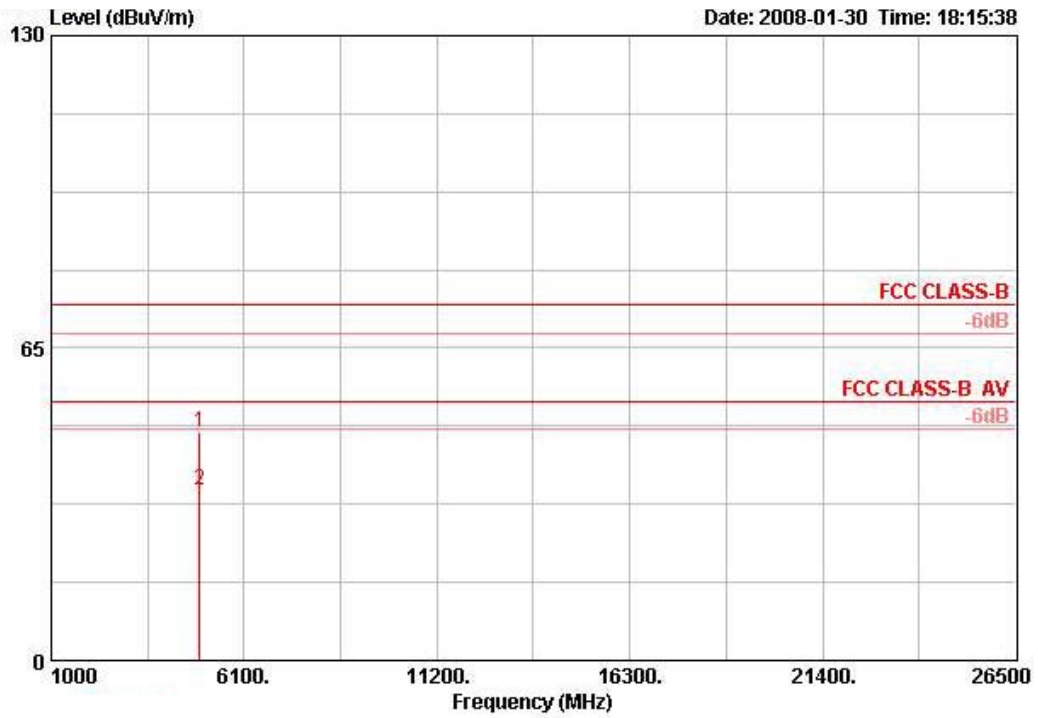


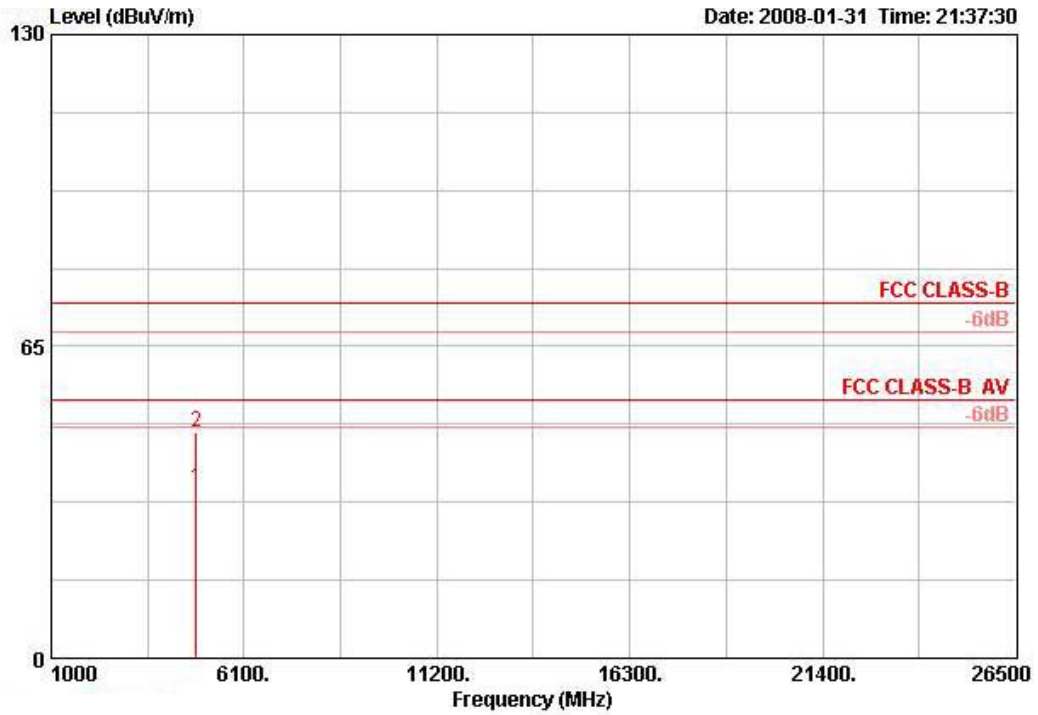
**Vertical**



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	4922.740	47.61	-26.39	74.00	41.27	33.58	8.01	35.24	PEAK	100	166	VERTICAL
2 @	4926.860	35.35	-18.65	54.00	29.00	33.58	8.01	35.24	AVERAGE	100	166	VERTICAL

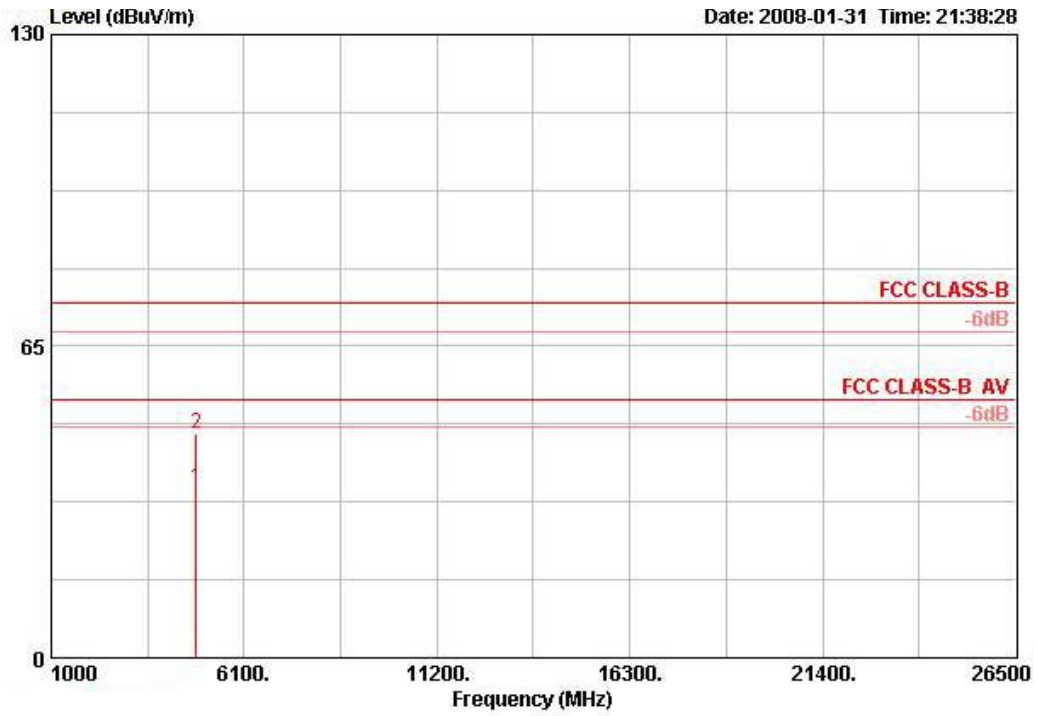
Temperature	26°C	Humidity	56%
Test Engineer	Roy Huang	Configurations	Draft n MCS16 40MHz Ch 3 / Ant. A

**Horizontal**



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBUV/m	dB	dBUV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	4843.960	35.57	-18.43	54.00	29.46	33.42	7.94	35.25	AVERAGE	100	64	HORIZONTAL
2	4843.960	47.26	-26.74	74.00	41.15	33.42	7.94	35.25	PEAK	100	64	HORIZONTAL

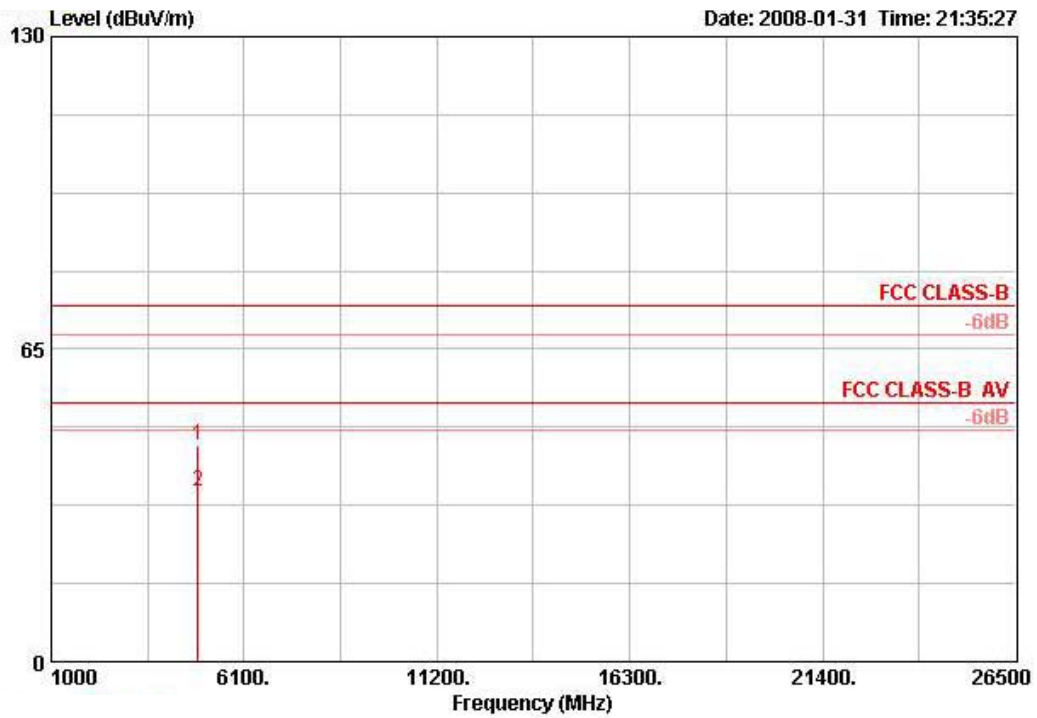
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	4843.960	35.55	-18.45	54.00	29.44	33.42	7.94	35.25	AVERAGE	100	171	VERTICAL
2	4843.960	46.59	-27.41	74.00	40.48	33.42	7.94	35.25	PEAK	100	171	VERTICAL

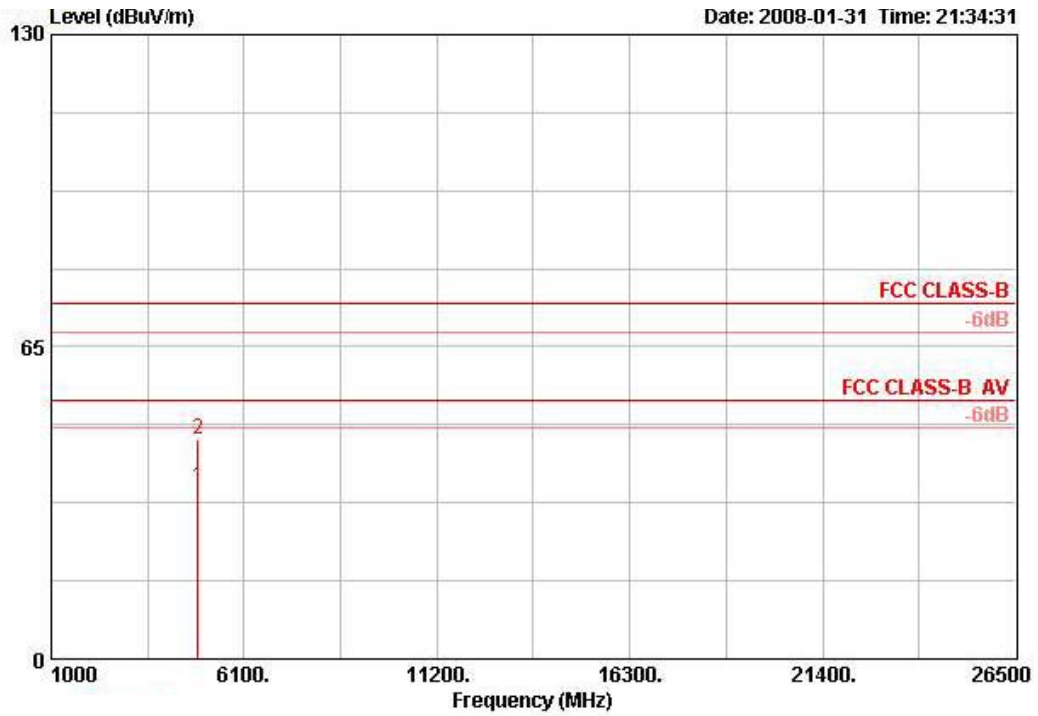
Temperature	26°C	Humidity	56%
Test Engineer	Roy Huang	Configurations	Draft n MCS16 40MHz Ch 6 / Ant. A

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBUV/m	dB	dBUV/m	dBuV	dB/m	dB	dB		cm	deg	
1	4869.900	44.99	-29.01	74.00	38.79	33.48	7.96	35.25	PEAK	100	230	HORIZONTAL
2 @	4874.020	35.57	-18.43	54.00	29.37	33.48	7.96	35.25	AVERAGE	100	230	HORIZONTAL

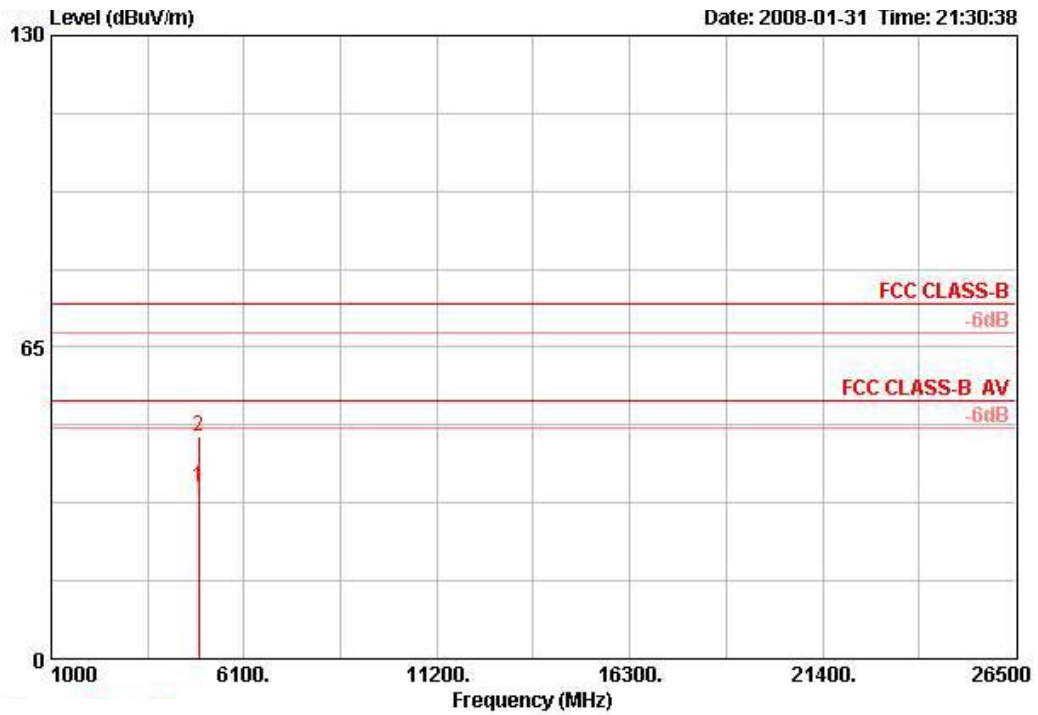
**Vertical**



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	4873.960	35.65	-18.35	54.00	29.45	33.48	7.96	35.25	AVERAGE	100	349	VERTICAL
2	4877.800	45.66	-28.34	74.00	39.46	33.48	7.96	35.25	PEAK	100	349	VERTICAL

