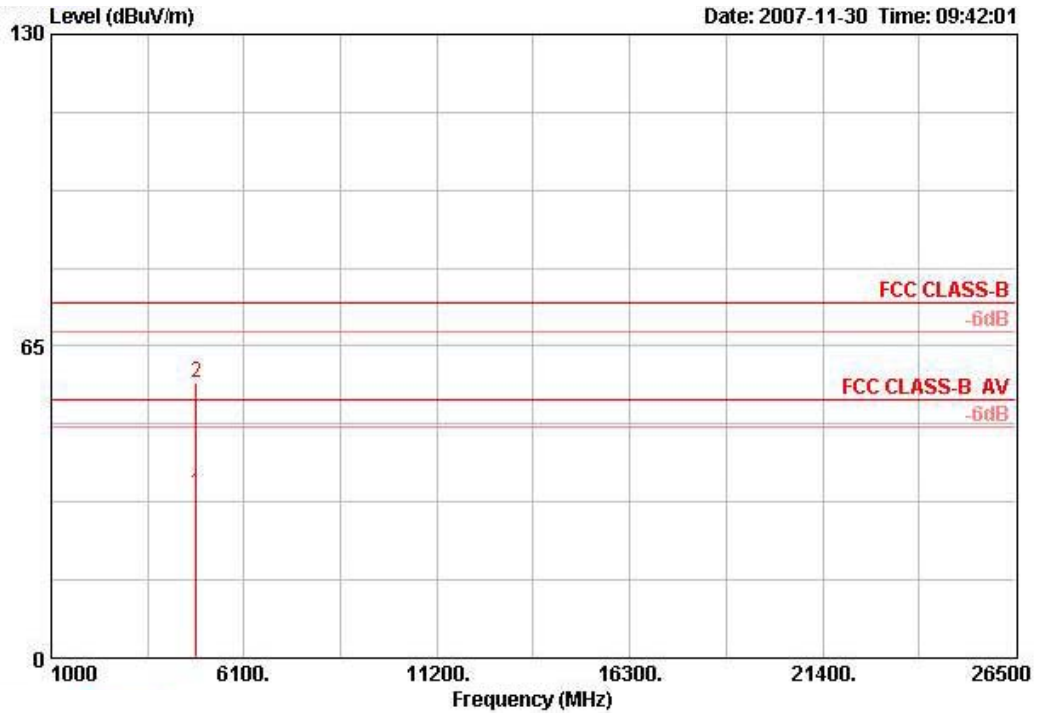


4.5.9. Results for Radiated Emissions (1GHz~10th Harmonic)

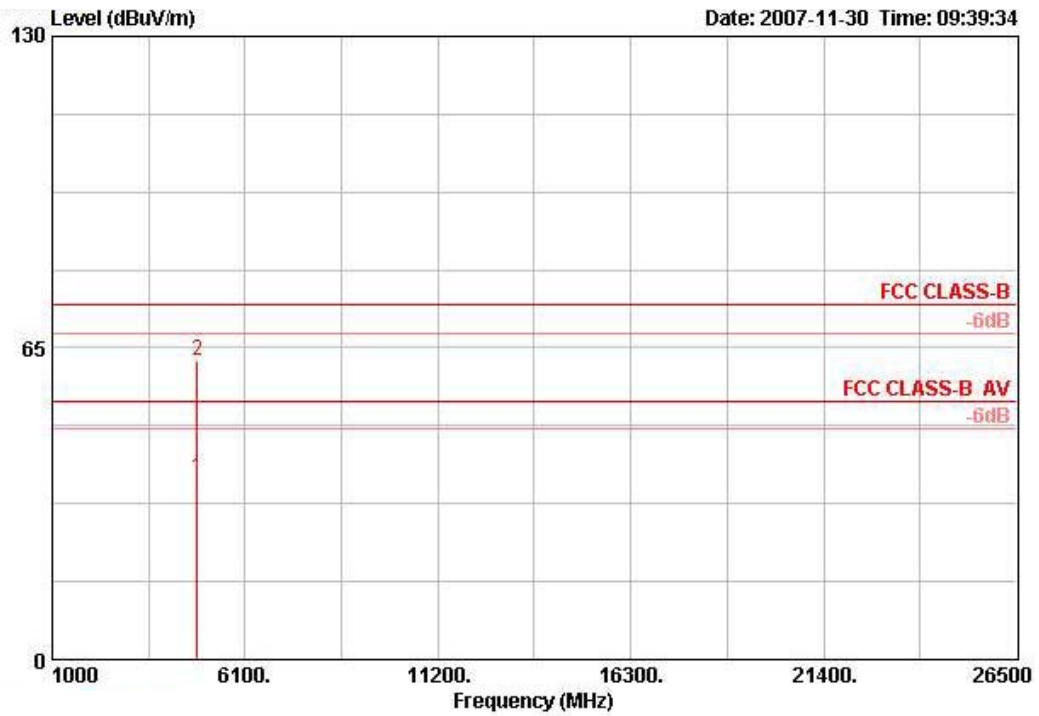
Temperature	26°C	Humidity	60%
Test Engineer	Aric Li	Configurations	Draft n MCS8 20MHz Ch 1 Ant. 1 + Ant. 3

Horizontal



	Freq	Level	Over Limit	Limit Line	ReadAntenna	Cable	Preamp	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	4824.010	34.45	-19.55	54.00	31.53	33.39	4.78	35.25 AVERAGE	140	71	HORIZONTAL
2	4825.190	57.43	-16.57	74.00	54.51	33.39	4.78	35.25 PEAK	140	71	HORIZONTAL

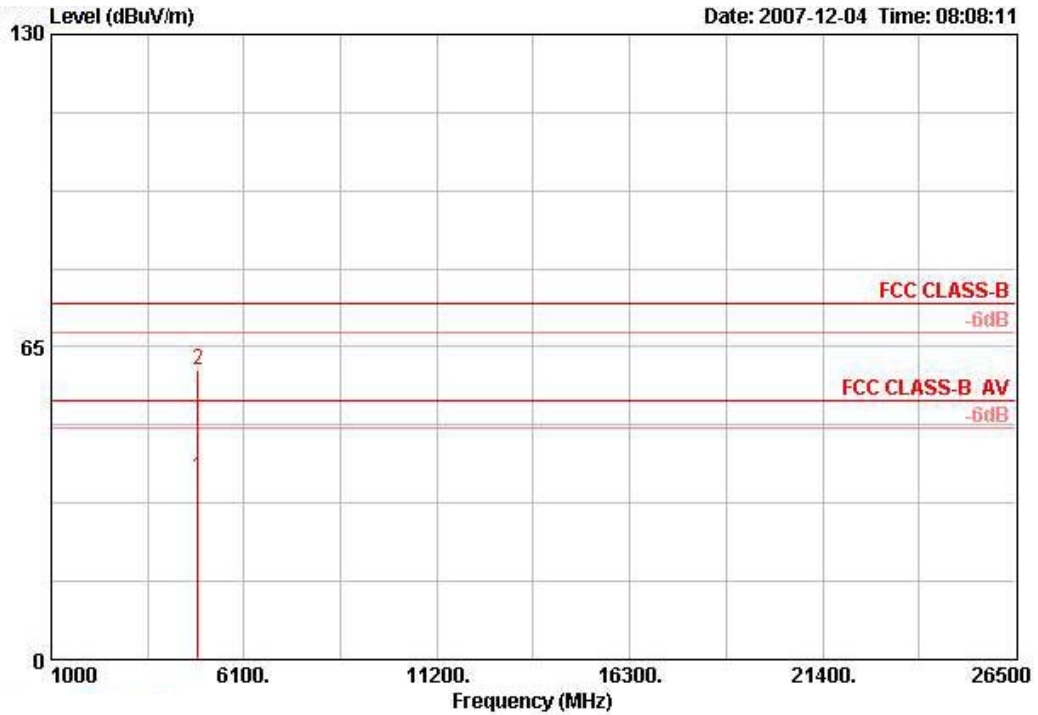
Vertical



	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	4824.270	37.92	-16.08	54.00	35.00	33.39	4.78	35.25	AVERAGE	100	290	VERTICAL
2	4825.400	62.43	-11.57	74.00	59.51	33.39	4.78	35.25	PEAK	100	290	VERTICAL

