequency Stability Over Temperatures Variation		
Test Mode	Mode 2: Transmit (5MHz BW_QPSK-1/2) (ANT 0)		
Date of Test	2012/01/13	Test Site	SR7

2498.5 MHz

Temperature °C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-30	120	2498.495	-2.0012	Pass
-20		2498.495	-2.0012	Pass
-10		2498.496	-1.6010	Pass
0		2498.496	-1.6010	Pass
10		2498.495	-2.0012	Pass
20		2498.495	-2.0012	Pass
30		2498.495	-2.0012	Pass
40		2498.495	-2.0012	Pass
50		2498.495	-2.0012	Pass

2593 MHz

Temperature °C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-30	120	2592.995	-1.9283	Pass
-20		2592.996	-1.5426	Pass
-10		2592.995	-1.9283	Pass
0		2592.996	-1.5426	Pass
10		2592.996	-1.5426	Pass
20		2592.995	-1.9283	Pass
30		2592.996	-1.5426	Pass
40		2592.996	-1.5426	Pass
50		2592.996	-1.5426	Pass

2687.5 MHz

Temperature °C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-30	120	2687.494	-2.2326	Pass
-20		2687.495	-1.8605	Pass
-10		2687.494	-2.2326	Pass
0		2687.494	-2.2326	Pass
10		2687.495	-1.8605	Pass
20		2687.494	-2.2326	Pass
30		2687.494	-2.2326	Pass
40		2687.494	-2.2326	Pass
50		2687.494	-2.2326	Pass

Product	CBS 2.5GHz		
Test Item	Frequency Stability Over Temperatures Variation		
Test Mode	Mode 2: Transmit (5MHz BW_QPSK-1/2) (ANT 1)		
Date of Test	2012/01/13	Test Site	SR7

2498.5 MHz

Temperature °C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-30	120	2498.495	-2.0012	Pass
-20		2498.495	-2.0012	Pass
-10		2498.496	-1.6010	Pass
0		2498.496	-1.6010	Pass
10		2498.495	-2.0012	Pass
20		2498.495	-2.0012	Pass
30		2498.495	-2.0012	Pass
40		2498.495	-2.0012	Pass
50		2498.495	-2.0012	Pass

2593 MHz

Temperature °C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-30	120	2592.995	-1.9283	Pass
-20		2592.996	-1.5426	Pass
-10		2592.995	-1.9283	Pass
0		2592.996	-1.5426	Pass
10		2592.996	-1.5426	Pass
20		2592.995	-1.9283	Pass
30		2592.996	-1.5426	Pass
40		2592.996	-1.5426	Pass
50		2592.996	-1.5426	Pass

2687.5 MHz

Temperature °C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-30	120	2687.494	-2.2326	Pass
-20		2687.495	-1.8605	Pass
-10		2687.494	-2.2326	Pass
0		2687.494	-2.2326	Pass
10		2687.495	-1.8605	Pass
20		2687.494	-2.2326	Pass
30		2687.494	-2.2326	Pass
40		2687.494	-2.2326	Pass
50		2687.494	-2.2326	Pass

Product	CBS 2.5GHz		
Test Item	Frequency Stability Over Temperatures Variation		
Test Mode	Mode 3: Transmit (7MHz BW_64QAM-2/3) (ANT 0)		
Date of Test	2012/01/13	Test Site	SR7

2499.5 MHz

Temperature(°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-30	120	2499.496	-1.6003	Pass
-20		2499.495	-2.0004	Pass
-10		2499.495	-2.0004	Pass
0		2499.495	-2.0004	Pass
10		2499.496	-1.6003	Pass
20		2499.495	-2.0004	Pass
30		2499.496	-1.6003	Pass
40		2499.495	-2.0004	Pass
50		2499.495	-2.0004	Pass

2593 MHz

Temperature(°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-30	120	2592.995	-1.9283	Pass
-20		2592.995	-1.9283	Pass
-10		2592.996	-1.5426	Pass
0		2592.995	-1.9283	Pass
10		2592.995	-1.9283	Pass
20		2592.996	-1.5426	Pass
30		2592.996	-1.5426	Pass
40		2592.995	-1.9283	Pass
50		2592.995	-1.9283	Pass