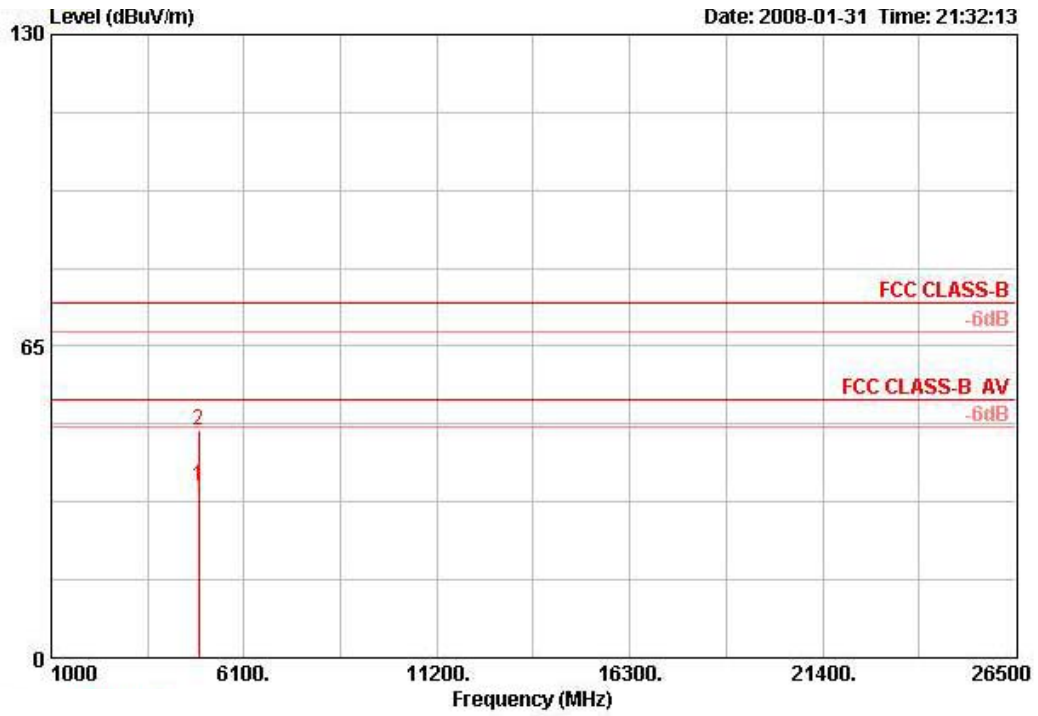
Temperature	26°C	Humidity	56%
Test Engineer	Roy Huang	Configurations	Draft n MCS16 40MHz Ch 9 / Ant. A

**Horizontal**



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBUV/m	dB	dBUV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	4904.020	35.64	-18.36	54.00	29.35	33.54	7.99	35.24	AVERAGE	100	245	HORIZONTAL
2	4904.020	46.54	-27.46	74.00	40.25	33.54	7.99	35.24	PEAK	100	245	HORIZONTAL

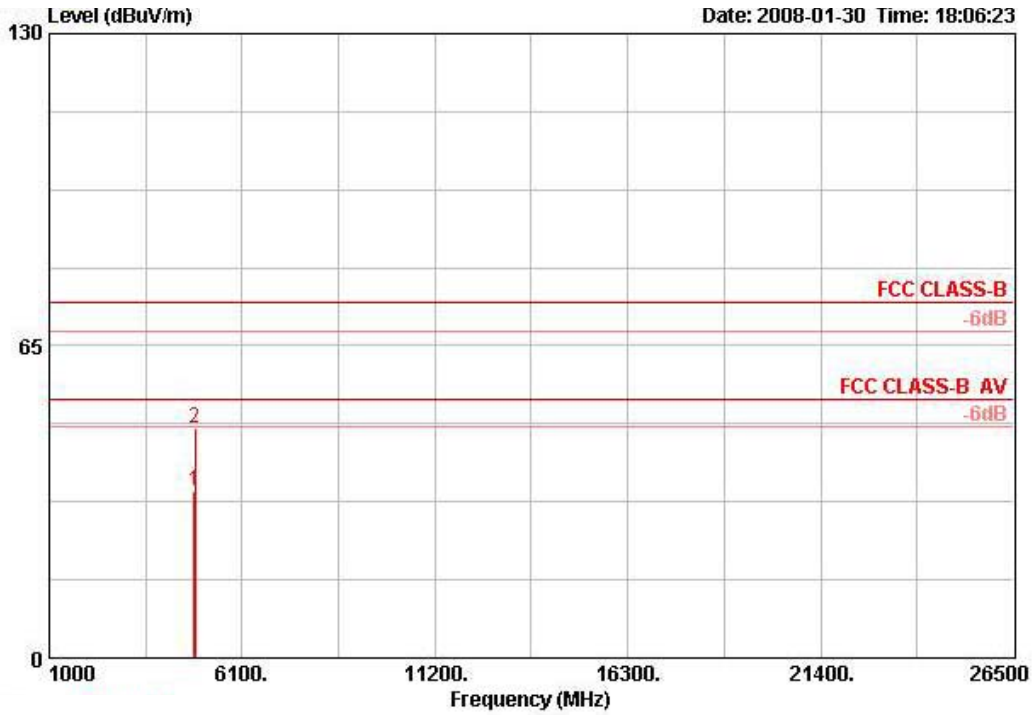
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	4904.020	35.66	-18.34	54.00	29.37	33.54	7.99	35.24	AVERAGE	8995	76	VERTICAL
2	4904.020	47.30	-26.70	74.00	41.01	33.54	7.99	35.24	PEAK	100	76	VERTICAL

Temperature	26°C	Humidity	56%
Test Engineer	Roy Huang	Configurations	Draft n MCS16 40MHz Ch 3 / Ant. D

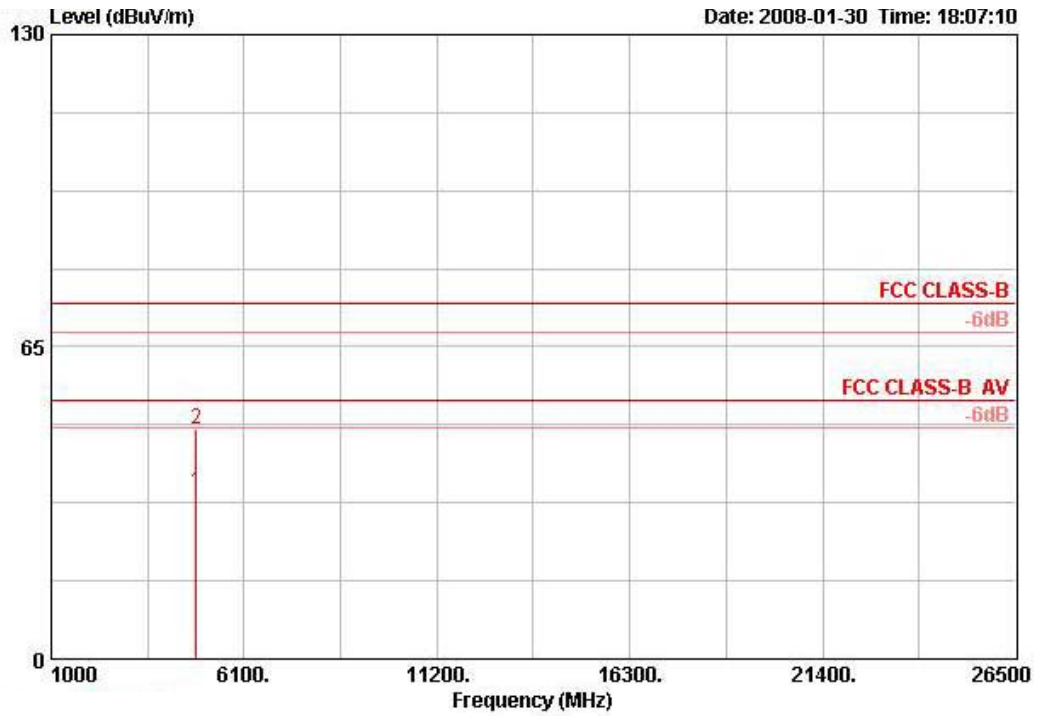
Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBUV/m	dB	dBUV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	4843.500	34.70	-19.30	54.00	28.59	33.42	7.94	35.25	AVERAGE	0	225	HORIZONTAL
2	4845.300	47.66	-26.34	74.00	41.55	33.42	7.94	35.25	PEAK	100	225	HORIZONTAL



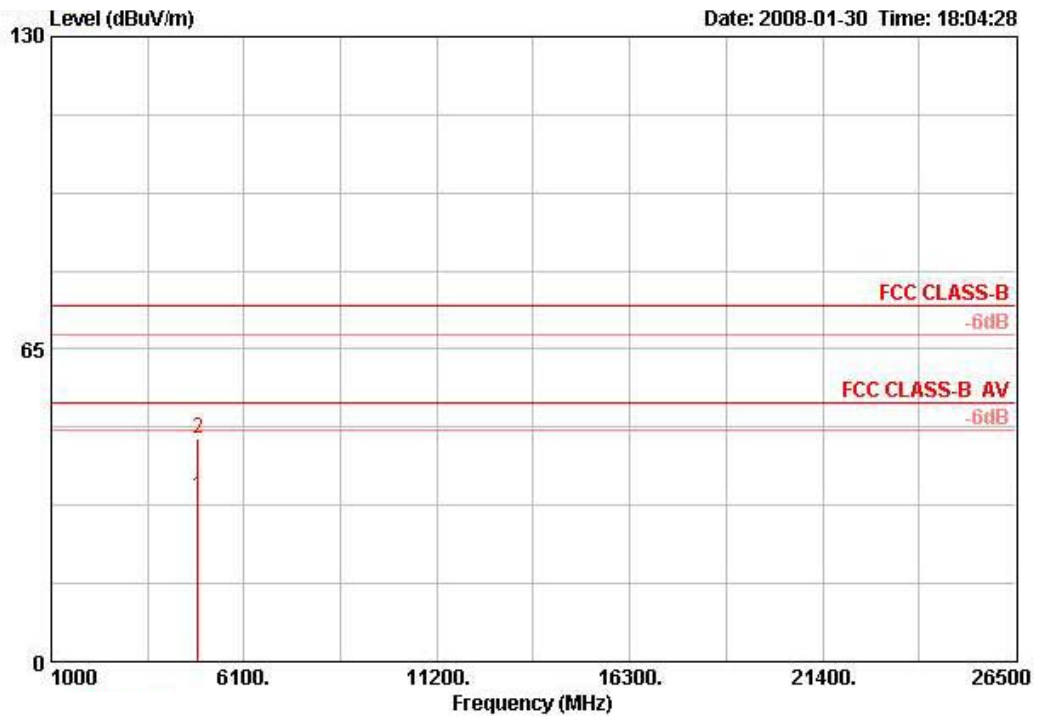
**Vertical**



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	4843.700	34.70	-19.30	54.00	28.59	33.42	7.94	35.25	AVERAGE	100	168	VERTICAL
2	4845.120	47.99	-26.01	74.00	41.88	33.42	7.94	35.25	PEAK	100	168	VERTICAL

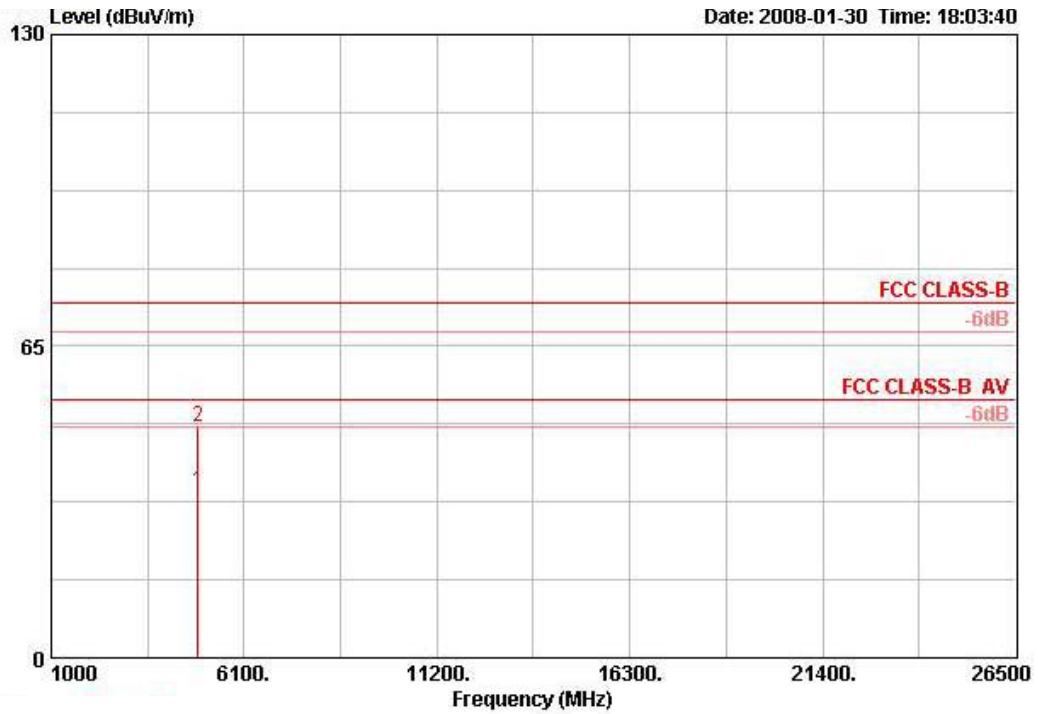
Temperature	26°C	Humidity	56%
Test Engineer	Roy Huang	Configurations	Draft n MCS16 40MHz Ch 6 / Ant. D

**Horizontal**



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	4871.980	34.52	-19.48	54.00	28.32	33.48	7.96	35.25	AVERAGE	100	63	HORIZONTAL
2	4876.120	46.56	-27.44	74.00	40.36	33.48	7.96	35.25	PEAK	100	63	HORIZONTAL

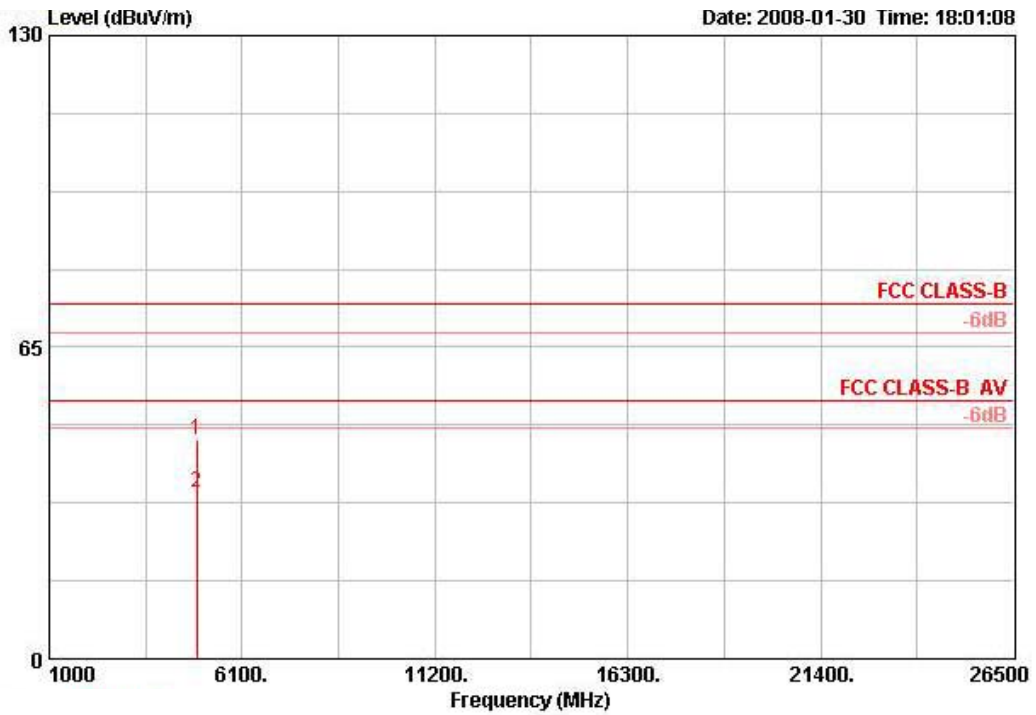
**Vertical**



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	4872.060	34.61	-19.39	54.00	28.41	33.48	7.96	35.25	AVERAGE	100	146	VERTICAL
2	4872.420	48.00	-26.00	74.00	41.80	33.48	7.96	35.25	PEAK	100	146	VERTICAL

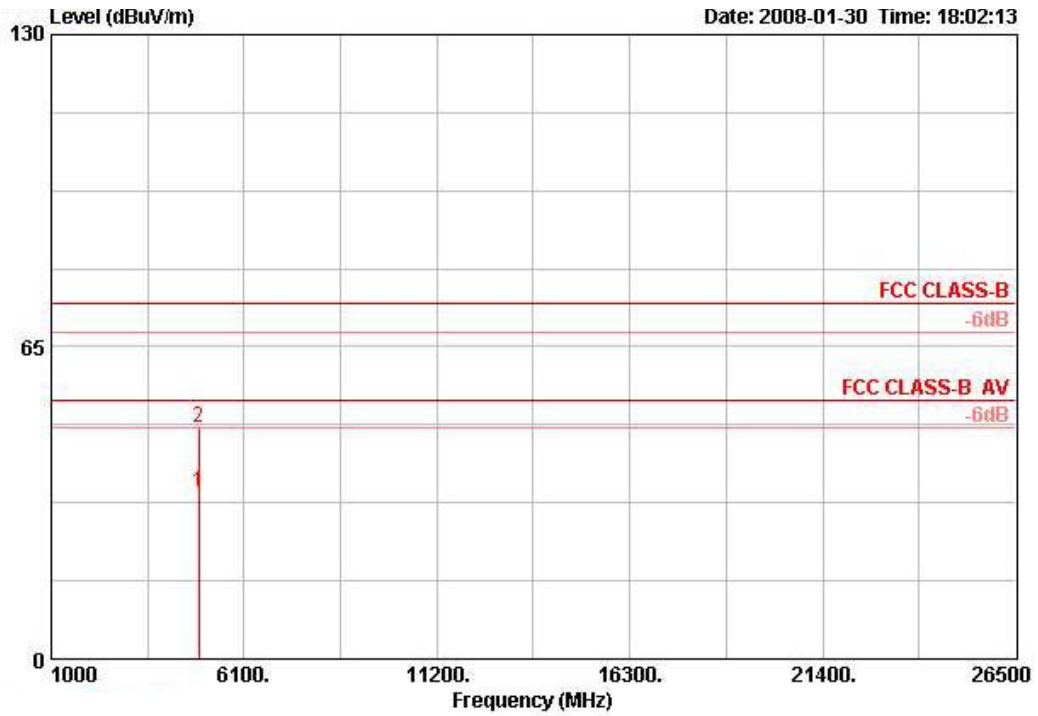
Temperature	26°C	Humidity	56%
Test Engineer	Roy Huang	Configurations	Draft n MCS16 40MHz Ch 9 / Ant. D