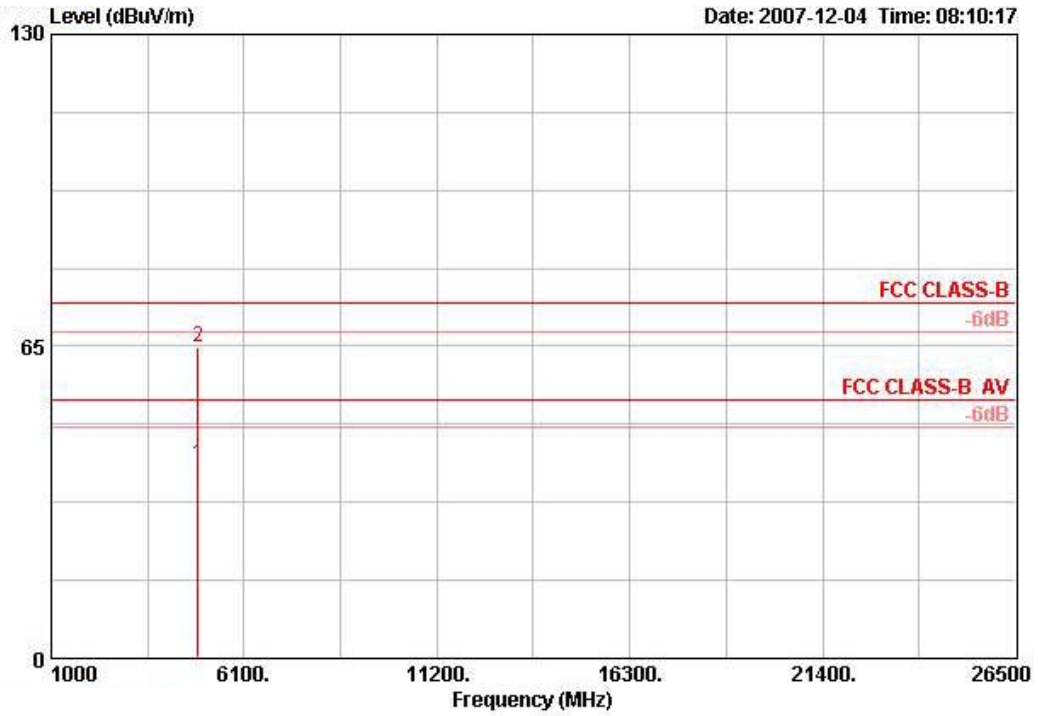
Temperature	26°C	Humidity	60%
Test Engineer	Aric Li	Configurations	Draft n MCS8 20MHz Ch 6 Ant. 1 + Ant. 3

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	4872.400	37.81	-16.19	54.00	34.78	33.48	4.79	35.25	AVERAGE	100	340	HORIZONTAL
2	4875.800	60.25	-13.75	74.00	57.22	33.48	4.79	35.25	PEAK	100	340	HORIZONTAL

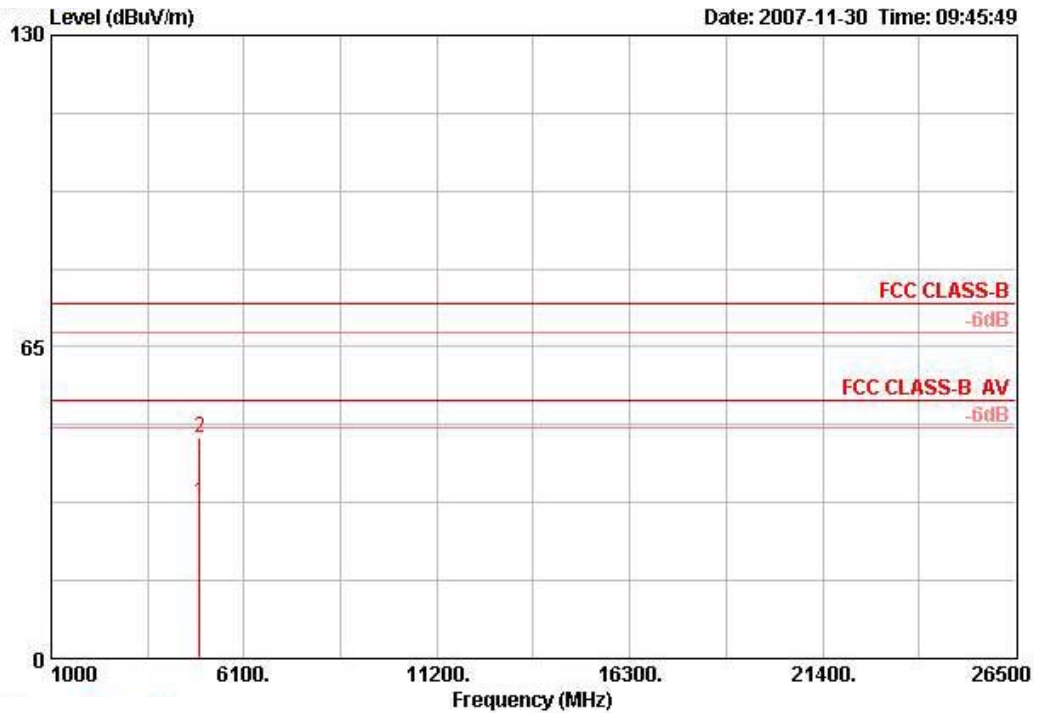
Vertical



	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	4873.000	40.53	-13.47	54.00	37.50	33.48	4.79	35.25	AVERAGE	100	89	VERTICAL
2	4875.600	64.87	-9.13	74.00	61.84	33.48	4.79	35.25	PEAK	100	89	VERTICAL

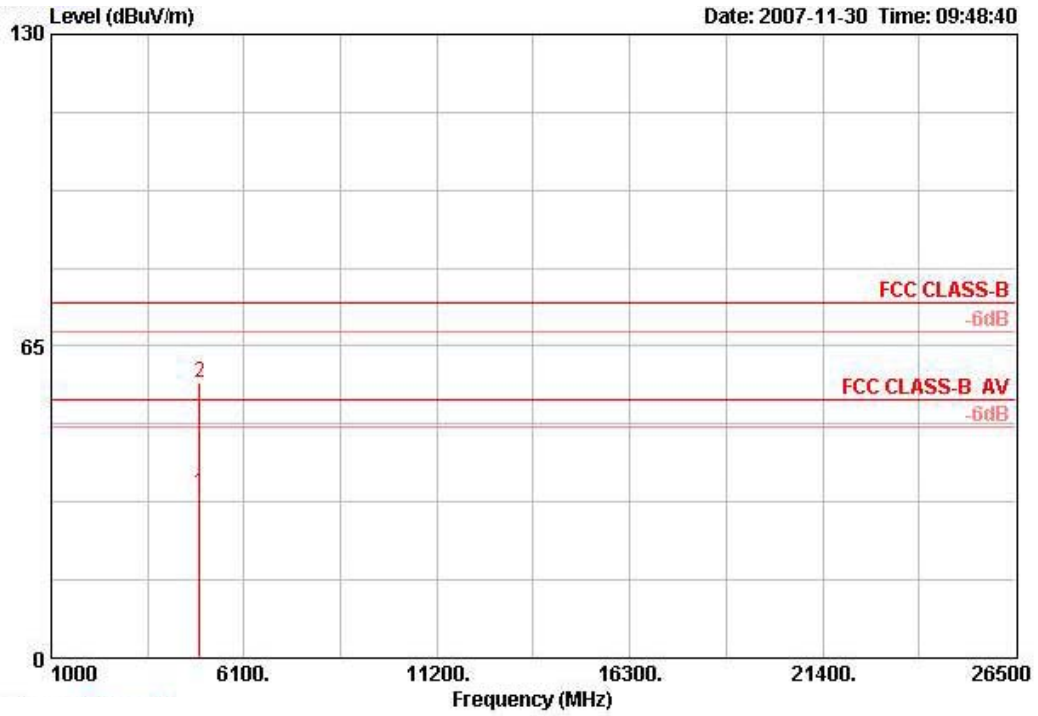
Temperature	26°C	Humidity	60%
Test Engineer	Aric Li	Configurations	Draft n MCS8 20MHz Ch11 Ant. 1 + Ant. 3

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	4924.210	32.61	-21.39	54.00	29.48	33.58	4.80	35.24	AVERAGE	100	228	HORIZONTAL
2	4925.530	45.87	-28.13	74.00	42.74	33.58	4.80	35.24	PEAK	100	228	HORIZONTAL

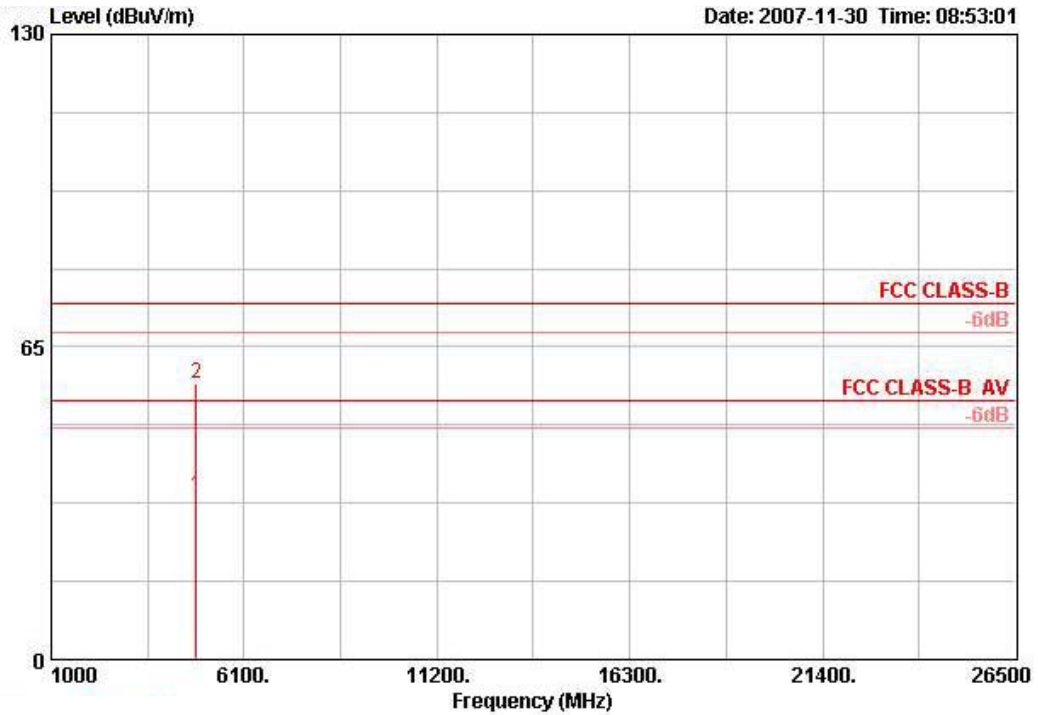
Vertical



	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	4924.490	34.38	-19.62	54.00	31.25	33.58	4.80	35.24	AVERAGE	100	286	VERTICAL
2	4925.480	57.42	-16.58	74.00	54.29	33.58	4.80	35.24	PEAK	100	286	VERTICAL