2686.5 MHz

Temperature(°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-30	120	2686.495	-1.8612	Pass
-20		2686.494	-2.2334	Pass
-10		2686.495	-1.8612	Pass
0		2686.494	-2.2334	Pass
10		2686.495	-1.8612	Pass
20		2686.494	-2.2334	Pass
30		2686.494	-2.2334	Pass
40		2686.495	-1.8612	Pass
50		2686.495	-1.8612	Pass

Product	CBS 2.5GHz		
Test Item	Frequency Stability Over Temperatures Variation		
Test Mode	Mode 3: Transmit (7MHz BW_64QAM-2/3) (ANT 1)		
Date of Test	2012/01/13	Test Site	SR7

2499.5 MHz

Temperature(°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-30	120	2499.496	-1.6003	Pass
-20		2499.495	-2.0004	Pass
-10		2499.495	-2.0004	Pass
0		2499.495	-2.0004	Pass
10		2499.496	-1.6003	Pass
20		2499.495	-2.0004	Pass
30		2499.496	-1.6003	Pass
40		2499.495	-2.0004	Pass
50		2499.495	-2.0004	Pass

2593 MHz

Temperature(°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-30	120	2592.995	-1.9283	Pass
-20		2592.995	-1.9283	Pass
-10		2592.996	-1.5426	Pass
0		2592.995	-1.9283	Pass
10		2592.995	-1.9283	Pass
20		2592.996	-1.5426	Pass
30		2592.996	-1.5426	Pass
40		2592.995	-1.9283	Pass
50		2592.995	-1.9283	Pass

2686.5 MHz

Temperature(°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-30	120	2686.495	-1.8612	Pass
-20		2686.494	-2.2334	Pass
-10		2686.495	-1.8612	Pass
0		2686.494	-2.2334	Pass
10		2686.495	-1.8612	Pass
20		2686.494	-2.2334	Pass
30		2686.494	-2.2334	Pass
40		2686.495	-1.8612	Pass
50		2686.495	-1.8612	Pass

Product	CBS 2.5GHz		
Test Item	Frequency Stability Over Temperatures Variation		
Test Mode	Mode 4: Transmit (10MHz BW_64QAM-2/3) (ANT 0)		
Date of Test	2012/01/13	Test Site	SR7

2501 MHz

Temperature(°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-30	120	2500.995	-1.9992	Pass
-20		2500.995	-1.9992	Pass
-10		2500.994	-2.3990	Pass
0		2500.995	-1.9992	Pass
10		2500.995	-1.9992	Pass
20		2500.994	-2.3990	Pass
30		2500.995	-1.9992	Pass
40		2500.995	-1.9992	Pass
50		2500.995	-1.9992	Pass

2593 MHz

Temperature(°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-30	120	2592.995	-1.9283	Pass
-20		2592.995	-1.9283	Pass
-10		2592.996	-1.5426	Pass
0		2592.996	-1.5426	Pass
10		2592.995	-1.9283	Pass
20		2592.995	-1.9283	Pass
30		2592.996	-1.5426	Pass
40		2592.995	-1.9283	Pass
50		2592.995	-1.9283	Pass

2685 MHz

Temperature(°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-30	120	2684.995	-1.8622	Pass
-20		2684.995	-1.8622	Pass
-10		2684.994	-2.2346	Pass
0		2684.994	-2.2346	Pass
10		2684.994	-2.2346	Pass
20		2684.994	-2.2346	Pass
30		2684.995	-1.8622	Pass
40		2684.994	-2.2346	Pass
50		2684.994	-2.2346	Pass

Product	CBS 2.5GHz		
Test Item	Frequency Stability Over Temperatures Variation		
Test Mode	Mode 4: Transmit (10MHz BW_64QAM-2/3) (ANT 1)		
Date of Test	2012/01/13	Test Site	SR7

2501 MHz

Temperature(°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-30	120	2500.995	-1.9992	Pass
-20		2500.995	-1.9992	Pass
-10		2500.994	-2.3990	Pass
0		2500.995	-1.9992	Pass
10		2500.995	-1.9992	Pass
20		2500.994	-2.3990	Pass
30		2500.995	-1.9992	Pass
40		2500.995	-1.9992	Pass
50		2500.995	-1.9992	Pass

2593 MHz

Temperature(°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-30	120	2592.995	-1.9283	Pass
-20		2592.995	-1.9283	Pass
-10		2592.996	-1.5426	Pass
0		2592.996	-1.5426	Pass
10		2592.995	-1.9283	Pass
20		2592.995	-1.9283	Pass
30		2592.996	-1.5426	Pass
40		2592.995	-1.9283	Pass
50		2592.995	-1.9283	Pass