**Horizontal**



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBUV/m	dB	dBUV/m	dBuV	dB/m	dB	dB		cm	deg	
1	4901.060	45.54	-28.46	74.00	39.29	33.51	7.99	35.24	PEAK	100	106	HORIZONTAL
2 @	4909.000	34.56	-19.44	54.00	28.27	33.54	7.99	35.24	AVERAGE	100	106	HORIZONTAL

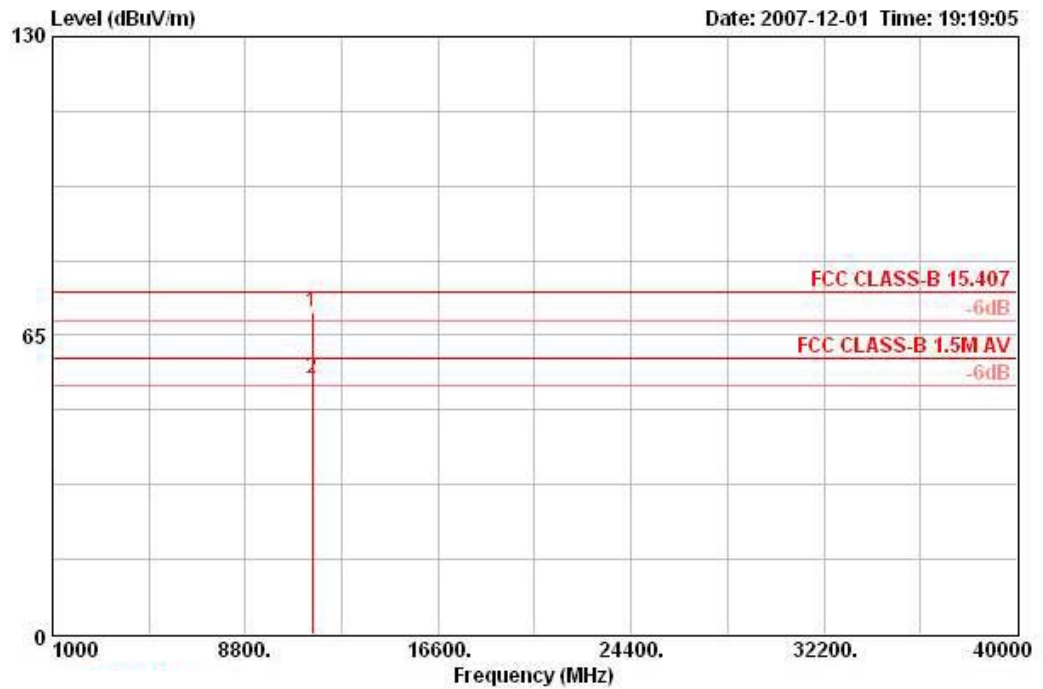
**Vertical**



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	4900.340	34.68	-19.32	54.00	28.42	33.51	7.99	35.24	AVERAGE	100	23	VERTICAL
2	4907.100	48.16	-25.84	74.00	41.87	33.54	7.99	35.24	PEAK	100	23	VERTICAL

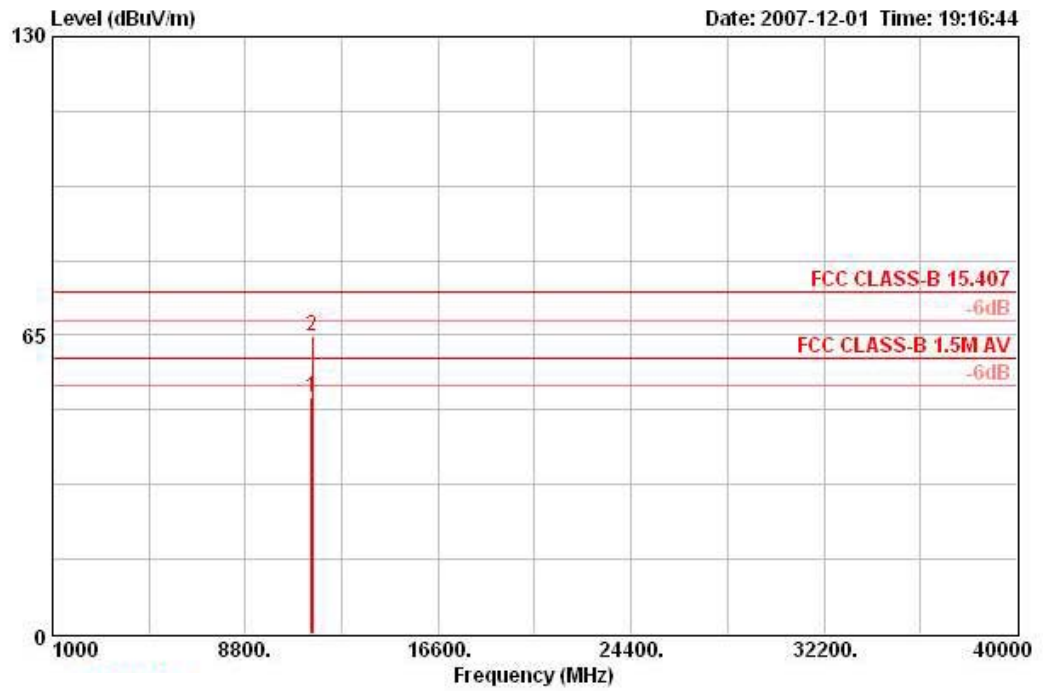
<b>Temperature</b>	26°C	<b>Humidity</b>	56%
<b>Test Engineer</b>	Roy Huang	<b>Configurations</b>	Draft n MCS16 20MHz CH 149 / Ant. B

**Horizontal**



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBUV/m	dB	dBUV/m	dBuV	dB/m	dB	dB		deg	cm	
1	11489.880	69.89	-4.41	74.30	55.25	38.50	34.75	10.90	PEAK	288	117	HORIZONTAL
2	11490.120	55.67	-4.33	60.00	41.03	38.50	34.75	10.90	AVERAGE	288	117	HORIZONTAL

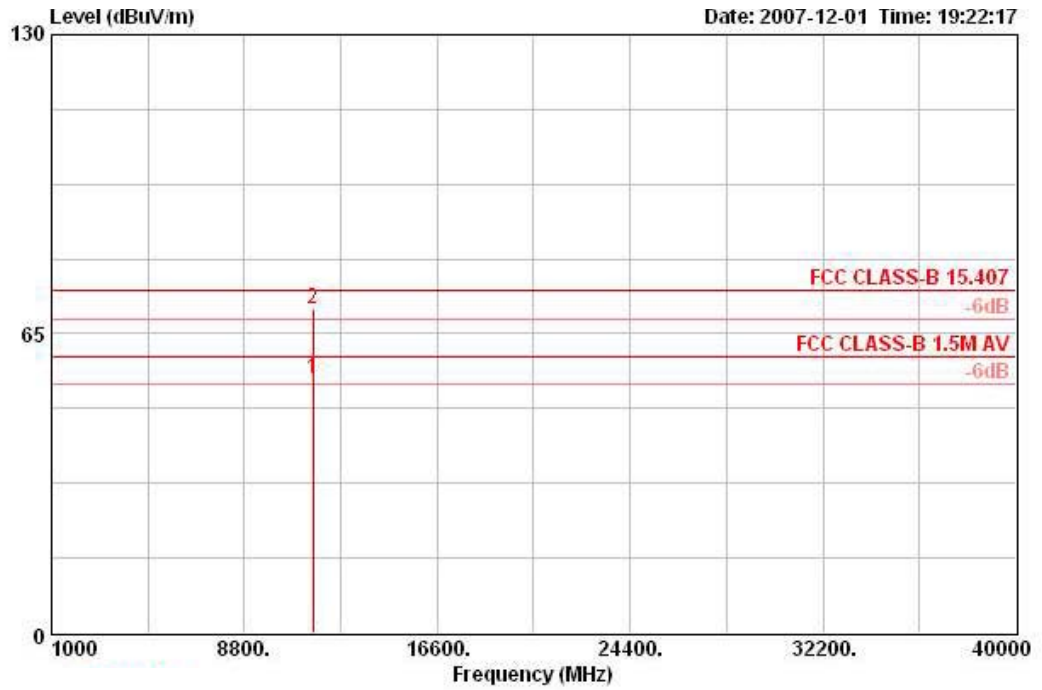
**Vertical**



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1	11487.340	51.38	-8.62	60.00	36.73	38.50	34.75	10.90	AVERAGE	253	100	VERTICAL
2	11490.200	64.70	-9.60	74.30	50.05	38.50	34.75	10.90	PEAK	253	100	VERTICAL

Temperature	26°C	Humidity	56%
Test Engineer	Roy Huang	Configurations	Draft n MCS16 20MHz CH 157 / Ant. B

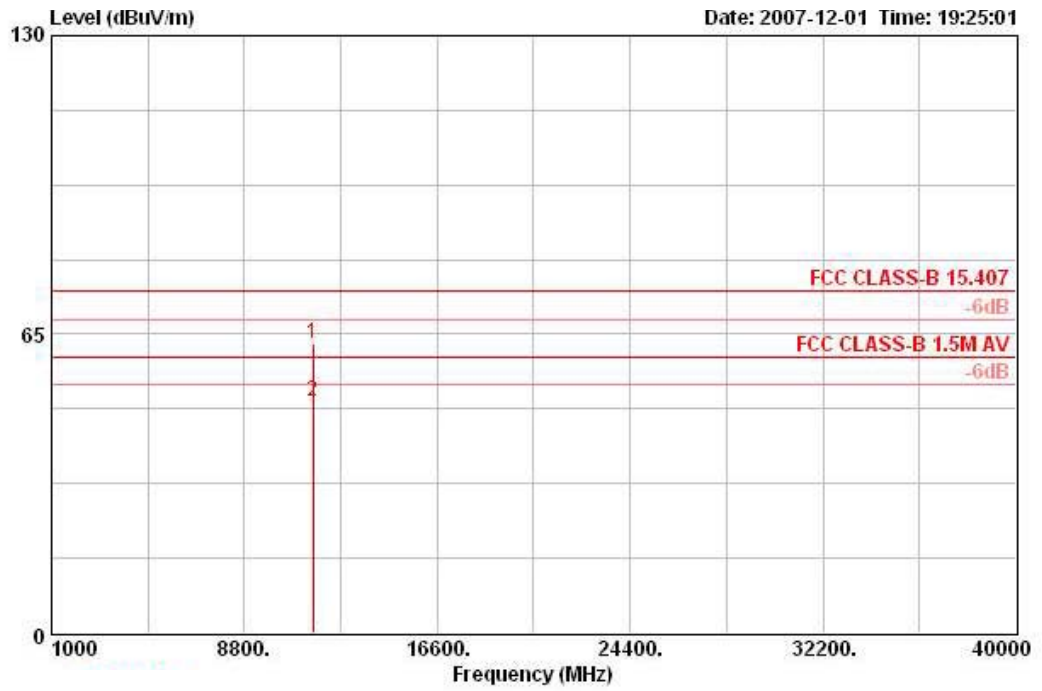
**Horizontal**



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1	11569.240	55.37	-4.63	60.00	40.79	38.51	34.80	10.86	AVERAGE	289	111	HORIZONTAL
2	11569.720	70.29	-4.01	74.30	55.72	38.51	34.80	10.86	PEAK	289	111	HORIZONTAL



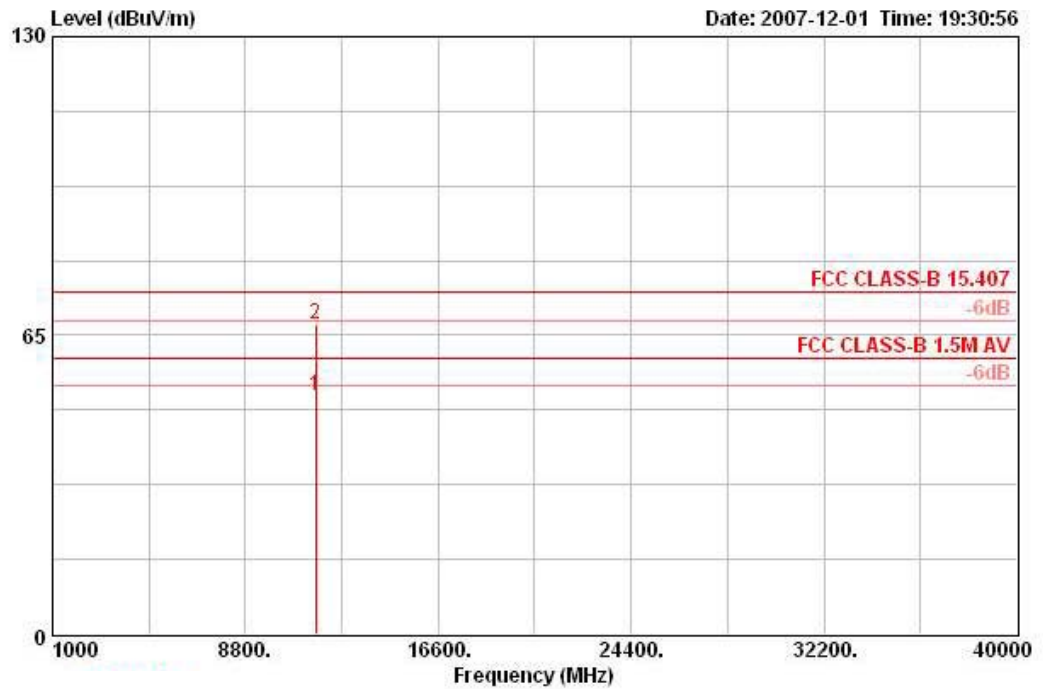
**Vertical**



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1	11565.760	62.86	-11.44	74.30	48.28	38.51	34.80	10.86	PEAK	250	100	VERTICAL
2	11566.400	50.43	-9.57	60.00	35.85	38.51	34.80	10.86	AVERAGE	250	100	VERTICAL

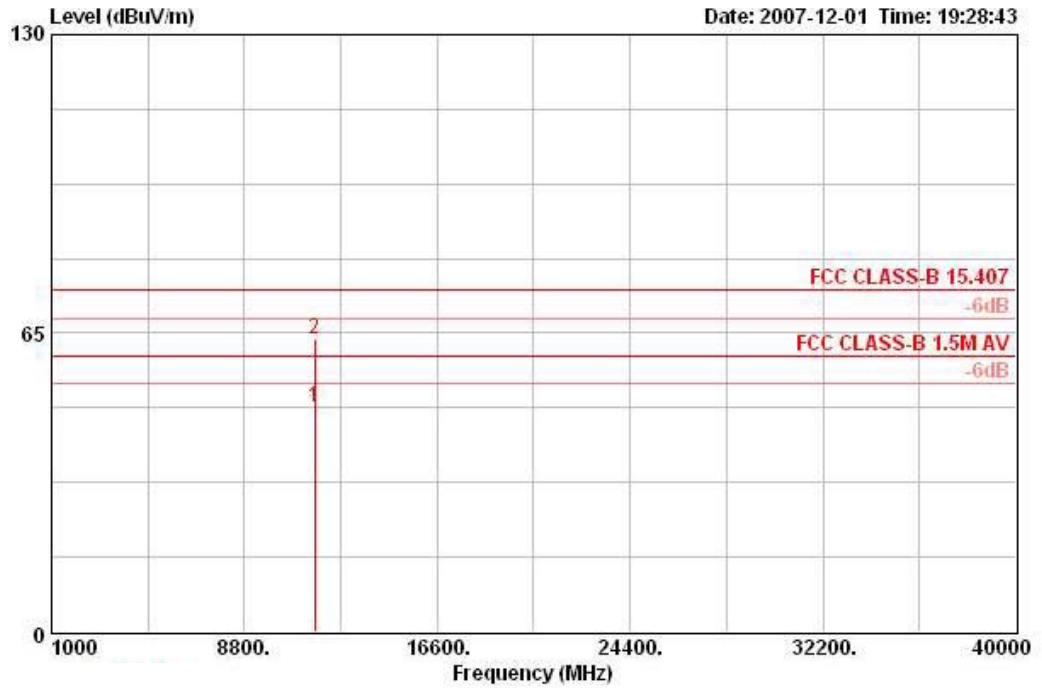
Temperature	26°C	Humidity	56%
Test Engineer	Roy Huang	Configurations	Draft n MCS16 20MHz CH 165 / Ant. B