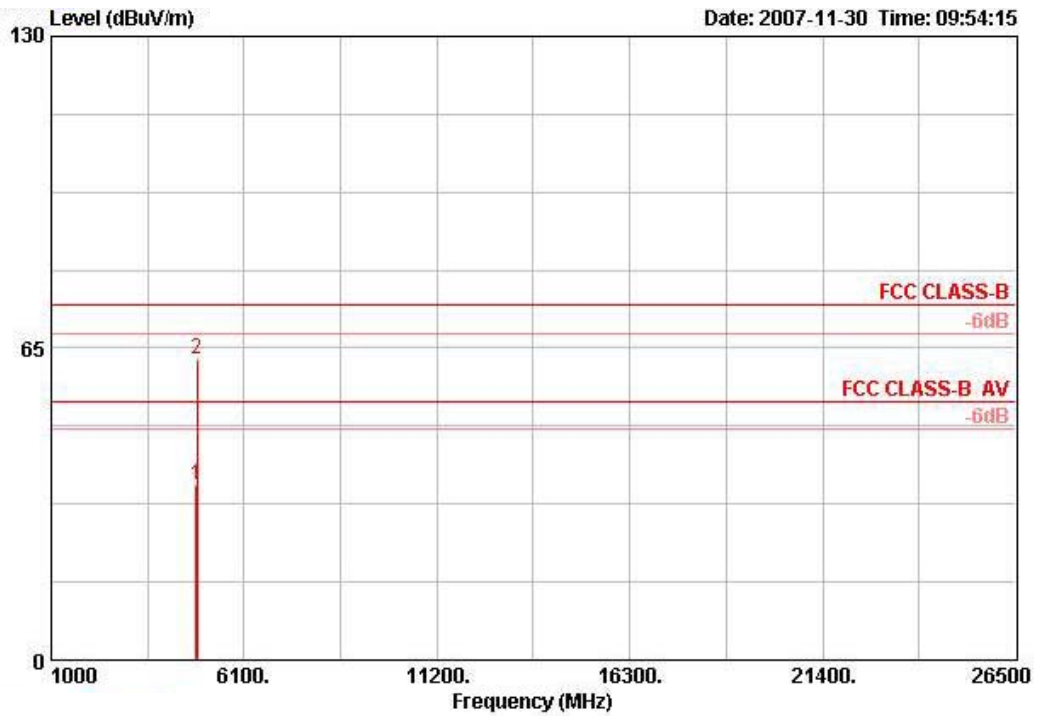
Temperature	26°C	Humidity	60%
Test Engineer	Aric Li	Configurations	Draft n MCS8 40MHz Ch 3 Ant. 1 + Ant. 3

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	4843.788	33.99	-20.01	54.00	31.03	33.42	4.79	35.25	AVERAGE	121	145	HORIZONTAL
2	4845.080	57.41	-16.59	74.00	54.45	33.42	4.79	35.25	PEAK	121	145	HORIZONTAL

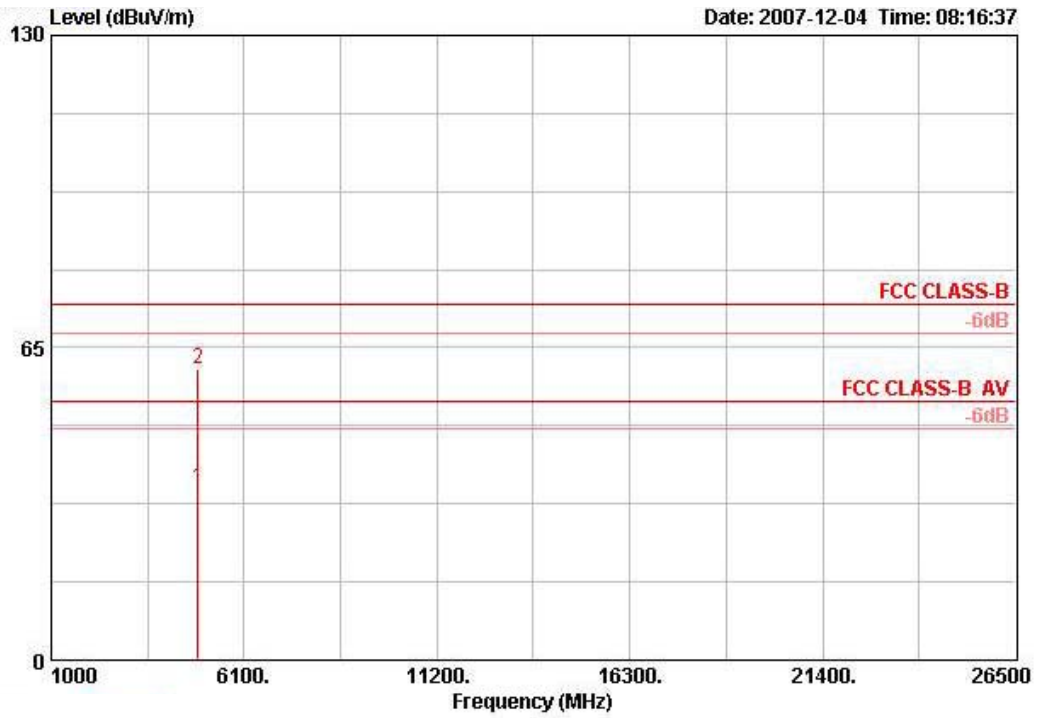
Vertical



	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	4843.810	36.38	-17.62	54.00	33.42	33.42	4.79	35.25	AVERAGE	100	288	VERTICAL
2	4845.350	62.68	-11.32	74.00	59.72	33.42	4.79	35.25	PEAK	100	288	VERTICAL

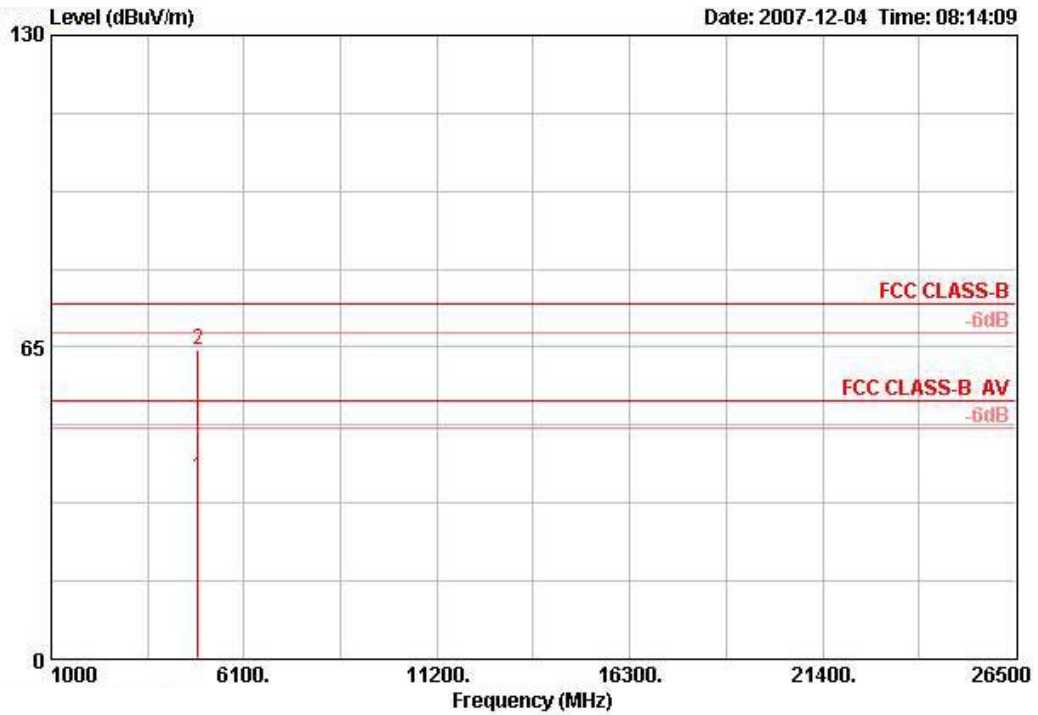
Temperature	26°C	Humidity	60%
Test Engineer	Aric Li	Configurations	Draft n MCS8 40MHz Ch 6 Ant. 1 + Ant. 3

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	4872.600	35.70	-18.30	54.00	32.67	33.48	4.79	35.25	AVERAGE	100	340	HORIZONTAL
2	4875.400	60.68	-13.32	74.00	57.66	33.48	4.79	35.25	PEAK	100	340	HORIZONTAL