2685 MHz

Temperature(°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-30	120	2684.995	-1.8622	Pass
-20		2684.995	-1.8622	Pass
-10		2684.994	-2.2346	Pass
0		2684.994	-2.2346	Pass
10		2684.994	-2.2346	Pass
20		2684.994	-2.2346	Pass
30		2684.995	-1.8622	Pass
40		2684.994	-2.2346	Pass
50		2684.994	-2.2346	Pass

8. Frequency Stability Over Voltage Variation

8.1. Test Equipment

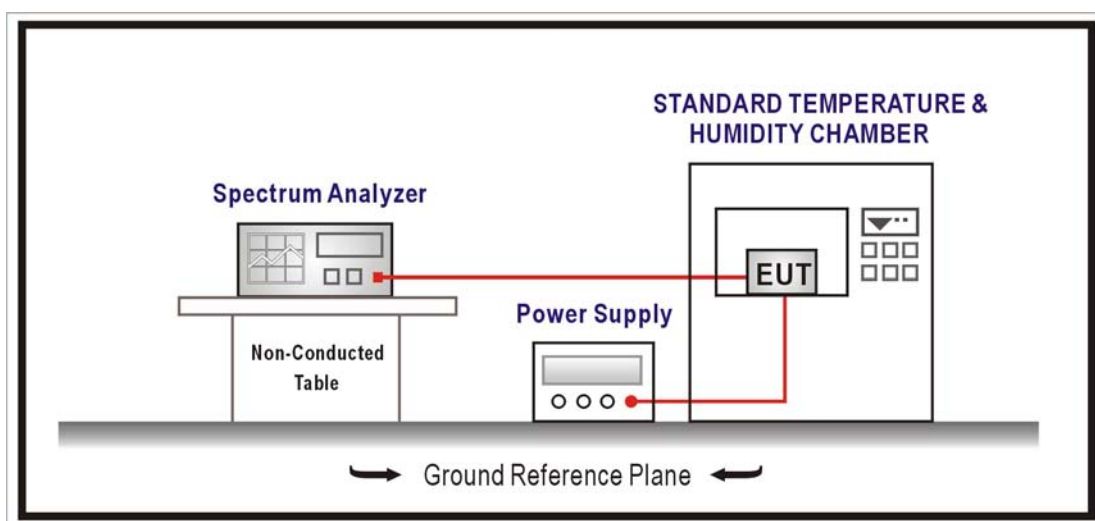
The following test equipments are used during the test:

Frequency Stability Over Temperatures Variation/ SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A	US47140172	2013/07/31
Standard Temperature & Humidity Chamber	WIT	TH-1S-B	1082101	2014/01/27

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 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.

The test results should be within +/- 2.5ppm of the nominal frequency.

8.4. 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.

8.5. Uncertainty

The measurement uncertainty is defined as $\pm 10\text{kHz}$.

8.6. Test Result

Product	CBS 2.5GHz		
Test Item	Frequency Stability Over Voltage Variation		
Test Mode	Mode 1: Transmit (3.5MHz BW_64QAM-2/3) (ANT 0)		
Date of Test	2012/01/13	Test Site	SR7

2497.75 MHz				
Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	2497.746	-1.6014	Pass
	120	2497.745	-2.0018	Pass
	138	2497.746	-1.6014	Pass

2593 MHz				
Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	2592.995	-1.9283	Pass
	120	2592.995	-1.9283	Pass
	138	2592.995	-1.9283	Pass

2688.25 MHz				
Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	2688.245	-1.8599	Pass
	120	2688.245	-1.8599	Pass
	138	2688.245	-1.8599	Pass

Product	CBS 2.5GHz		
Test Item	Frequency Stability Over Voltage Variation		
Test Mode	Mode 1: Transmit (3.5MHz BW 64QAM-2/3) (ANT 1)		
Date of Test	2012/01/13	Test Site	SR7

2497.75 MHz

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	2497.746	-1.6014	Pass
	120	2497.745	-2.0018	Pass
	138	2497.746	-1.6014	Pass

2593 MHz

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	2592.995	-1.9283	Pass
	120	2592.995	-1.9283	Pass
	138	2592.995	-1.9283	Pass

2688.25 MHz

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	2688.245	-1.8599	Pass
	120	2688.245	-1.8599	Pass
	138	2688.245	-1.8599	Pass