**Horizontal**



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBUV/m	dB	dBUV/m	dBuV	dB/m	dB	dB		deg	cm	
1	11645.160	51.87	-8.13	60.00	37.46	38.53	34.87	10.76	AVERAGE	287	111	HORIZONTAL
2	11649.800	67.40	-6.90	74.30	53.05	38.53	34.90	10.72	PEAK	287	111	HORIZONTAL

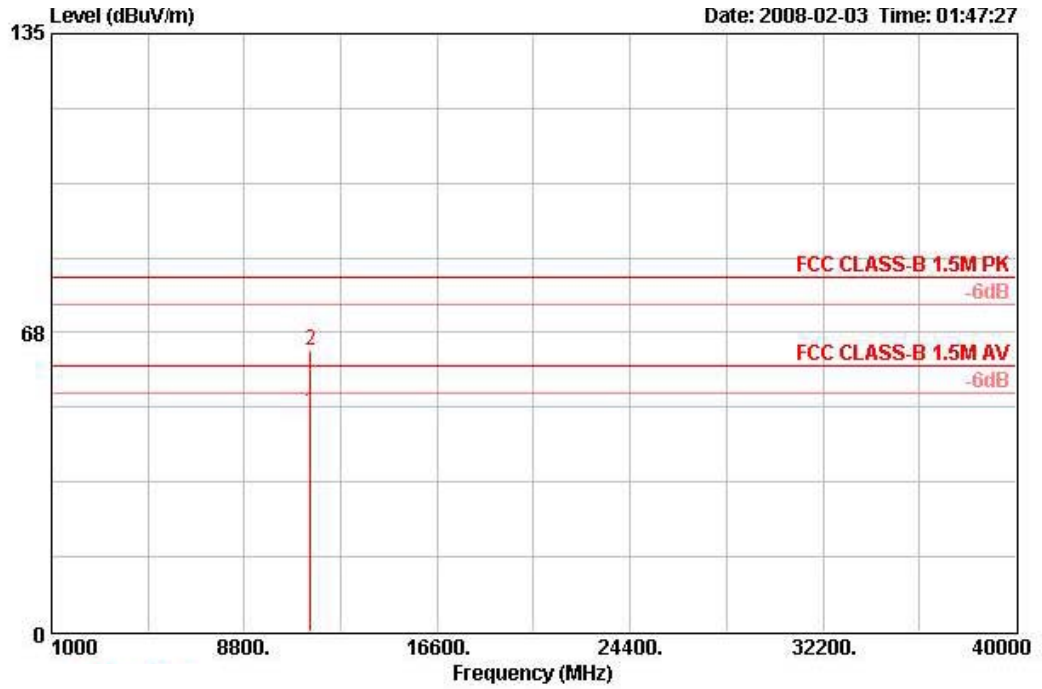
**Vertical**



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1	11649.020	48.75	-11.25	60.00	34.40	38.53	34.90	10.72	AVERAGE	279	100	VERTICAL
2	11650.000	63.56	-10.74	74.30	49.21	38.53	34.90	10.72	PEAK	279	100	VERTICAL

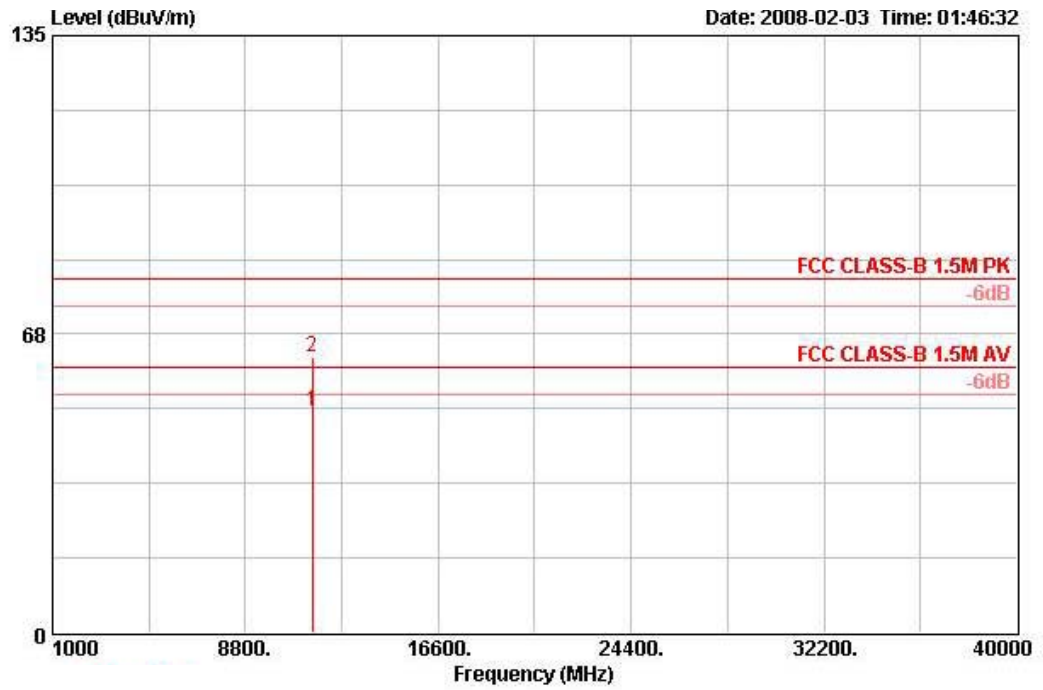
<b>Temperature</b>	26°C	<b>Humidity</b>	56%
<b>Test Engineer</b>	Roy Huang	<b>Configurations</b>	Draft n MCS16 20MHz CH 149 / Ant. D

**Horizontal**



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1	11486.560	49.53	-10.47	60.00	34.88	38.50	34.75	10.90	AVERAGE	317	104	HORIZONTAL
2	11488.420	63.62	-16.38	80.00	48.97	38.50	34.75	10.90	PEAK	317	104	HORIZONTAL

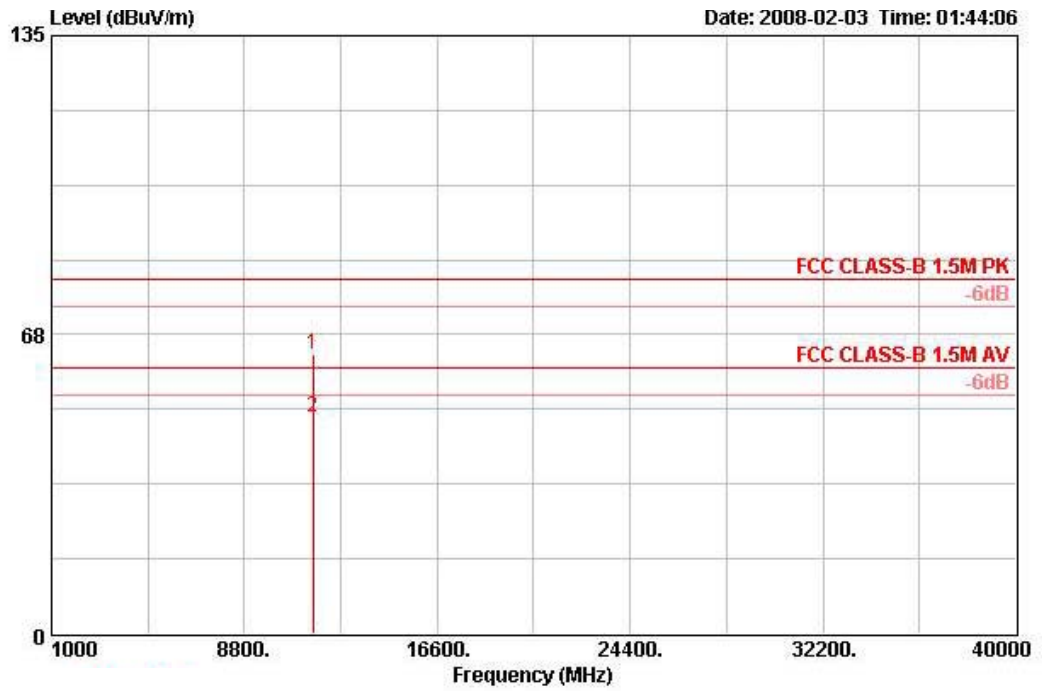
**Vertical**



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1	11492.420	50.17	-9.83	60.00	35.52	38.50	34.75	10.90	AVERAGE	330	107	VERTICAL
2	11493.360	62.49	-17.51	80.00	47.81	38.50	34.75	10.93	PEAK	330	107	VERTICAL

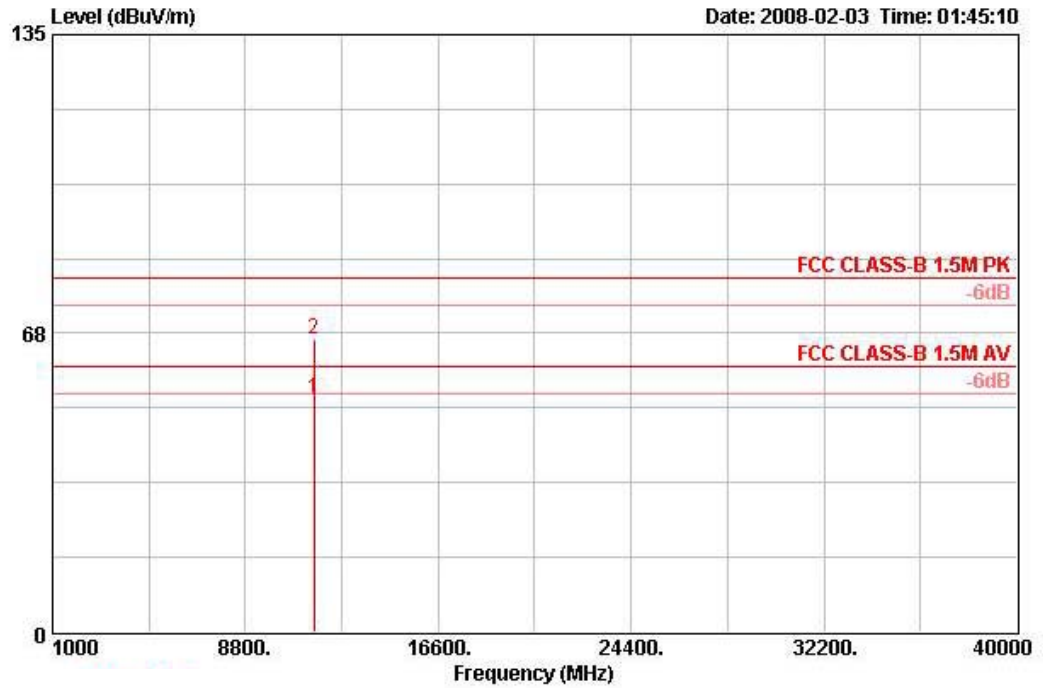
Temperature	26°C	Humidity	56%
Test Engineer	Roy Huang	Configurations	Draft n MCS16 20MHz CH 157 / Ant. D

**Horizontal**



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1	11565.420	63.14	-16.86	80.00	48.56	38.51	34.80	10.86	PEAK	314	101	HORIZONTAL
2	11568.360	48.86	-11.14	60.00	34.28	38.51	34.80	10.86	AVERAGE	314	101	HORIZONTAL

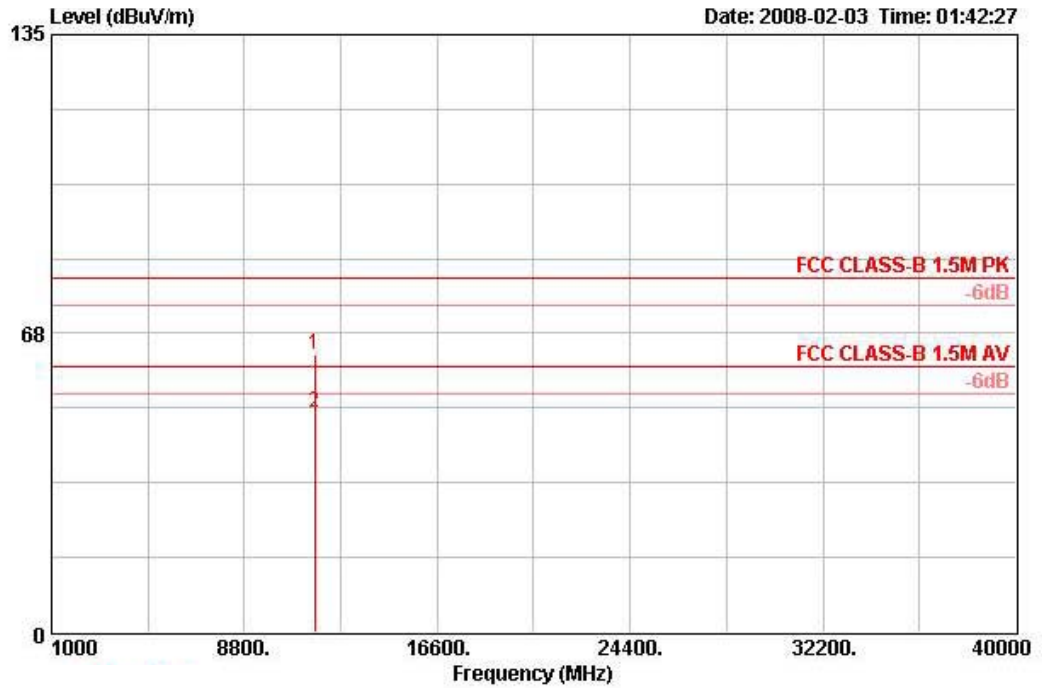
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1	11568.660	52.63	-7.37	60.00	38.05	38.51	34.80	10.86	AVERAGE	327	107	VERTICAL
2	11569.120	66.32	-13.68	80.00	51.74	38.51	34.80	10.86	PEAK	327	107	VERTICAL

Temperature	26°C	Humidity	56%
Test Engineer	Roy Huang	Configurations	Draft n MCS16 20MHz CH 165 / Ant. D

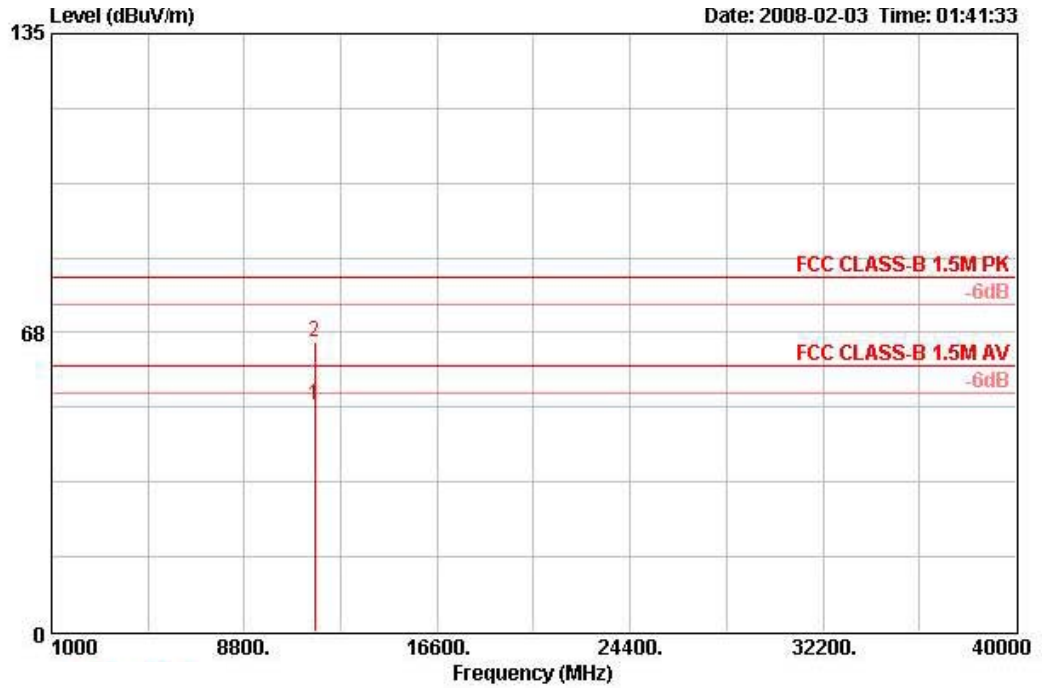
**Horizontal**



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBUV/m	dB	dBUV/m	dBuV	dB/m	dB	dB		deg	cm	
1	11645.880	62.60	-17.40	80.00	48.18	38.53	34.87	10.76	PEAK	313	101	HORIZONTAL
2	11653.760	49.59	-10.41	60.00	35.23	38.53	34.90	10.72	AVERAGE	313	101	HORIZONTAL