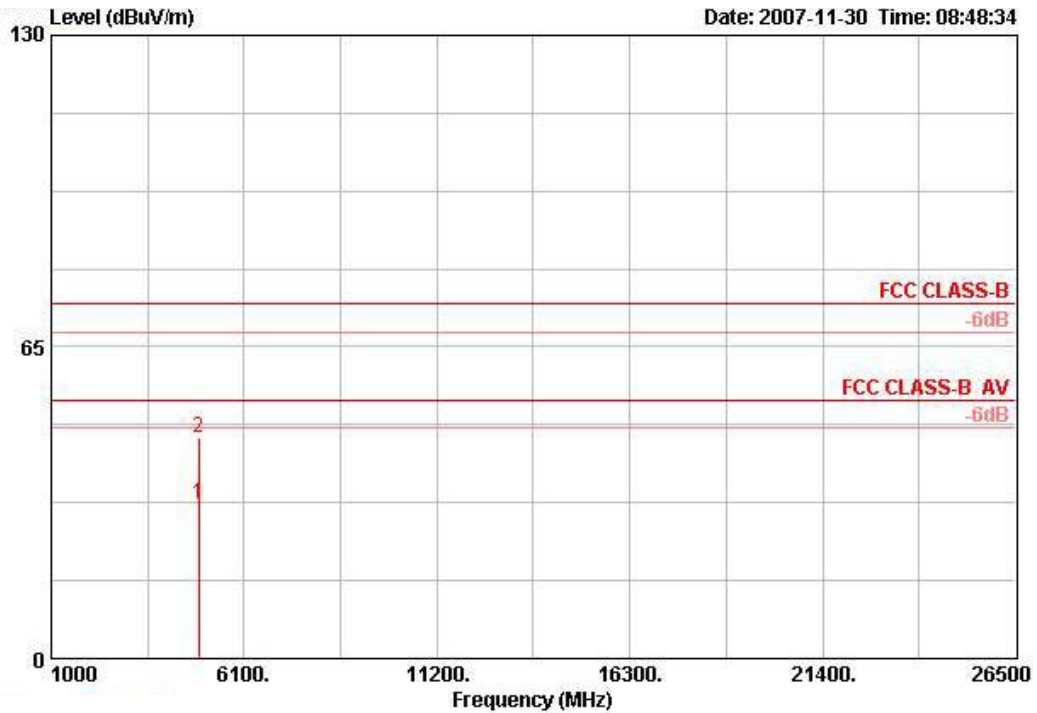
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	4869.800	37.80	-16.20	54.00	34.77	33.48	4.79	35.25	AVERAGE	100	90	VERTICAL
2	4875.000	64.30	-9.70	74.00	61.27	33.48	4.79	35.25	PEAK	100	90	VERTICAL

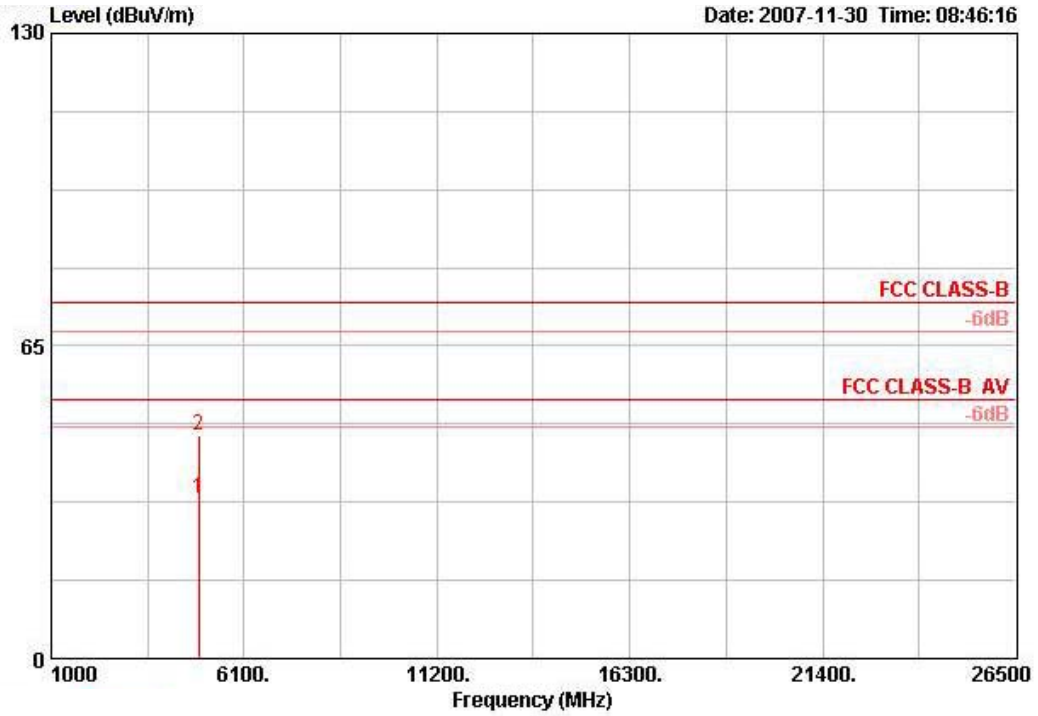
Temperature	26°C	Humidity	60%
Test Engineer	Aric Li	Configurations	Draft n MCS8 40MHz Ch 9 Ant. 1 + Ant. 3

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	4904.000	32.29	-21.71	54.00	29.19	33.54	4.79	35.24	AVERAGE	100	216	HORIZONTAL
2	4904.394	46.20	-27.80	74.00	43.10	33.54	4.79	35.24	PEAK	100	216	HORIZONTAL

Vertical

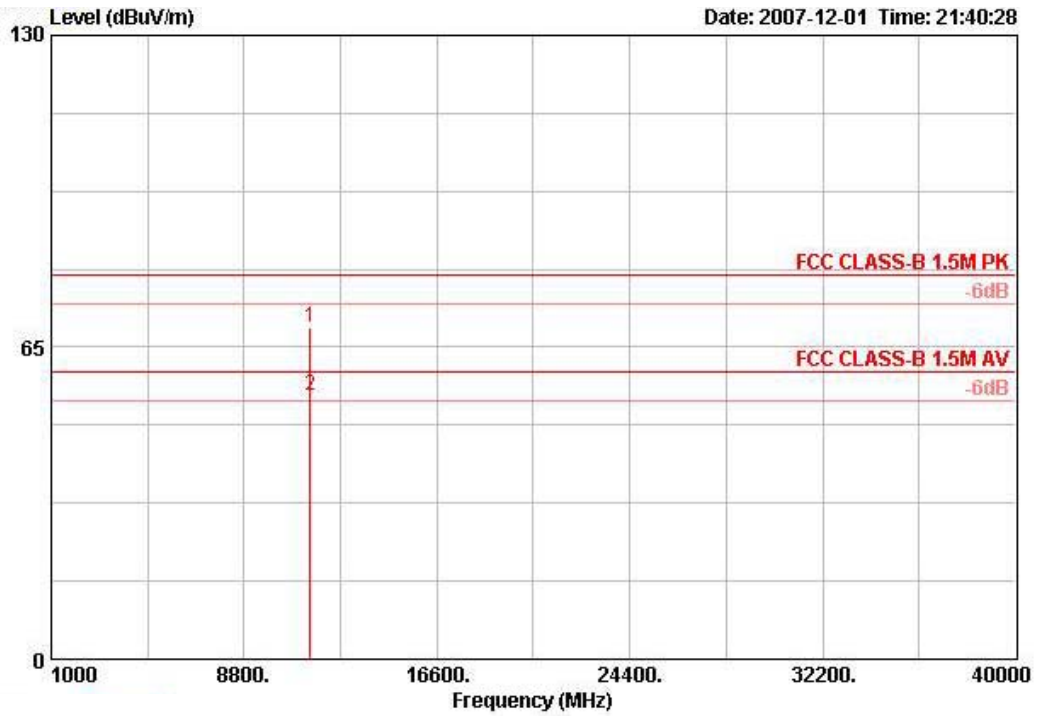


	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	4904.000	33.16	-20.84	54.00	30.07	33.54	4.79	35.24	AVERAGE	100	63	VERTICAL
2	4904.344	46.45	-27.55	74.00	43.35	33.54	4.79	35.24	PEAK	100	63	VERTICAL



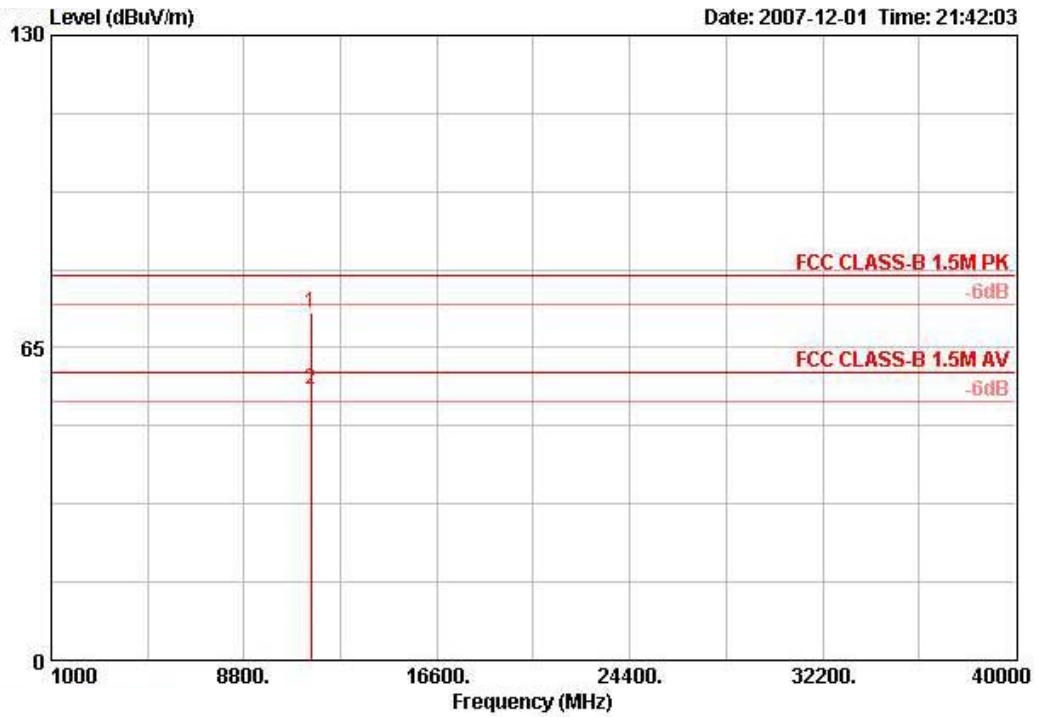
Temperature	26°C	Humidity	60%
Test Engineer	Aric Li	Configurations	Draft n MCS8 20MHz CH 149 Ant. 1 + Ant. 2