Product	CBS 2.5GHz		
Test Item	Frequency Stability Over Voltage Variation		
Test Mode	Mode 2: Transmit (5MHz BW_QPSK-1/2) (ANT 0)		
Date of Test	2012/01/13	Test Site	SR7

2498.5 MHz				
Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	2498.495	-2.0012	Pass
	120	2498.495	-2.0012	Pass
	138	2498.496	-1.6010	Pass

2593 MHz				
Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	2592.995	-1.9283	Pass
	120	2592.996	-1.5426	Pass
	138	2592.995	-1.9283	Pass

2687.5 MHz				
Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	2687.494	-2.2326	Pass
	120	2687.495	-1.8605	Pass
	138	2687.494	-2.2326	Pass

Product	CBS 2.5GHz		
Test Item	Frequency Stability Over Voltage Variation		
Test Mode	Mode 2: Transmit (5MHz BW_QPSK-1/2) (ANT 1)		
Date of Test	2012/01/13	Test Site	SR7

2498.5 MHz

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	2498.495	-2.0012	Pass
	120	2498.495	-2.0012	Pass
	138	2498.496	-1.6010	Pass

2593 MHz

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	2592.995	-1.9283	Pass
	120	2592.996	-1.5426	Pass
	138	2592.995	-1.9283	Pass

2687.5 MHz

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	2687.494	-2.2326	Pass
	120	2687.495	-1.8605	Pass
	138	2687.494	-2.2326	Pass

Product	CBS 2.5GHz		
Test Item	Frequency Stability Over Voltage Variation		
Test Mode	Mode 3: Transmit (7MHz BW_64QAM-2/3) (ANT 0)		
Date of Test	2012/01/13	Test Site	SR7

2499.5 MHz

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	2499.495	-2.0004	Pass
	120	2499.495	-2.0004	Pass
	138	2499.495	-2.0004	Pass

2593 MHz

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	2592.995	-1.9283	Pass
	120	2592.996	-1.5426	Pass
	138	2592.995	-1.9283	Pass

2686.5 MHz

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	2686.494	-2.2334	Pass
	120	2686.495	-1.8612	Pass
	138	2686.494	-2.2334	Pass

Product	CBS 2.5GHz		
Test Item	Frequency Stability Over Voltage Variation		
Test Mode	Mode 3: Transmit (7MHz BW_64QAM-2/3) (ANT 1)		
Date of Test	2012/01/13	Test Site	SR7

2499.5 MHz				
Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	2499.495	-2.0004	Pass
	120	2499.495	-2.0004	Pass
	138	2499.495	-2.0004	Pass

2593 MHz				
Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	2592.995	-1.9283	Pass
	120	2592.996	-1.5426	Pass
	138	2592.995	-1.9283	Pass

2686.5 MHz				
Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	2686.494	-2.2334	Pass
	120	2686.495	-1.8612	Pass
	138	2686.494	-2.2334	Pass

Product	CBS 2.5GHz		
Test Item	Frequency Stability Over Voltage Variation		
Test Mode	Mode 4: Transmit (10MHz BW_64QAM-2/3) (ANT 0)		
Date of Test	2012/01/13	Test Site	SR7

2501 MHz				
Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	2500.994	-2.3990	Pass
	120	2500.995	-1.9992	Pass
	138	2500.995	-1.9992	Pass

2593 MHz				
Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	2592.996	-1.5426	Pass
	120	2592.995	-1.9283	Pass
	138	2592.995	-1.9283	Pass

2685 MHz				
Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	2684.994	-2.2346	Pass
	120	2684.994	-2.2346	Pass
	138	2684.994	-2.2346	Pass

Product	CBS 2.5GHz		
Test Item	Frequency Stability Over Voltage Variation		
Test Mode	Mode 4: Transmit (10MHz BW_64QAM-2/3) (ANT 1)		
Date of Test	2012/01/13	Test Site	SR7

2501 MHz				
Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	2500.994	-2.3990	Pass
	120	2500.995	-1.9992	Pass
	138	2500.995	-1.9992	Pass

2593 MHz				
Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	2592.996	-1.5426	Pass
	120	2592.995	-1.9283	Pass
	138	2592.995	-1.9283	Pass

2685 MHz				
Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	2684.994	-2.2346	Pass
	120	2684.994	-2.2346	Pass
	138	2684.994	-2.2346	Pass