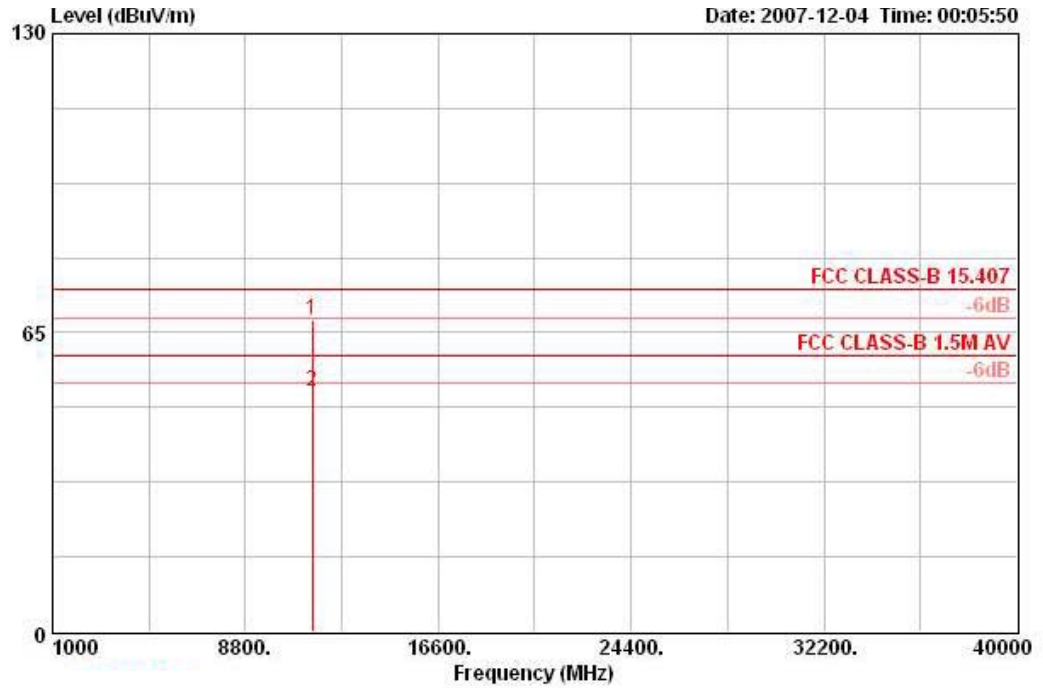
**Vertical**



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1	11648.220	51.03	-8.97	60.00	36.67	38.53	34.90	10.72	AVERAGE	332	111	VERTICAL
2	11649.580	65.23	-14.77	80.00	50.87	38.53	34.90	10.72	PEAK	332	111	VERTICAL

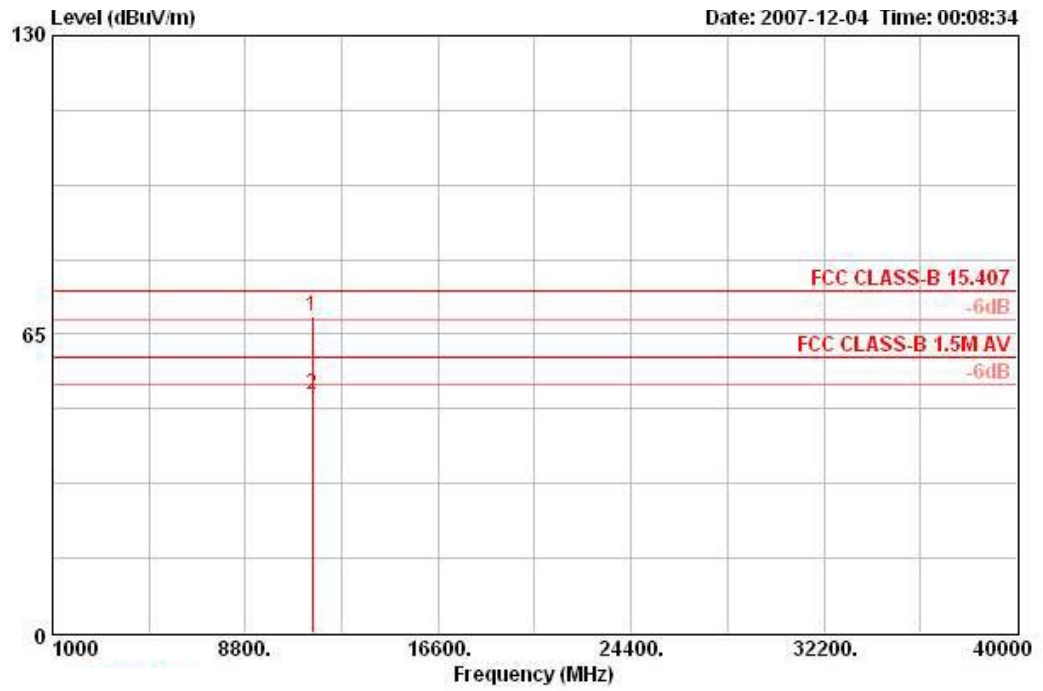
Temperature	26°C	Humidity	56%
Test Engineer	Roy Huang	Configurations	Draft n MCS16 40MHz CH 151 / Ant. B

**Horizontal**



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1	11510.000	67.85	-6.45	74.30	53.17	38.50	34.75	10.93	PEAK	286	114	HORIZONTAL
2	11510.560	52.08	-7.92	60.00	37.40	38.50	34.75	10.93	AVERAGE	286	114	HORIZONTAL

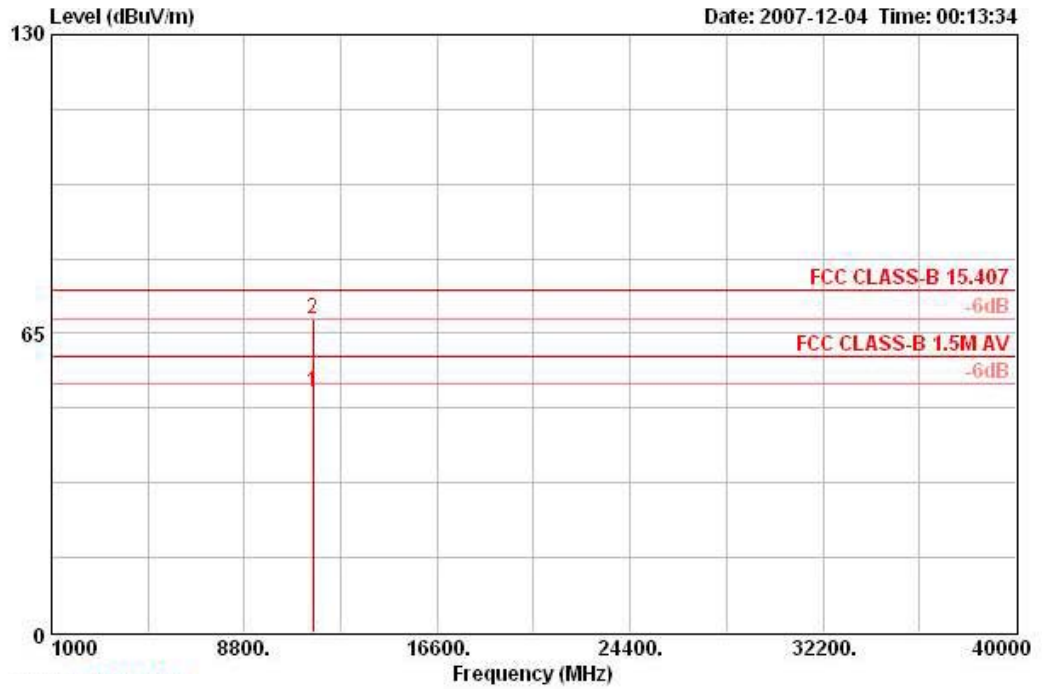
**Vertical**



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1	11510.080	68.92	-5.38	74.30	54.24	38.50	34.75	10.93	PEAK	320	106	VERTICAL
2	11510.760	51.75	-8.25	60.00	37.07	38.50	34.75	10.93	AVERAGE	320	106	VERTICAL

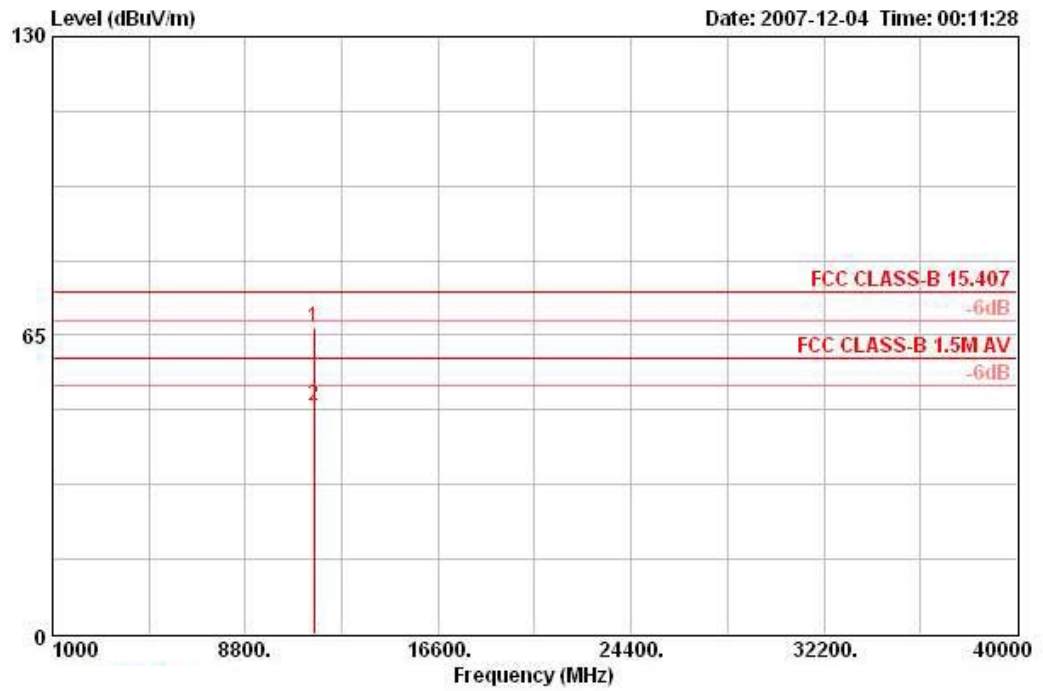
<b>Temperature</b>	26°C	<b>Humidity</b>	56%
<b>Test Engineer</b>	Roy Huang	<b>Configurations</b>	Draft n MCS16 40MHz CH 159 / Ant. B

**Horizontal**



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1	11589.440	52.33	-7.67	60.00	37.81	38.52	34.82	10.83	AVERAGE	288	103	HORIZONTAL
2	11589.920	67.97	-6.33	74.30	53.45	38.52	34.82	10.83	PEAK	288	103	HORIZONTAL

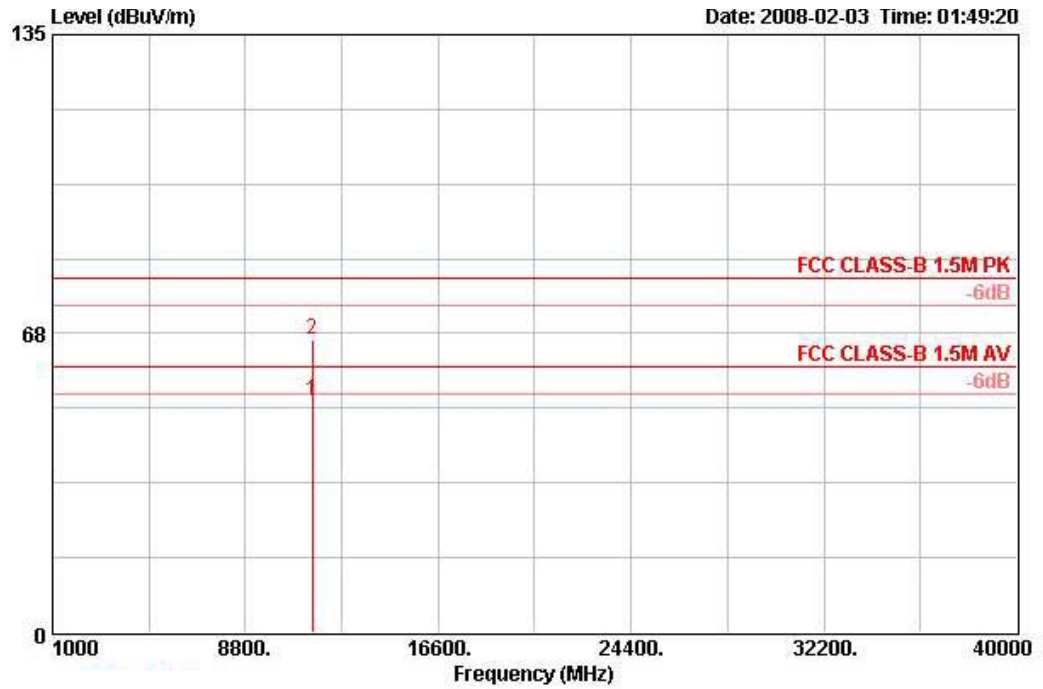
**Vertical**



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1	11590.060	66.62	-7.68	74.30	52.09	38.52	34.82	10.83	PEAK	319	105	VERTICAL
2	11590.220	49.70	-10.30	60.00	35.18	38.52	34.82	10.83	AVERAGE	319	105	VERTICAL

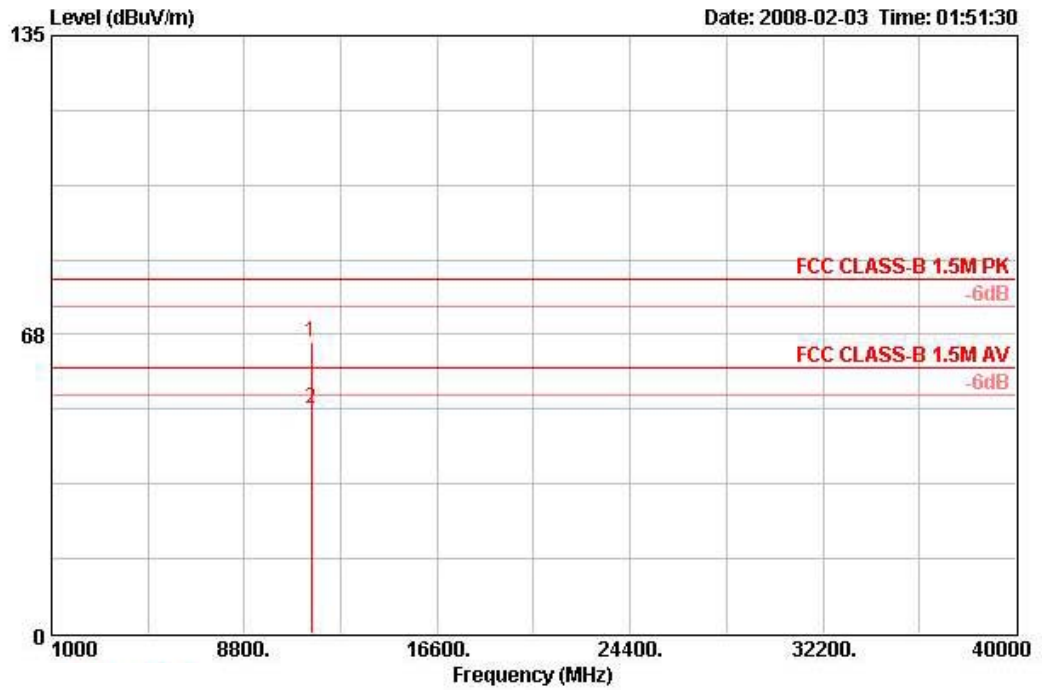
<b>Temperature</b>	26°C	<b>Humidity</b>	56%
<b>Test Engineer</b>	Roy Huang	<b>Configurations</b>	Draft n MCS16 40MHz CH 151 / Ant. D

**Horizontal**



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1	11505.080	52.26	-7.74	60.00	37.58	38.50	34.75	10.93	AVERAGE	318	100	HORIZONTAL
2	11508.540	65.98	-14.02	80.00	51.30	38.50	34.75	10.93	PEAK	318	100	HORIZONTAL

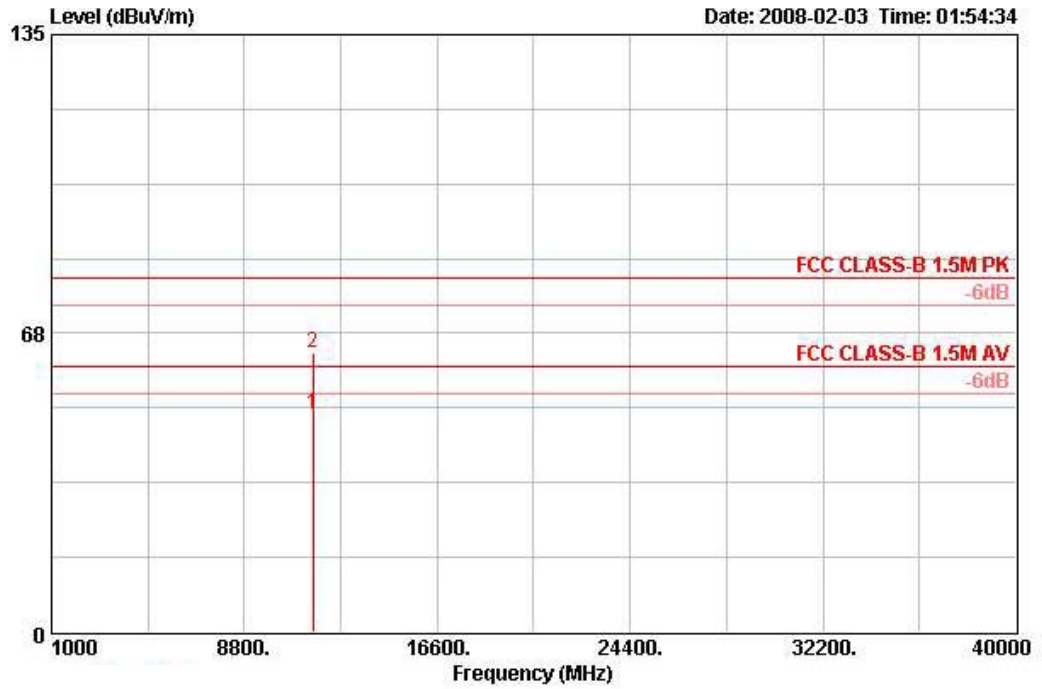
**Vertical**



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1	11506.560	65.63	-14.37	80.00	50.95	38.50	34.75	10.93	PEAK	314	100	VERTICAL
2	11514.960	50.74	-9.26	60.00	36.06	38.50	34.75	10.93	AVERAGE	314	100	VERTICAL