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	11487.840	69.19	-10.81	80.00	57.44	39.50	7.20	34.95	PEAK	118	324	HORIZONTAL
2	11488.200	54.98	-5.02	60.00	43.23	39.50	7.20	34.95	AVERAGE	118	324	HORIZONTAL

Vertical

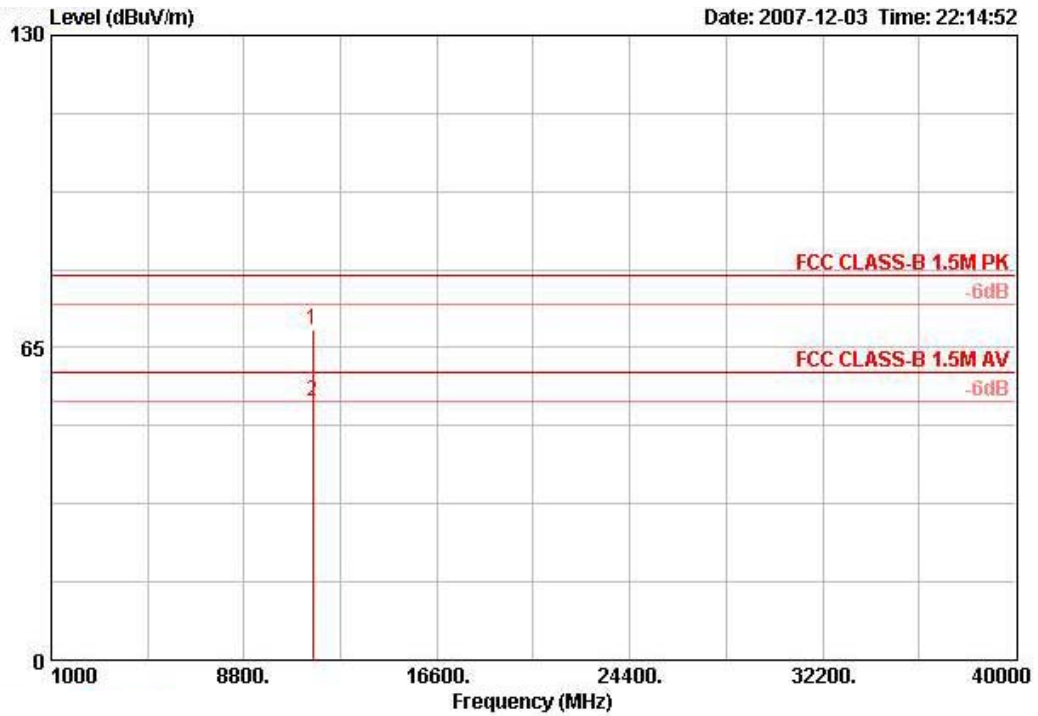


	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	11490.080	72.29	-7.71	80.00	60.54	39.50	7.20	34.95	PEAK	121	291	VERTICAL
2 !	11490.720	56.43	-3.57	60.00	44.68	39.50	7.20	34.95	AVERAGE	121	291	VERTICAL



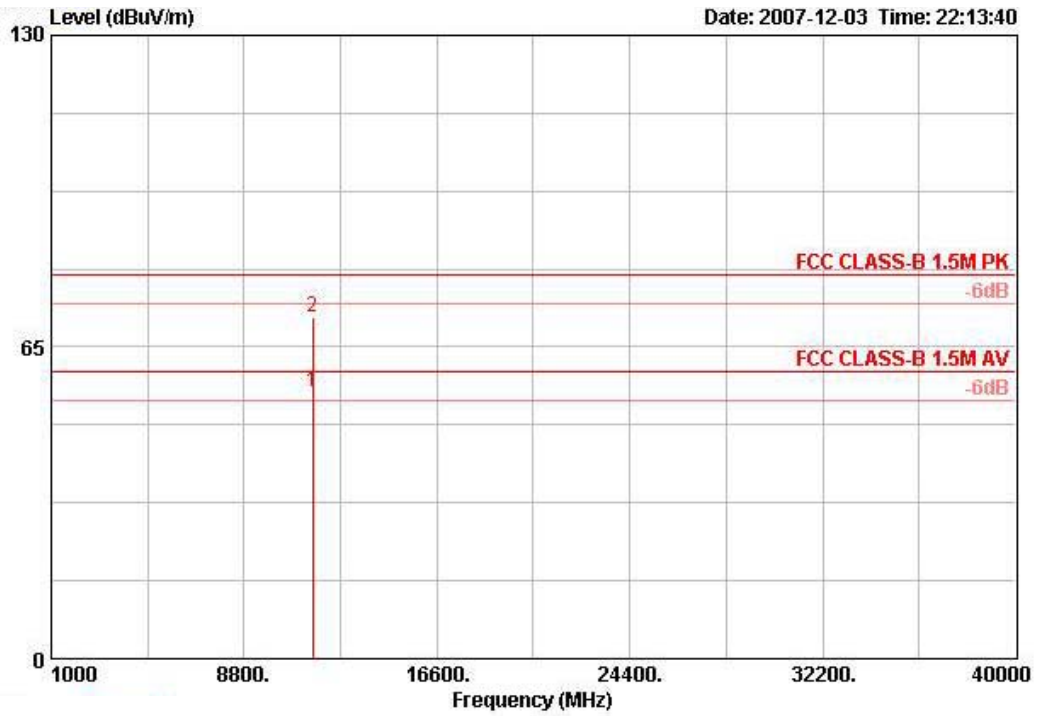
Temperature	26°C	Humidity	60%
Test Engineer	Aric Li	Configurations	Draft n MCS8 20MHz CH 157 Ant. 1 + Ant. 3

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	11568.680	68.62	-11.38	80.00	56.89	39.47	7.22	34.96	PEAK	120	315	HORIZONTAL
2	11569.080	53.80	-6.20	60.00	42.07	39.47	7.22	34.96	AVERAGE	120	315	HORIZONTAL

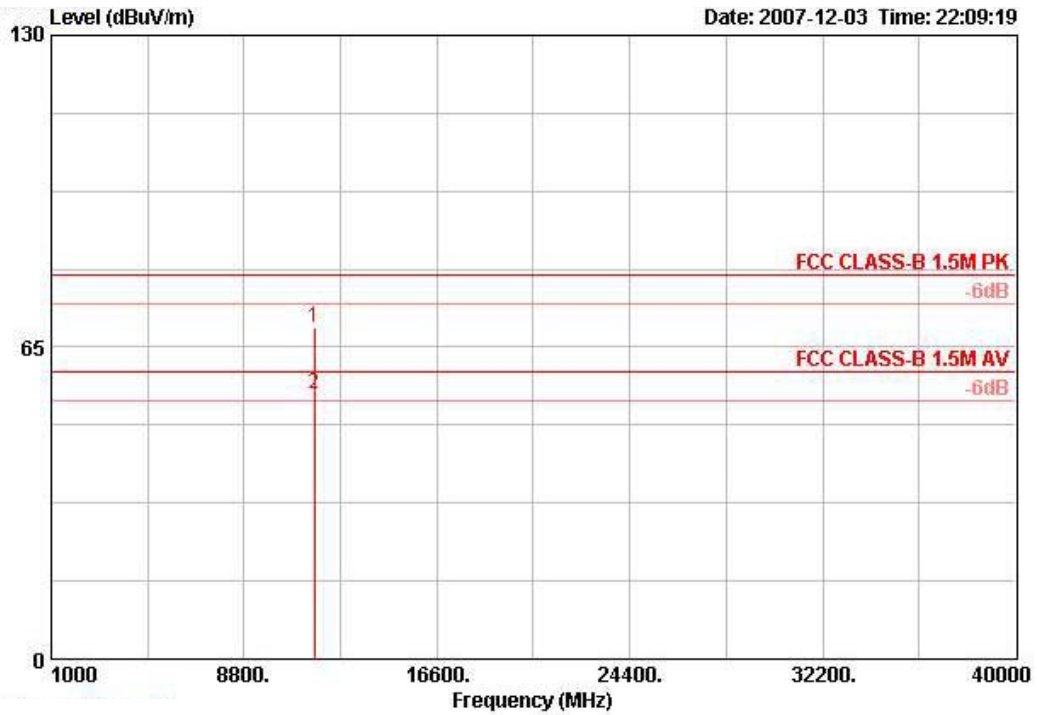
Vertical



	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 !	11569.200	55.54	-4.46	60.00	43.80	39.47	7.22	34.96	AVERAGE	121	285	VERTICAL
2	11569.960	71.14	-8.86	80.00	59.40	39.47	7.23	34.96	PEAK	121	285	VERTICAL