Temperature	26°C	Humidity	56%
Test Engineer	Roy Huang	Configurations	Draft n MCS16 40MHz CH 159 / Ant. D

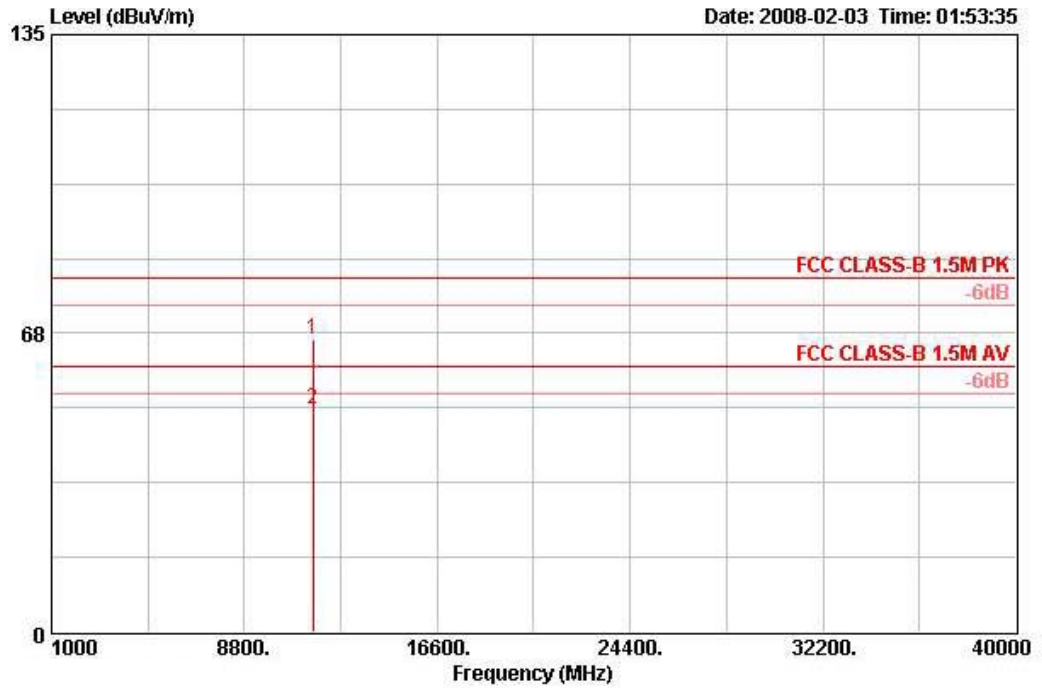
**Horizontal**



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1	11589.360	49.41	-10.59	60.00	34.89	38.52	34.82	10.83	AVERAGE	315	106	HORIZONTAL
2	11591.300	62.94	-17.06	80.00	48.41	38.52	34.82	10.83	PEAK	315	106	HORIZONTAL



**Vertical**



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1	11589.980	66.16	-13.84	80.00	51.64	38.52	34.82	10.83	PEAK	353	111	VERTICAL
2	11590.360	50.22	-9.78	60.00	35.70	38.52	34.82	10.83	AVERAGE	353	111	VERTICAL

**Note:**

The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

## 4.6. Band Edge Emissions Measurement

### 4.6.1. Limit

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

### 4.6.2. Measuring Instruments and Setting

Please refer to section 5 of equipments list in this report. The following table is the setting of the spectrum analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	100 MHz
RB / VB (Emission in restricted band)	1 MHz / 1MHz for Peak, 1 MHz / 10Hz for Average
RB / VB (Emission in non-restricted band)	100 KHz /100 KHz for Peak

### 4.6.3. Test Procedures

1. The test procedure is the same as section 4.5.3, only the frequency range investigated is limited to 100MHz around bandedges.
2. In case the emission is fail due to the used RB/VB is too wide, marker-delta method of FCC Public Notice DA00-705 will be followed.

### 4.6.4. Test Setup Layout

This test setup layout is the same as that shown in section 4.5.4.

### 4.6.5. Test Deviation

There is no deviation with the original standard.

### 4.6.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

## 4.6.7. Test Result of Band Edge and Fundamental Emissions

Temperature	26°C	Humidity	56%
Test Engineer	Roy Huang	Configurations	Draft n MCS16 20MHz Ch 1, 6, 11 / Ant. A

## Channel 1

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	2390.000	52.85	-1.15	54.00	18.97	28.05	5.84	0.00	AVERAGE	100	257	VERTICAL
2 @	2390.000	68.24	-5.76	74.00	34.35	28.05	5.84	0.00	PEAK	100	257	VERTICAL
3 @	2409.000	111.55			77.62	28.09	5.84	0.00	PEAK	100	257	VERTICAL
4 @	2411.400	100.76			66.83	28.09	5.84	0.00	AVERAGE	100	257	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz

## Channel 6

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	2435.400	104.34			70.33	28.13	5.87	0.00	AVERAGE	100	262	VERTICAL
2 @	2439.400	116.47			82.42	28.18	5.87	0.00	PEAK	100	262	VERTICAL

Item 1, 2 are the fundamental frequency at 2437MHz.

## Channel 11

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	2458.600	100.44			66.31	28.22	5.91	0.00	AVERAGE	100	147	VERTICAL
2 @	2460.800	111.68			77.55	28.22	5.91	0.00	PEAK	100	147	VERTICAL
3 @	2483.500	52.84	-1.16	54.00	18.64	28.26	5.94	0.00	AVERAGE	100	147	VERTICAL
4 @	2483.500	68.79	-5.21	74.00	34.59	28.26	5.94	0.00	PEAK	100	147	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

<b>Temperature</b>	26°C	<b>Humidity</b>	56%
<b>Test Engineer</b>	Roy Huang	<b>Configurations</b>	Draft n MCS16 20MHz Ch 1, 6, 11 / Ant. D

**Channel 1**

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	2390.000	53.46	-0.54	54.00	19.57	28.05	5.84	0.00	AVERAGE	100	188	VERTICAL
2 @	2390.000	68.39	-5.61	74.00	34.50	28.05	5.84	0.00	PEAK	100	188	VERTICAL
3 @	2407.400	98.66			64.74	28.09	5.84	0.00	AVERAGE	100	188	VERTICAL
4 @	2409.000	111.87			77.94	28.09	5.84	0.00	PEAK	100	188	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz

**Channel 6**

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	2441.000	113.26			79.18	28.18	5.91	0.00	PEAK	100	158	VERTICAL
2 @	2441.400	101.47			67.39	28.18	5.91	0.00	AVERAGE	100	158	VERTICAL

Item 1, 2 are the fundamental frequency at 2437MHz.

**Channel 11**

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	2458.000	98.19			64.07	28.22	5.91	0.00	AVERAGE	100	214	VERTICAL
2 @	2458.800	108.26			74.14	28.22	5.91	0.00	PEAK	100	214	VERTICAL
3 @	2483.500	52.38	-1.62	54.00	18.18	28.26	5.94	0.00	AVERAGE	100	214	VERTICAL
4 @	2483.500	67.30	-6.70	74.00	33.10	28.26	5.94	0.00	PEAK	100	214	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

<b>Temperature</b>	26°C	<b>Humidity</b>	56%
<b>Test Engineer</b>	Roy Huang	<b>Configurations</b>	Draft n MCS16 40MHz Ch 3, 6, 9 / Ant. A

**Channel 3**

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	2390.000	53.72	-0.28	54.00	19.83	28.05	5.84	0.00	AVERAGE	100	76	VERTICAL
2 @	2390.000	72.47	-1.53	74.00	38.58	28.05	5.84	0.00	PEAK	100	76	VERTICAL
3 @	2408.000	106.48			72.55	28.09	5.84	0.00	PEAK	100	76	VERTICAL
4 @	2422.000	94.50			60.49	28.13	5.87	0.00	AVERAGE	100	76	VERTICAL

Item 3, 4 are the fundamental frequency at 2422 MHz.

**Channel 6**

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	2420.200	109.80			75.79	28.13	5.87	0.00	PEAK	100	201	VERTICAL
2 @	2426.200	97.64			63.63	28.13	5.87	0.00	AVERAGE	100	201	VERTICAL

Item 1, 2 are the fundamental frequency at 2437MHz.

**Channel 9**

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	2443.600	93.81			59.73	28.18	5.91	0.00	AVERAGE	100	251	VERTICAL
2 @	2448.400	106.02			71.93	28.18	5.91	0.00	PEAK	100	251	VERTICAL
3 @	2483.500	52.54	-1.46	54.00	18.34	28.26	5.94	0.00	AVERAGE	100	251	VERTICAL
4 @	2483.500	68.49	-5.51	74.00	34.29	28.26	5.94	0.00	PEAK	100	251	VERTICAL

Item 1, 2 are the fundamental frequency at 2452 MHz.

<b>Temperature</b>	26°C	<b>Humidity</b>	56%
<b>Test Engineer</b>	Roy Huang	<b>Configurations</b>	Draft n MCS16 40MHz Ch 3, 6, 9 / Ant. D

**Channel 3**

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	2388.800	68.05	-5.95	74.00	34.20	28.05	5.80	0.00	PEAK	100	190	VERTICAL
2 @	2390.000	52.90	-1.10	54.00	19.01	28.05	5.84	0.00	AVERAGE	100	190	VERTICAL
3 @	2405.600	91.93			58.00	28.09	5.84	0.00	AVERAGE	100	190	VERTICAL
4 @	2415.600	102.82			68.86	28.09	5.87	0.00	PEAK	100	190	VERTICAL

Item 1, 2 are the fundamental frequency at 2422 MHz.

**Channel 6**

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	2428.200	97.87			63.86	28.13	5.87	0.00	AVERAGE	100	151	VERTICAL
2 @	2429.800	110.77			76.76	28.13	5.87	0.00	PEAK	100	151	VERTICAL

Item 1, 2 are the fundamental frequency at 2437MHz.

**Channel 9**

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	2457.600	104.92			70.80	28.22	5.91	0.00	PEAK	100	280	VERTICAL
2 @	2458.800	91.76			57.64	28.22	5.91	0.00	AVERAGE	100	280	VERTICAL
3 @	2483.050	67.03	-6.97	74.00	32.82	28.26	5.94	0.00	PEAK	100	280	VERTICAL
4 @	2483.500	52.51	-1.49	54.00	18.31	28.26	5.94	0.00	AVERAGE	100	280	VERTICAL

Item 1, 2 are the fundamental frequency at 2452 MHz.



<b>Temperature</b>	26°C	<b>Humidity</b>	56%
<b>Test Engineer</b>	Roy Huang	<b>Configurations</b>	Draff n MCS16 20MHz CH 149, 157, 165 / Ant. B

**Channel 149**

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1 ☺	5743.000	111.70			72.97	34.32	0.00	4.41	AVERAGE	252	124	VERTICAL
2 ☺	5743.800	124.52			85.79	34.32	0.00	4.41	PEAK	252	124	VERTICAL

Item 1, 2 are the fundamental frequency at 5745 MHz.

**Channel 157**

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1 ☺	5779.000	122.35			83.51	34.43	0.00	4.41	PEAK	75	106	VERTICAL
2 ☺	5779.800	110.25			71.41	34.43	0.00	4.41	AVERAGE	75	106	VERTICAL

Item 1, 2 are the fundamental frequency at 5785 MHz.

**Channel 165**

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1 ☺	5820.400	123.07			84.06	34.58	0.00	4.42	PEAK	208	125	VERTICAL
2 ☺	5821.000	110.57			71.57	34.58	0.00	4.42	AVERAGE	208	125	VERTICAL

Item 1, 2 are the fundamental frequency at 5825 MHz.

<b>Temperature</b>	26°C	<b>Humidity</b>	56%
<b>Test Engineer</b>	Roy Huang	<b>Configurations</b>	Draff n MCS16 20MHz CH 149, 157, 165 / Ant. D

**Channel 149**

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1 ☺	5746.200	127.32			88.59	34.32	0.00	4.41	PEAK	178	100	VERTICAL
2 ☺	5750.200	113.93			75.21	34.32	0.00	4.41	AVERAGE	178	100	VERTICAL

Item 1, 2 are the fundamental frequency at 5745 MHz.

**Channel 157**

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1 ☺	5780.400	129.86			91.02	34.43	0.00	4.41	PEAK	183	100	VERTICAL
2 ☺	5782.200	115.77			76.92	34.43	0.00	4.42	AVERAGE	183	100	VERTICAL

Item 1, 2 are the fundamental frequency at 5785 MHz.

**Channel 165**

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1 ☺	5824.200	117.02			78.01	34.58	0.00	4.42	AVERAGE	197	100	VERTICAL
2 ☺	5824.200	129.64			90.63	34.58	0.00	4.42	PEAK	197	100	VERTICAL

Item 1, 2 are the fundamental frequency at 5825 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.



<b>Temperature</b>	26°C	<b>Humidity</b>	56%
<b>Test Engineer</b>	Roy Huang	<b>Configurations</b>	Draft n MCS16 40MHz CH 151, 159 / Ant. B

**Channel 151**

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1	5745.000	119.31			80.58	34.32	0.00	4.41	PEAK	84	115	VERTICAL
2	5750.200	106.76			68.03	34.32	0.00	4.41	AVERAGE	84	115	VERTICAL

Item 1, 2 are the fundamental frequency at 5755 MHz.

**Channel 159**

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1	5798.600	108.52			69.62	34.48	0.00	4.42	AVERAGE	248	111	VERTICAL
2	5800.600	122.59			83.70	34.48	0.00	4.42	PEAK	248	111	VERTICAL

Item 1, 2 are the fundamental frequency at 5795 MHz.

<b>Temperature</b>	26°C	<b>Humidity</b>	56%
<b>Test Engineer</b>	Roy Huang	<b>Configurations</b>	Draft n MCS16 40MHz CH 151, 159 / Ant. D

**Channel 151**

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1	5747.400	127.71			88.98	34.32	0.00	4.41	PEAK	181	103	VERTICAL
2	5749.800	114.79			76.06	34.32	0.00	4.41	AVERAGE	181	103	VERTICAL

Item 1, 2 are the fundamental frequency at 5755 MHz.

**Channel 159**

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1	5779.400	114.33			75.49	34.43	0.00	4.41	AVERAGE	180	101	VERTICAL
2	5793.400	127.46			88.56	34.48	0.00	4.42	PEAK	180	101	VERTICAL

Item 1, 2 are the fundamental frequency at 5795 MHz.