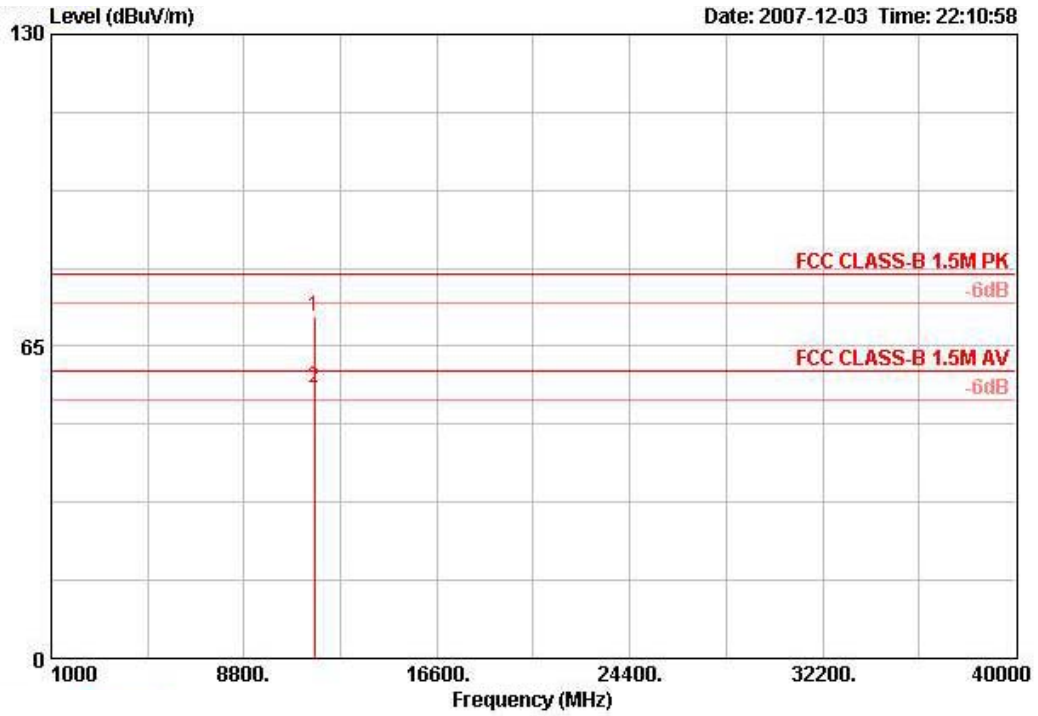
Temperature	23°C	Humidity	54%
Test Engineer	Aric Li	Configurations	Draft n MCS8 20MHz CH 165 Ant. 1 + Ant. 3

Horizontal



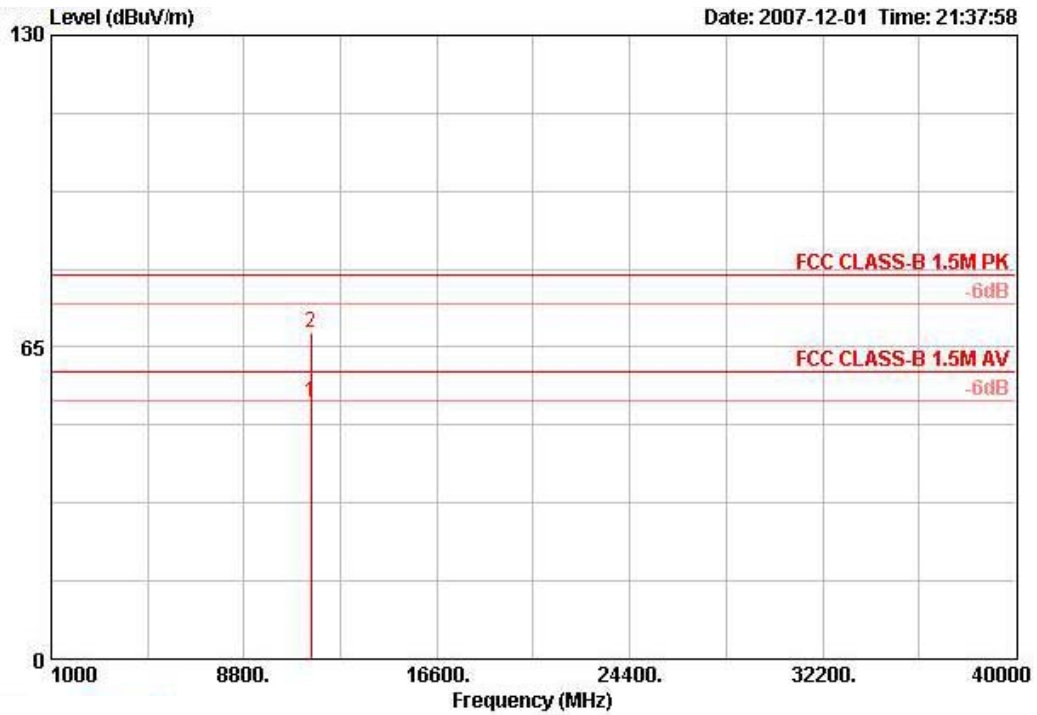
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	11649.360	69.04	-10.96	80.00	57.32	39.44	7.25	34.97	PEAK	120	326	HORIZONTAL
2 !	11650.360	55.23	-4.77	60.00	43.50	39.44	7.25	34.97	AVERAGE	120	326	HORIZONTAL

Vertical



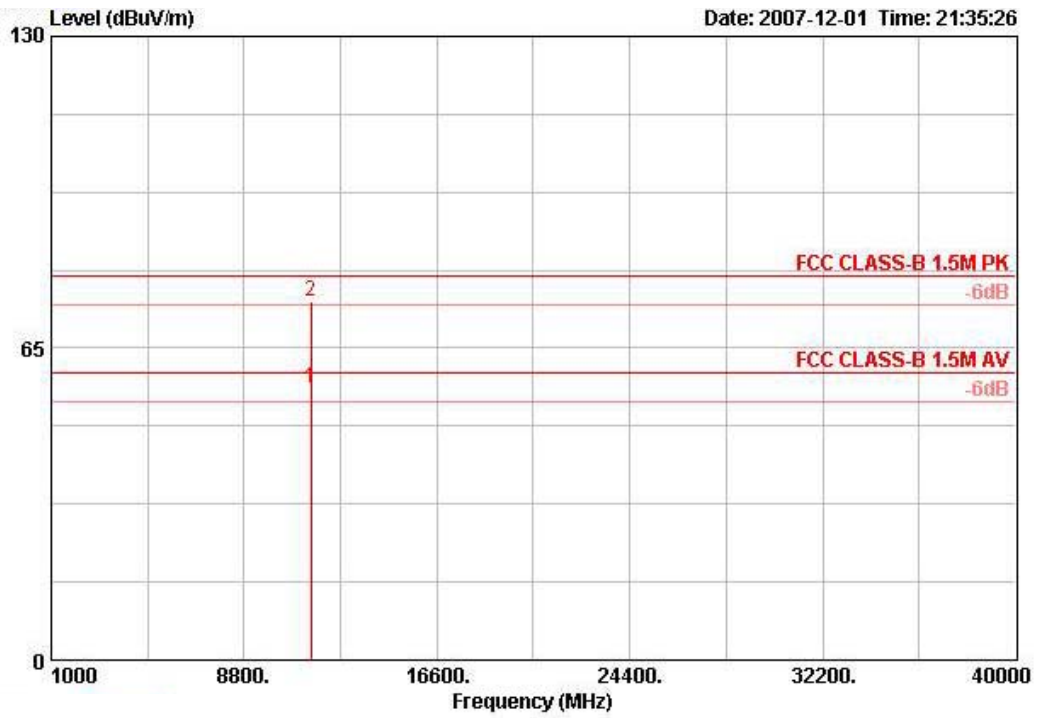
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	11650.040	71.24	-8.76	80.00	59.51	39.44	7.25	34.97	PEAK	126	297	VERTICAL
2 @	11650.160	56.30	-3.70	60.00	44.57	39.44	7.25	34.97	AVERAGE	126	297	VERTICAL

Temperature	26°C	Humidity	60%
Test Engineer	Aric Li	Configurations	Draft n MCS8 40MHz CH 151 Ant. 1 + Ant. 3

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	11509.300	53.40	-6.60	60.00	41.65	39.50	7.21	34.96	AVERAGE	120	318	HORIZONTAL
2	11510.000	68.17	-11.83	80.00	56.42	39.50	7.21	34.96	PEAK	120	318	HORIZONTAL