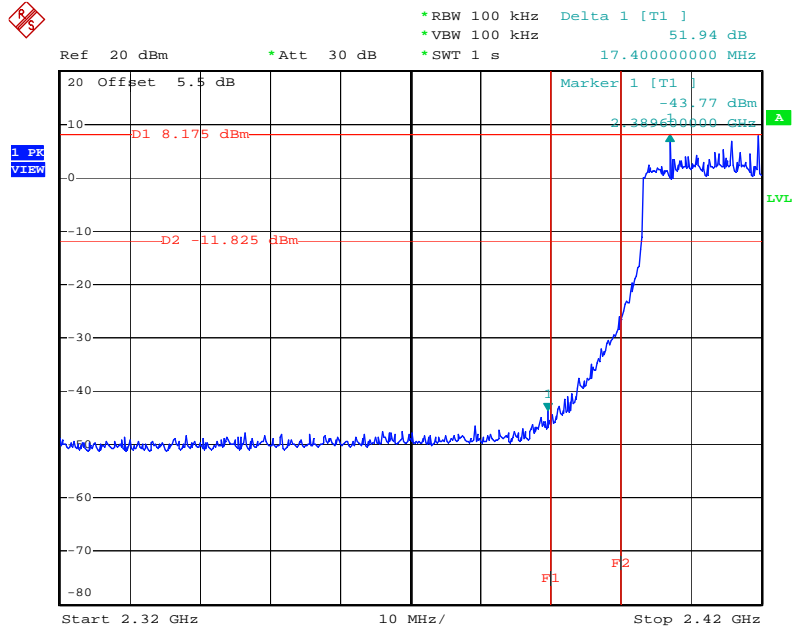
Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

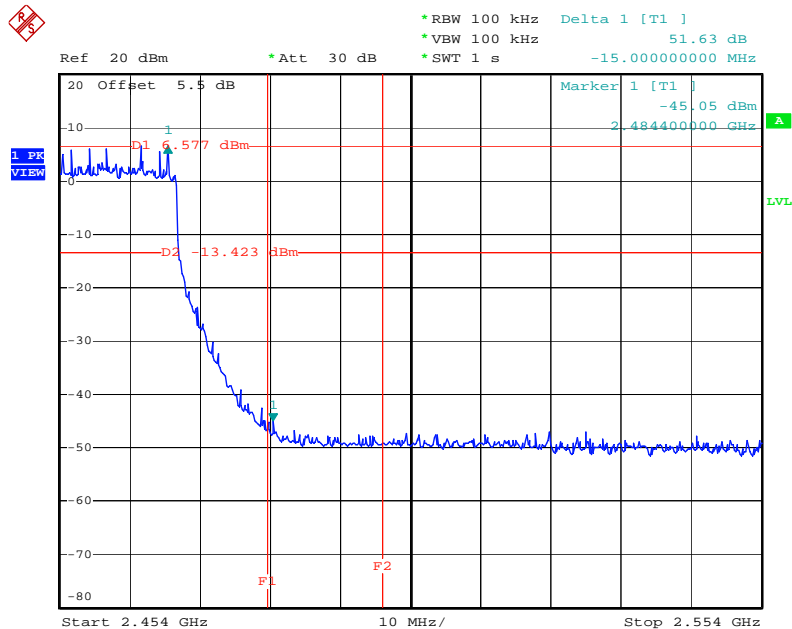
For Emission not in Restricted Band

Low Band Edge Plot on Configuration Draft n MCS16 20MHz Ant. A-1 + Ant. A-2 + Ant. A-3 / 2412 MHz



Date: 14.FEB.2008 07:01:33

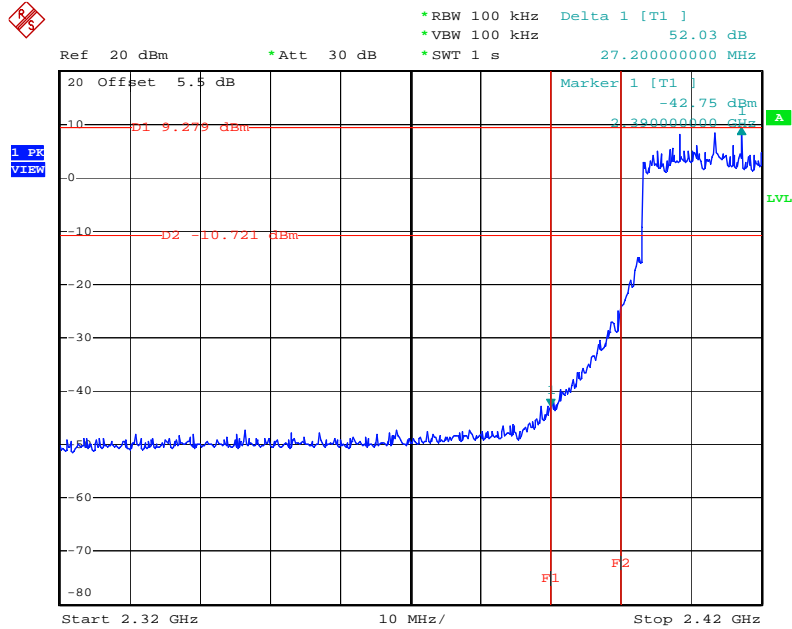
High Band Edge Plot on Configuration Draft n MCS16 20MHz Ant. A-1 + Ant. A-2 + Ant. A-3 / 2462 MHz



Date: 14.FEB.2008 07:03:26

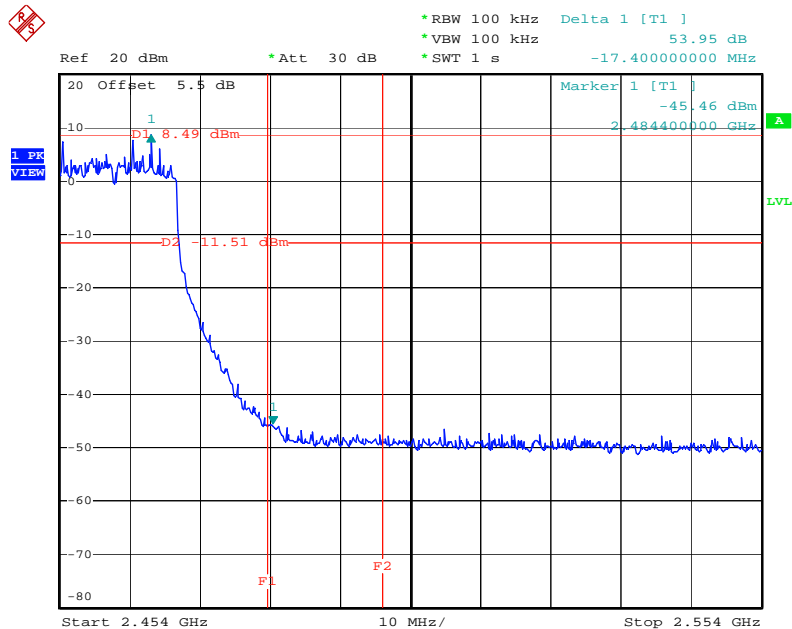
**For Emission not in Restricted Band**

**Low Band Edge Plot on Configuration Drafft n MCS16 20MHz Ant. D-1 + Ant. D-2 + Ant. D-3 / 2412 MHz**



Date: 14.FEB.2008 07:20:56

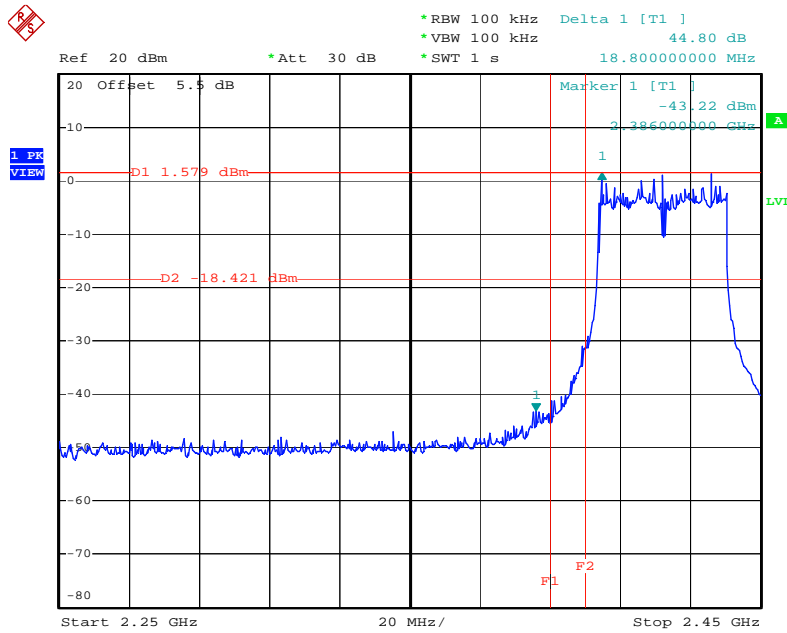
**High Band Edge Plot on Configuration Drafft n MCS16 20MHz Ant. D-1 + Ant. D-2 + Ant. D-3 / 2462 MHz**



Date: 14.FEB.2008 07:22:49

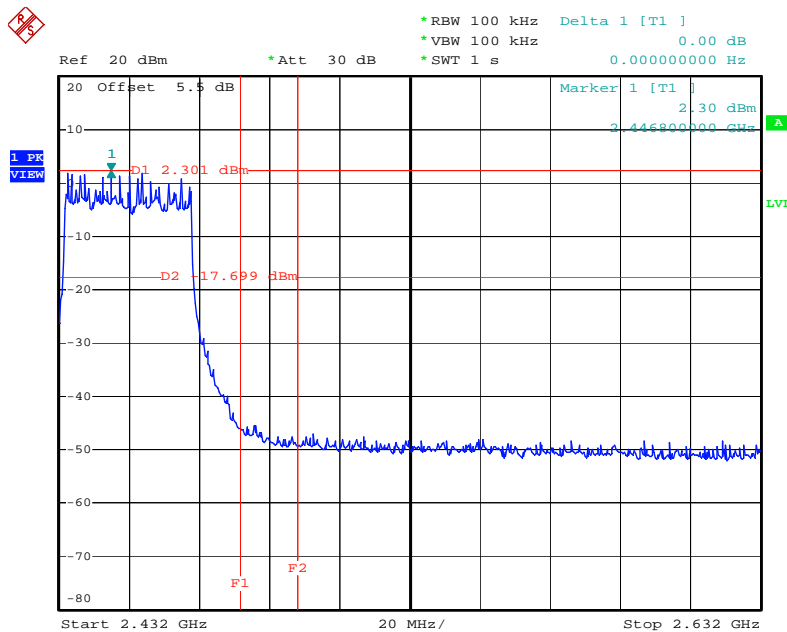
For Emission not in Restricted Band

Low Band Edge Plot on Configuration Drafft n MCS16 40MHz Ant. A-1 + Ant. A-2 + Ant. A-3 / 2422 MHz



Date: 14.FEB.2008 07:05:47

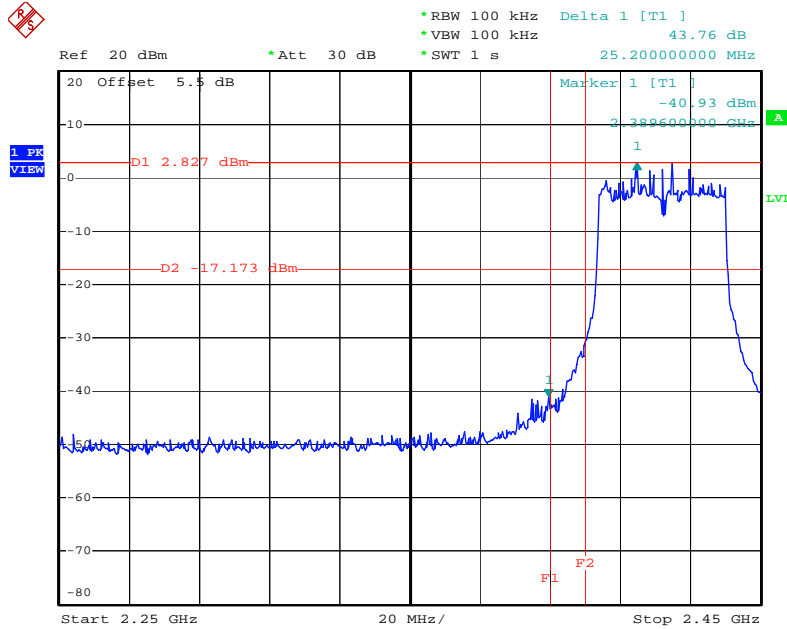
High Band Edge Plot on Configuration Drafft n MCS16 40MHz Ant. A-1 + Ant. A-2 + Ant. A-3 / 2452 MHz



Date: 14.FEB.2008 07:09:24

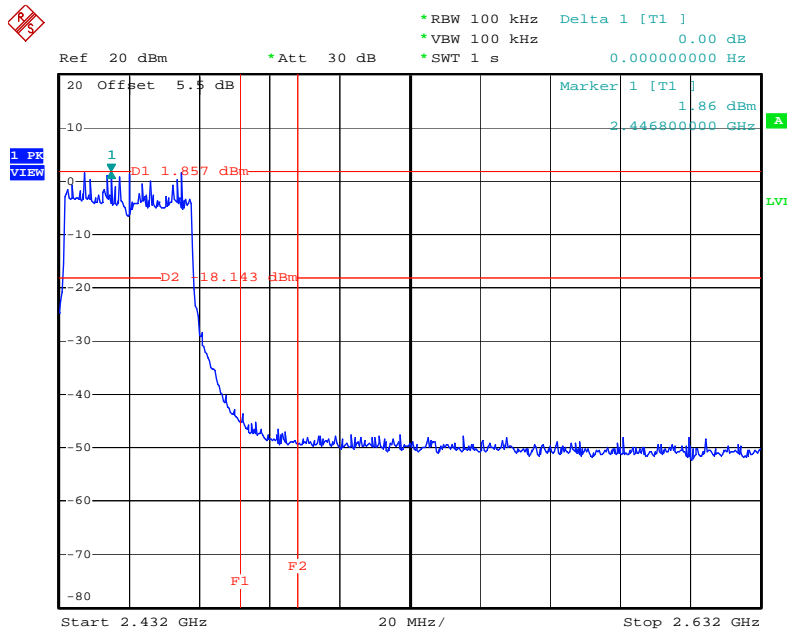
For Emission not in Restricted Band

Low Band Edge Plot on Configuration Drafft n MCS16 40MHz Ant. D-1 + Ant. D-2 + Ant. D-3 / 2422 MHz



Date: 14.FEB.2008 07:19:10

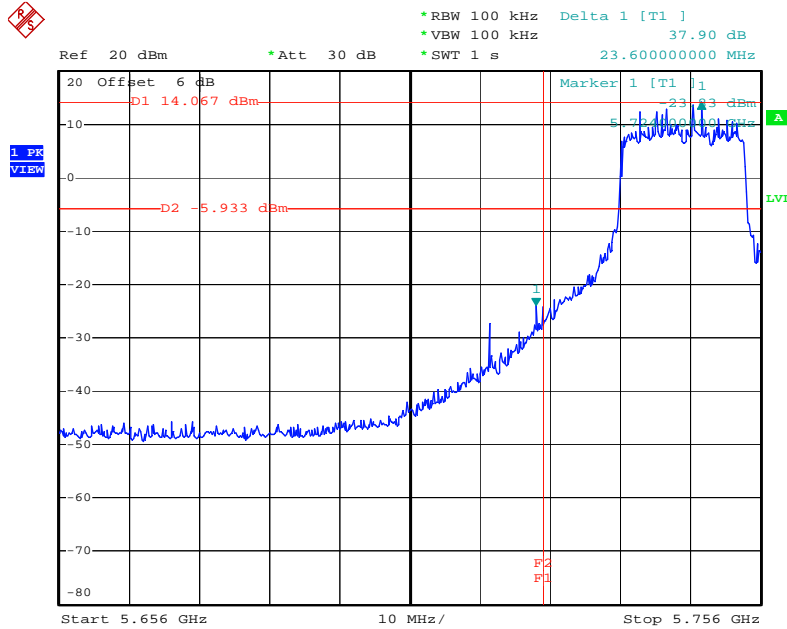
High Band Edge Plot on Configuration Drafft n MCS16 40MHz Ant. D-1 + Ant. D-2 + Ant. D-3 / 2452 MHz



Date: 14.FEB.2008 07:16:46

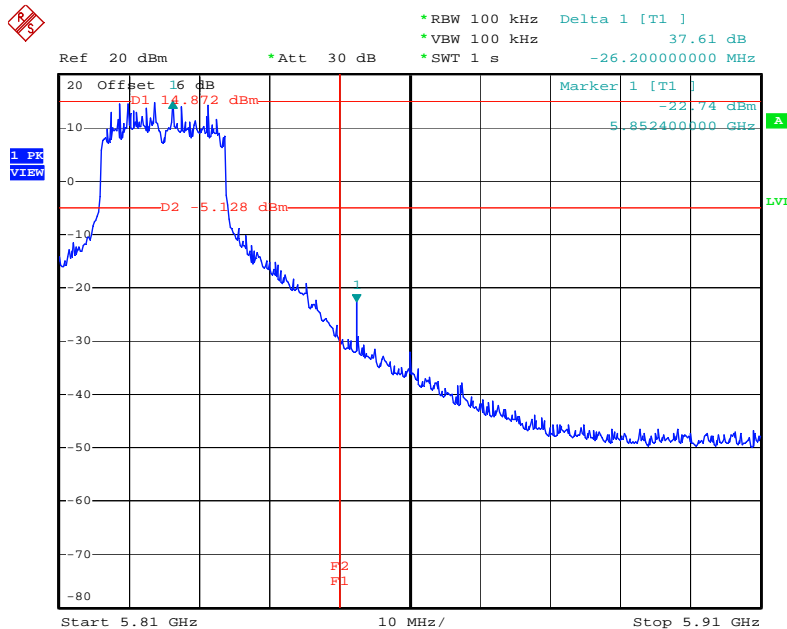
For Emission not in Restricted Band

Low Band Edge Plot on Configuration Drafft n MCS16 20MHz Ant. B-1 + Ant. B-2 + Ant. B-3 / 5745 MHz



Date: 15.FEB.2008 08:54:39

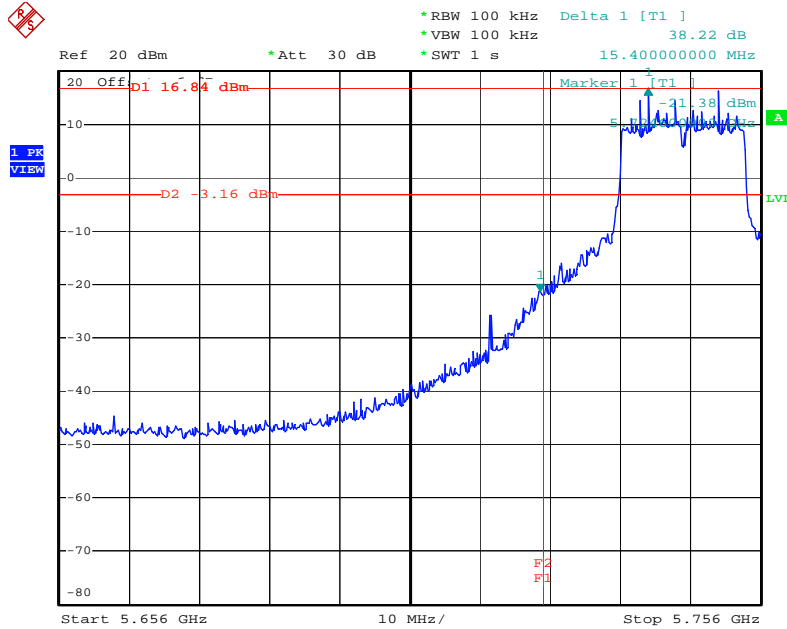
High Band Edge Plot on Configuration Drafft n MCS16 20MHz Ant. B-1 + Ant. B-2 + Ant. B-3 / 5825 MHz