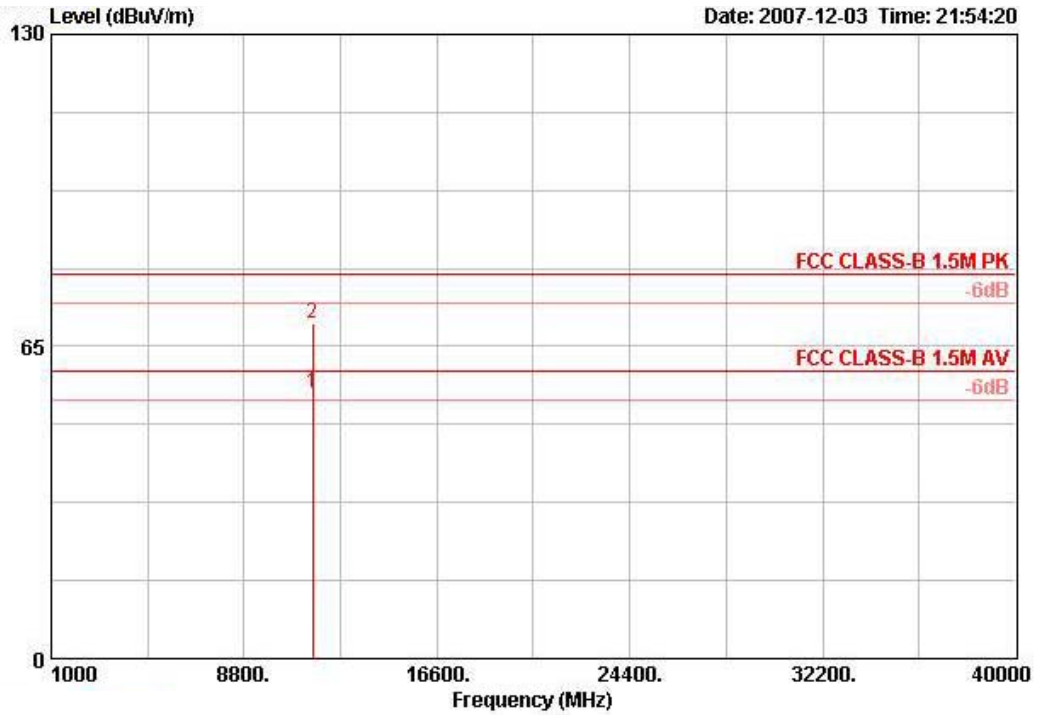
Vertical



	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 !	11508.500	56.84	-3.16	60.00	45.09	39.50	7.21	34.96	AVERAGE	130	292	VERTICAL
2 !	11510.100	74.86	-5.14	80.00	63.11	39.50	7.21	34.96	PEAK	130	292	VERTICAL

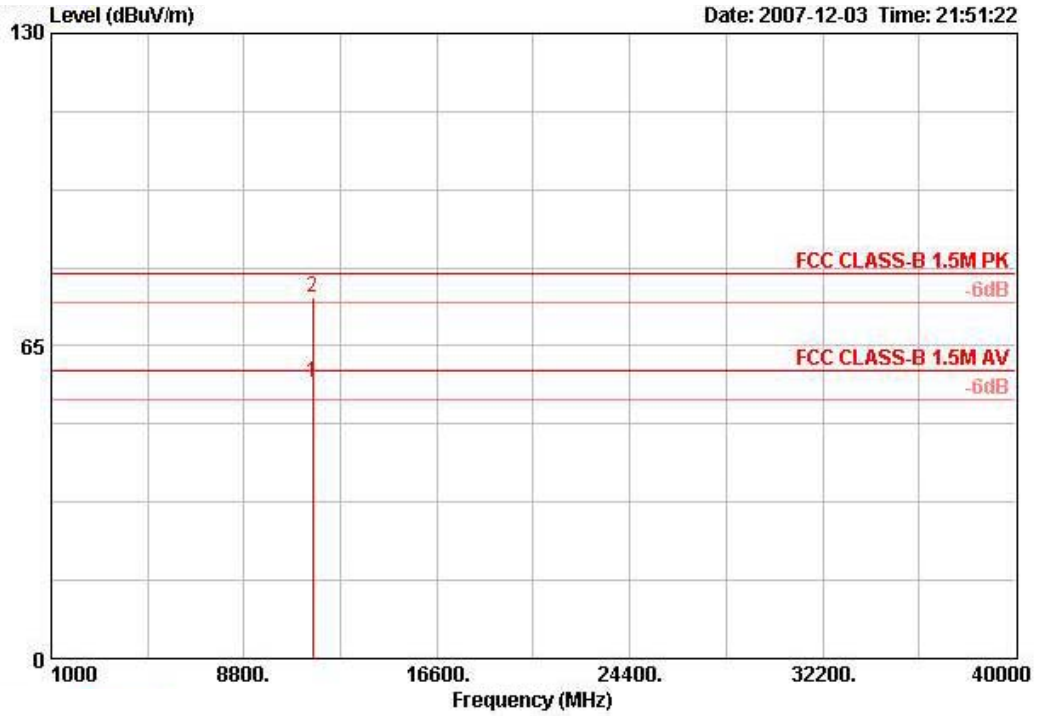
Temperature	26°C	Humidity	60%
Test Engineer	Aric Li	Configurations	Draft n MCS8 40MHz CH 159 Ant. 1 + Ant. 3

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 !	11589.070	55.34	-4.66	60.00	43.61	39.47	7.23	34.96	AVERAGE	115	319	HORIZONTAL
2	11591.350	69.85	-10.15	80.00	58.12	39.47	7.23	34.96	PEAK	115	319	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	@	11588.870	-2.70	60.00	45.56	39.47	7.23	34.96	AVERAGE	124	299	VERTICAL
2	!	11590.000	-5.03	80.00	63.24	39.47	7.23	34.96	PEAK	124	299	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 (micovolts/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	60%
Test Engineer	Aric Li	Configurations	Draft n MCS8 20MHz Ch 1, 6, 11 Ant. 1 + Ant. 3

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 !	2389.800	68.42	-5.58	74.00	37.04	28.05	3.33	0.00	PEAK	100	205	HORIZONTAL
2 @	2390.000	53.36	-0.64	54.00	21.97	28.05	3.33	0.00	AVERAGE	100	205	HORIZONTAL
3 @	2410.400	111.05			79.62	28.09	3.33	0.00	PEAK	100	205	HORIZONTAL
4 @	2416.400	100.53			69.09	28.09	3.35	0.00	AVERAGE	100	205	HORIZONTAL

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 @	2435.800	102.62			71.14	28.13	3.35	0.00	AVERAGE	100	92	HORIZONTAL
2 @	2440.200	110.07			78.55	28.18	3.35	0.00	PEAK	100	92	HORIZONTAL

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 @	2459.400	111.13			79.55	28.22	3.36	0.00	PEAK	100	203	HORIZONTAL
2 @	2460.000	100.30			68.73	28.22	3.36	0.00	AVERAGE	100	203	HORIZONTAL
3 @	2483.500	53.56	-0.44	54.00	21.92	28.26	3.38	0.00	AVERAGE	100	203	HORIZONTAL
4 !	2483.700	69.17	-4.83	74.00	37.53	28.26	3.38	0.00	PEAK	100	203	HORIZONTAL

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

Temperature	26°C	Humidity	60%
Test Engineer	Aric Li	Configurations	Draft n MCS8 40MHz Ch 3, 6, 9 Ant. 1 + Ant. 3

Channel 3

	Freq	Level	Over	Limit	ReadAntenna		Cable	Preamp	Remark	Ant	Table	
			Limit	Line	Level	Factor	Loss	Factor		Pos	Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	2427.600	106.88			75.40	28.13	3.35	0.00	PEAK	100	271	HORIZONTAL
2 @	2433.200	95.43			63.95	28.13	3.35	0.00	AVERAGE	100	271	HORIZONTAL
3 @	2472.000	53.13	-0.87	54.00	21.49	28.26	3.38	0.00	AVERAGE	100	271	HORIZONTAL
4	2484.300	63.32	-10.68	74.00	31.69	28.26	3.38	0.00	PEAK	100	271	HORIZONTAL

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

Channel 6

	Freq	Level	Over	Limit	ReadAntenna		Cable	Preamp	Remark	Ant	Table	
			Limit	Line	Level	Factor	Loss	Factor		Pos	Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	2444.200	111.05			79.51	28.18	3.36	0.00	PEAK	100	92	HORIZONTAL
2 @	2454.200	98.79			67.21	28.22	3.36	0.00	AVERAGE	100	92	HORIZONTAL

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

Channel 9

	Freq	Level	Over	Limit	ReadAntenna		Cable	Preamp	Remark	Ant	Table	
			Limit	Line	Level	Factor	Loss	Factor		Pos	Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	2456.800	93.66			62.08	28.22	3.36	0.00	AVERAGE	100	184	HORIZONTAL
2 @	2458.000	105.23			73.65	28.22	3.36	0.00	PEAK	100	184	HORIZONTAL
3 @	2483.500	53.69	-0.31	54.00	22.06	28.26	3.38	0.00	AVERAGE	100	184	HORIZONTAL
4 !	2483.500	69.03	-4.97	74.00	37.40	28.26	3.38	0.00	PEAK	100	184	HORIZONTAL

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

Temperature	26°C	Humidity	60%
Test Engineer	Aric Li	Configurations	Draft n MCS8 20MHz CH 149, 157, 165 Ant. 1+Ant. 3

Channel 149

	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 over	5739.800	110.18			69.92	34.89	5.37	0.00	PEAK	100	198	HORIZONTAL
2 @	5743.000	98.61			58.35	34.89	5.37	0.00	AVERAGE	100	198	HORIZONTAL

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

Channel 157

	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 @	5780.000	112.86			72.56	34.92	5.38	0.00	PEAK	110	191	HORIZONTAL
2 @	5781.600	101.11			60.80	34.92	5.39	0.00	AVERAGE	110	191	HORIZONTAL

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

Channel 165

	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 @	5822.000	101.46			61.09	34.96	5.40	0.00	AVERAGE	105	346	HORIZONTAL
2 @	5822.600	113.26			72.90	34.96	5.40	0.00	PEAK	105	346	HORIZONTAL

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.

Temperature	26°C	Humidity	60%
Test Engineer	Aric Li	Configurations	Draft n MCS8 40MHz CH 151, 159 Ant. 3+Ant. 5

Channel 151

	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 @	5739.800	97.88			57.62	34.89	5.37	0.00	AVERAGE	113	199	HORIZONTAL
2 over	5749.800	110.75			70.49	34.89	5.37	0.00	PEAK	100	199	HORIZONTAL
3	5855.000	69.63			29.23	34.99	5.42	0.00	PEAK	100	199	HORIZONTAL

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

Note: Item 3 is on un-restricted band, so the limit is -20dBc for the field strength of fundamental emission.