Date: 15.FEB.2008 09:05:42

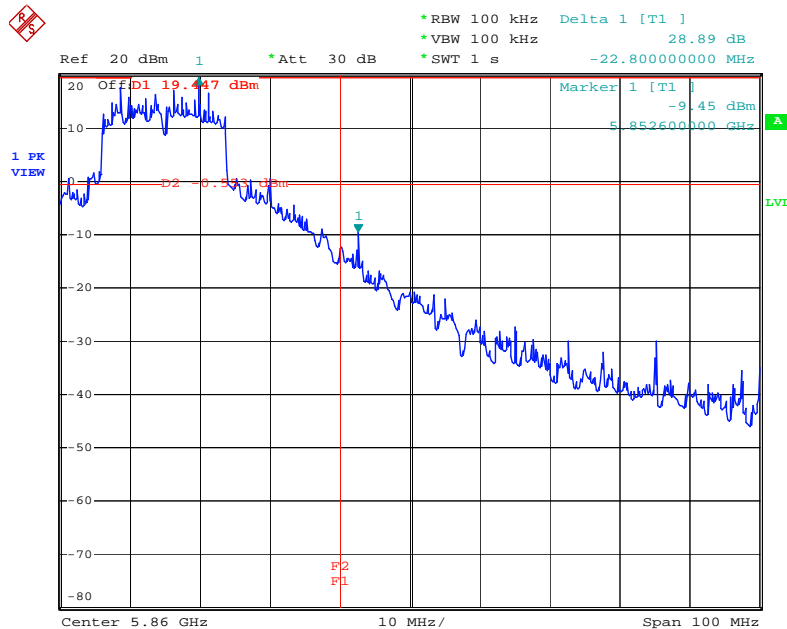
For Emission not in Restricted Band

Low Band Edge Plot on Configuration Drafft n MCS16 20MHz Ant. D-1 + Ant. D-2 + Ant. D-3 / 5745 MHz



Date: 15.FEB.2008 10:54:24

High Band Edge Plot on Configuration Drafft n MCS16 20MHz Ant. D-1 + Ant. D-2 + Ant. D-3 / 5825 MHz

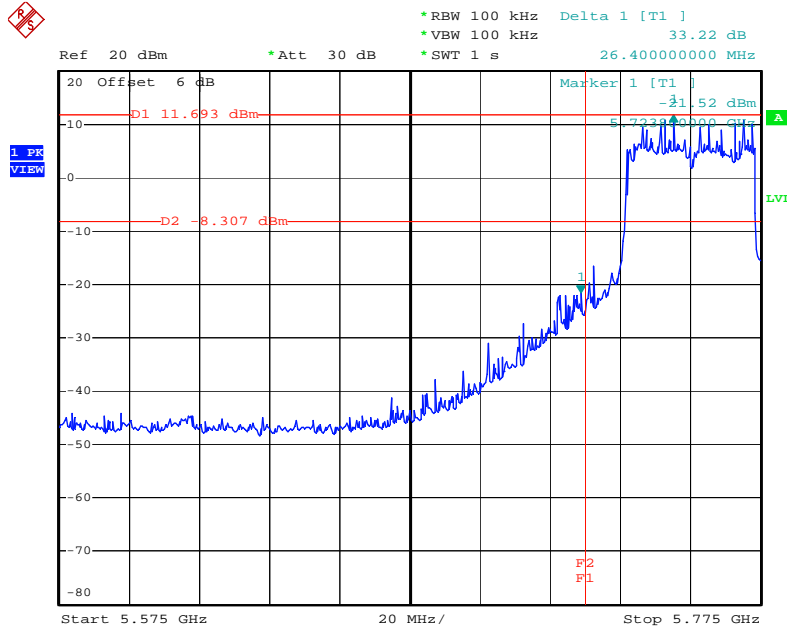


Date: 28.FEB.2008 17:54:35



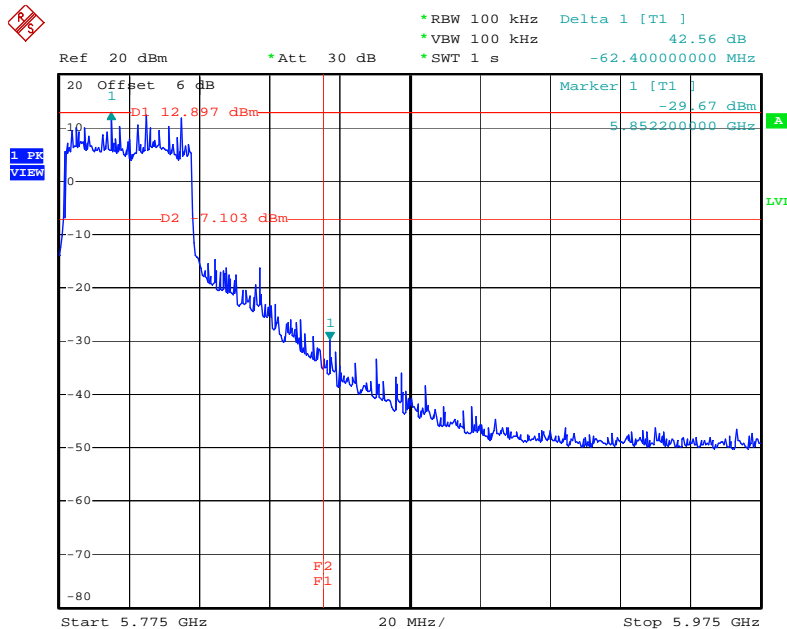
**For Emission not in Restricted Band**

**Low Band Edge Plot on Configuration Drafft n MCS16 40MHz Ant. B-1 + Ant. B-2 + Ant. B-3 / 5755 MHz**



Date: 15.FEB.2008 09:10:32

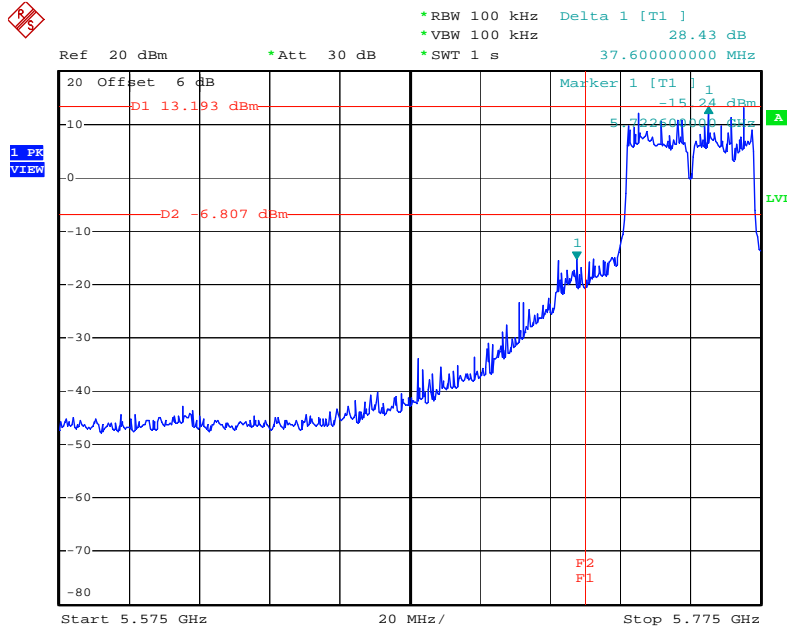
**High Band Edge Plot on Configuration Drafft n MCS16 40MHz Ant. B-1 + Ant. B-2 + Ant. B-3 / 5795 MHz**



Date: 15.FEB.2008 09:15:13

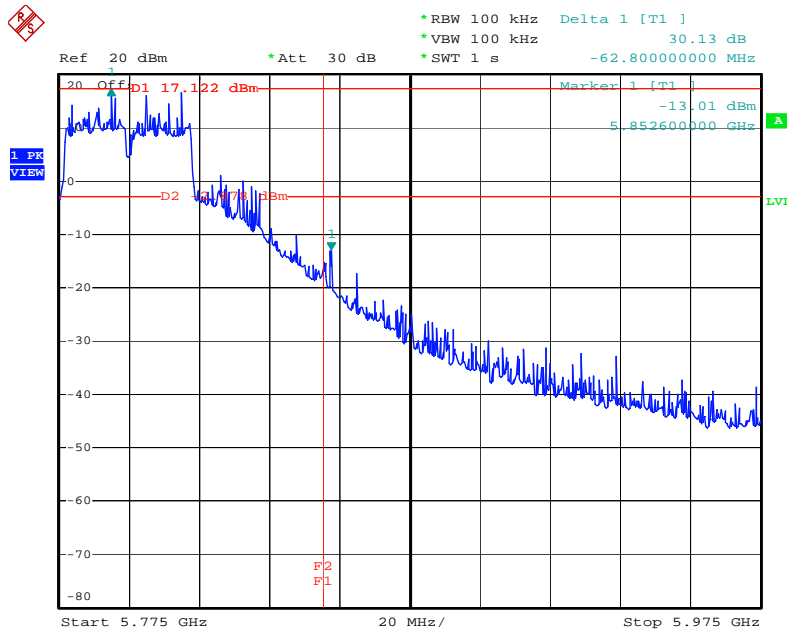
**For Emission not in Restricted Band**

**Low Band Edge Plot on Configuration Drafft n MCS16 40MHz Ant. D-1 + Ant. D-2 + Ant. D-3 / 5755 MHz**



Date: 15.FEB.2008 10:49:10

**High Band Edge Plot on Configuration Drafft n MCS16 40MHz Ant. D-1 + Ant. D-2 + Ant. D-3 / 5795 MHz**



Date: 15.FEB.2008 10:35:23

## 4.7. Antenna Requirements

### 4.7.1. Limit

Except for special regulations, the Low-power Radio-frequency Devices must not be equipped with any jacket for installing an antenna with extension cable. An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

### 4.7.2. Antenna Connector Construction

Please refer to section 3.3 in this test report; antenna connector complied with the requirements.

## 5. LIST OF MEASURING EQUIPMENTS

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMC Receiver	R&S	ESCS 30	100174	9kHz – 2.75GHz	Mar. 03, 2007	Conduction (CO04-HY)
LISN	MessTec	NNB-2/16Z	99079	9kHz – 30MHz	Mar. 31, 2007	Conduction (CO04-HY)
LISN (Support Unit)	EMCO	3810/2NM	9703-1839	9kHz – 30MHz	Mar. 22, 2007	Conduction (CO04-HY)
RF Cable-CON	UTIFLEX	3102-26886-4	CB049	9kHz – 30MHz	Apr. 20, 2007	Conduction (CO04-HY)
ISN	SCHAFFNER	ISN T400	21653	9kHz – 30MHz	Mar. 27, 2007	Conduction (CO04-HY)
EMI Filter	LINDGREN	LRE-2030	2651	< 450 Hz	N/A	Conduction (CO04-HY)
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30 MHz - 1 GHz 3m	Jun. 14, 2007	Radiation (03CH03-HY)
Amplifier	SCHAFFNER	COA9231A	18667	9 kHz - 2 GHz	Jan. 14, 2008	Radiation (03CH03-HY)
Amplifier	Agilent	8449B	3008A02120	1 GHz - 26.5 GHz	Jun. 07, 2007	Radiation (03CH03-HY)
Amplifier	MITEQ	AMF-6F-260400	9121372	26.5 GHz - 40 GHz	Jan. 22, 2007*	Radiation (03CH03-HY)
Spectrum Analyzer	R&S	FSP40	100305	9 kHz - 40 GHz	Sep. 27, 2007	Radiation (03CH03-HY)
Loop Antenna	R&S	HFH2-Z2	860004/001	9 kHz - 30 MHz	May 23, 2006*	Radiation (03CH03-HY)
Bilog Antenna	SCHAFFNER	CBL 6112D	22237	30 MHz – 1 GHz	Jul. 21, 2007	Radiation (03CH03-HY)
Horn Antenna	EMCO	3115	6741	1GHz ~ 18GHz	May 04, 2007	Radiation (03CH03-HY)
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	15 GHz - 40 GHz	Jan. 18, 2008	Radiation (03CH03-HY)
RF Cable-R03m	Jye Bao	RG142	CB021	30 MHz - 1 GHz	Dec. 03, 2007	Radiation (03CH03-HY)
RF Cable-HIGH	SUHNER	SUCOFLEX 106	03CH03-HY	1 GHz - 40 GHz	Dec. 03, 2007	Radiation (03CH03-HY)
Turn Table	HD	DS 420	420/650/00	0 – 360 degree	N/A	Radiation (03CH03-HY)
Antenna Mast	HD	MA 240	240/560/00	1 m - 4 m	N/A	Radiation (03CH03-HY)
Spectrum Analyzer	R&S	FSP30	100023	9kHz ~ 30GHz	Jan. 10, 2008	Conducted (TH01-HY)
Power Meter	R&S	NRVS	100444	DC ~ 40GHz	Jun. 27, 2007	Conducted (TH01-HY)
Power Sensor	R&S	NRV-Z51	100458	DC ~ 30GHz	Jun. 27, 2007	Conducted (TH01-HY)
Power Sensor	R&S	NRV-Z32	100057	30MHz ~ 6GHz	Jun. 27, 2007	Conducted (TH01-HY)
AC Power Source	HPC	HPA-500W	HPA-9100024	AC 0 ~ 300V	May 04, 2007*	Conducted (TH01-HY)
DC Power Source	G.W.	GPC-6030D	C671845	DC 1V ~ 60V	Mar. 03, 2007	Conducted (TH01-HY)
Temp. and Humidity Chamber	KSON	THS-C3L	612	N/A	Jan. 14, 2008	Conducted (TH01-HY)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
RF CABLE-1m	Jye Bao	RG142	CB034-1m	20MHz ~ 7GHz	Jan. 04, 2008	Conducted (TH01-HY)
RF CABLE-2m	Jye Bao	RG142	CB035-2m	20MHz ~ 1GHz	Jan. 04, 2008	Conducted (TH01-HY)
Vector Signal Generator	R&S	SMU200A	102098	100kHz ~ 6GHz	Nov. 14, 2007	Conducted (TH01-HY)
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	Mar. 07, 2007	Conducted (TH01-HY)

Note: Calibration Interval of instruments listed above is one year.

\* Calibration Interval of instruments listed above is two year.

NCR means Non-Calibration required.

## 6. TEST LOCATION

SHIJR	ADD : 6Fl., No. 106, Sec. 1, Shintai 5th Rd., Shijr City, Taipei, Taiwan 221, R.O.C. TEL : 886-2-2696-2468 FAX : 886-2-2696-2255
HWA YA	ADD : No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C. TEL : 886-3-327-3456 FAX : 886-3-318-0055
LINKOU	ADD : No. 30-2, Dingfu Tsuen, Linkou Shiang, Taipei, Taiwan 244, R.O.C TEL : 886-2-2601-1640 FAX : 886-2-2601-1695
DUNGHU	ADD : No. 3, Lane 238, Kangle St., Neihu Chiu, Taipei, Taiwan 114, R.O.C. TEL : 886-2-2631-4739 FAX : 886-2-2631-9740
JUNGHE	ADD : 7Fl., No. 758, Jungjeng Rd., Junghe City, Taipei, Taiwan 235, R.O.C. TEL : 886-2-8227-2020 FAX : 886-2-8227-2626
NEIHU	ADD : 4Fl., No. 339, Hsin Hu 2 <sup>nd</sup> Rd., Taipei 114, Taiwan, R.O.C. TEL : 886-2-2794-8886 FAX : 886-2-2794-9777
JHUBEI	ADD : No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C. TEL : 886-3-656-9065 FAX : 886-3-656-9085

## 7. TAF CERTIFICATE OF ACCREDITATION



Certificate No. : L1190-070110

財團法人全國認證基金會  
Taiwan Accreditation Foundation

### Certificate of Accreditation

This is to certify that

**Sporton International Inc.**

**EMC & Wireless Communications Laboratory**

No.52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien,  
Taiwan, R.O.C.

is accredited in respect of laboratory

Accreditation Criteria	: ISO/IEC 17025:2005
Accreditation Number	: 1190
Originally Accredited	: December 15, 2003
Effective Period	: January 10, 2007 to January 09, 2010
Accredited Scope	: Testing Field, see described in the Appendix
Specific Accreditation Program	: Accreditation Program for Designated Testing Laboratory for Commodities Inspection Accreditation Program for Telecommunication Equipment Testing Laboratory



Jay-San Chen  
President, Taiwan Accreditation Foundation  
Date : January 10, 2007

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The Appendix forms an integral part of this Certificate, which shall be invalid when used without the Appendix.