Channel 159

	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	5781.400	98.59			58.28	34.92	5.39	0.00	AVERAGE	100	199	HORIZONTAL
2 @	5783.400	110.15			69.84	34.92	5.39	0.00	PEAK	100	199	HORIZONTAL

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

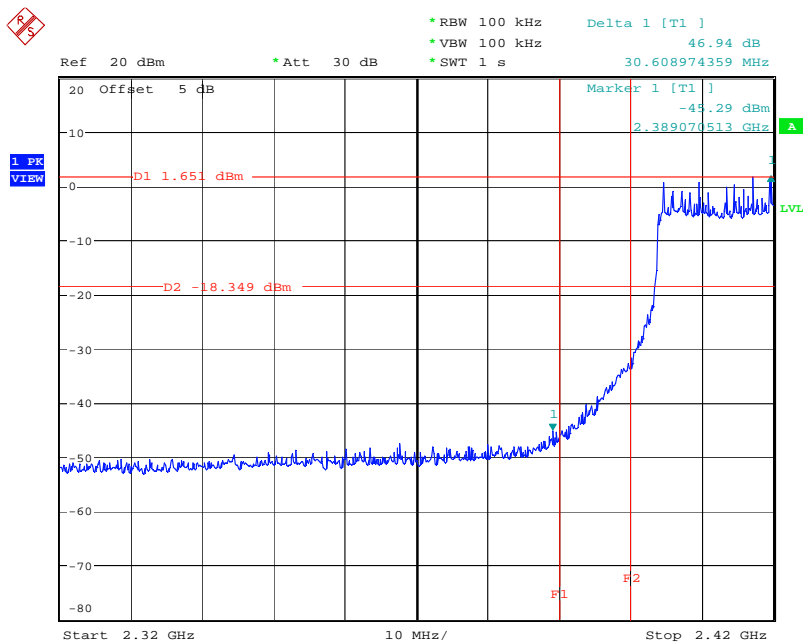
Note:

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

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

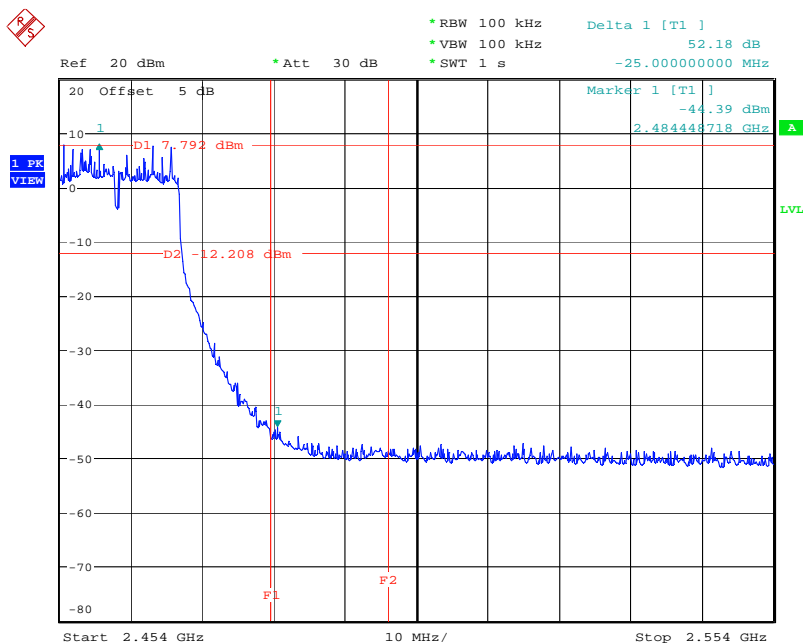
For Emission not in Restricted Band

Low Band Edge Plot on Configuration Drafft n MCS8 20MHz Ant. 1 + Ant. 3 / 2412 MHz



Date: 9.DEC.2007 09:07:26

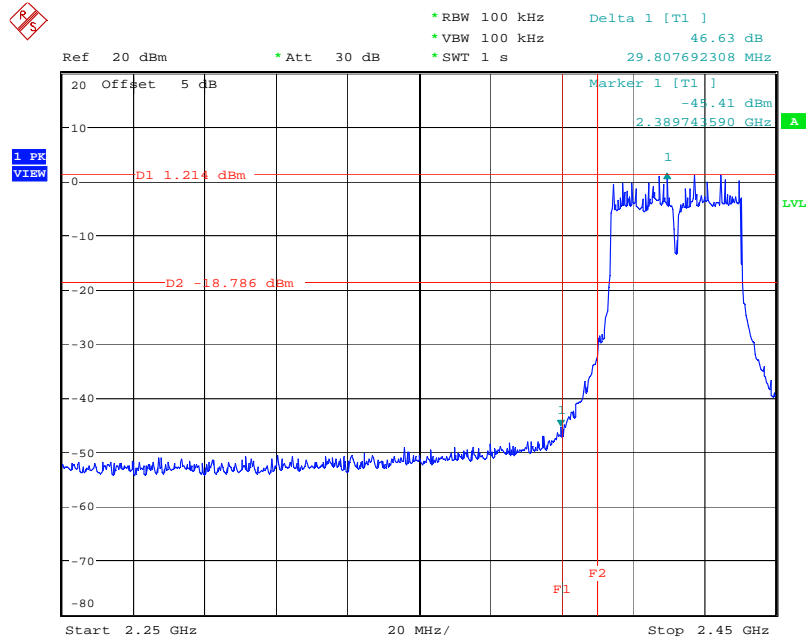
High Band Edge Plot on Configuration Drafft n MCS8 20MHz Ant. 1 + Ant. 3 / 2462 MHz



Date: 9.DEC.2007 08:58:07

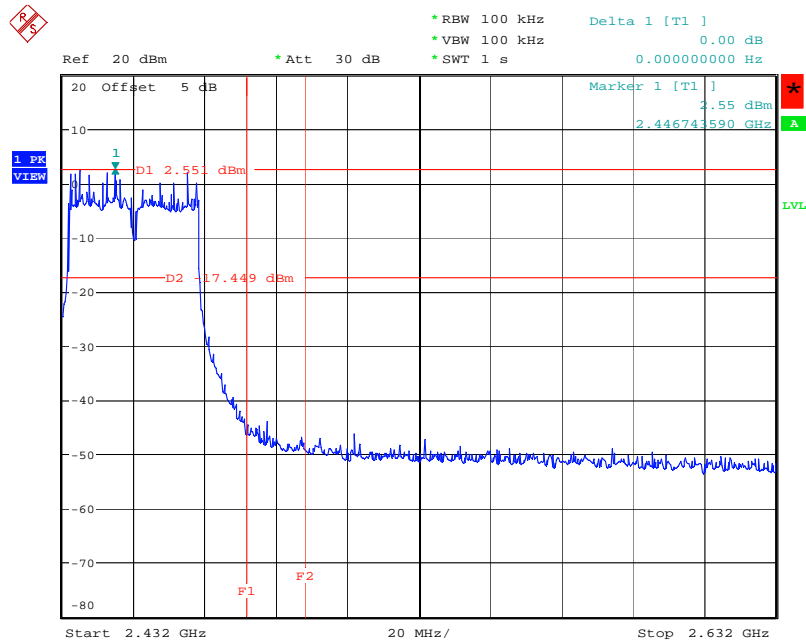
For Emission not in Restricted Band

Low Band Edge Plot on Configuration Drafft n MCS8 40MHz Ant. 1 + Ant. 3 / 2422 MHz



Date: 9.DEC.2007 09:37:48

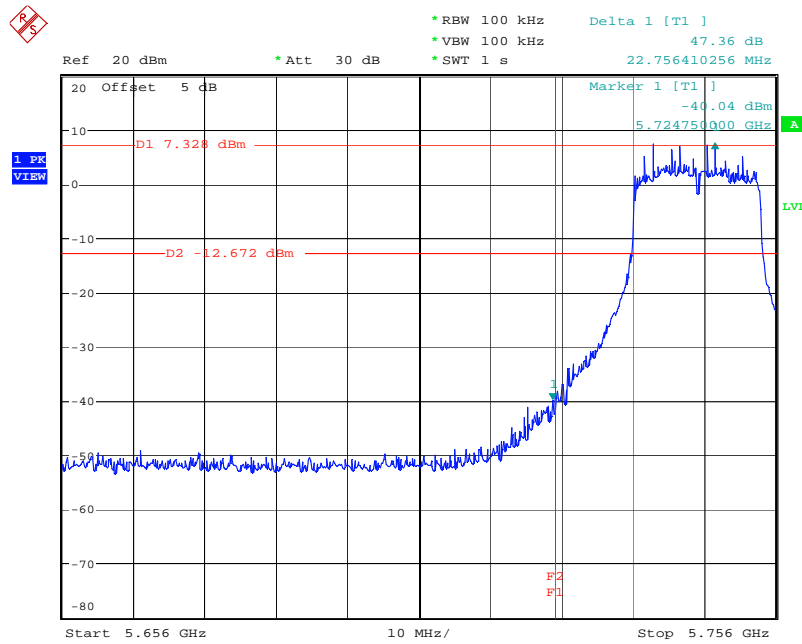
High Band Edge Plot on Configuration Drafft n MCS8 40MHz Ant. 1 + Ant. 3 / 2452 MHz



Date: 9.DEC.2007 09:48:25

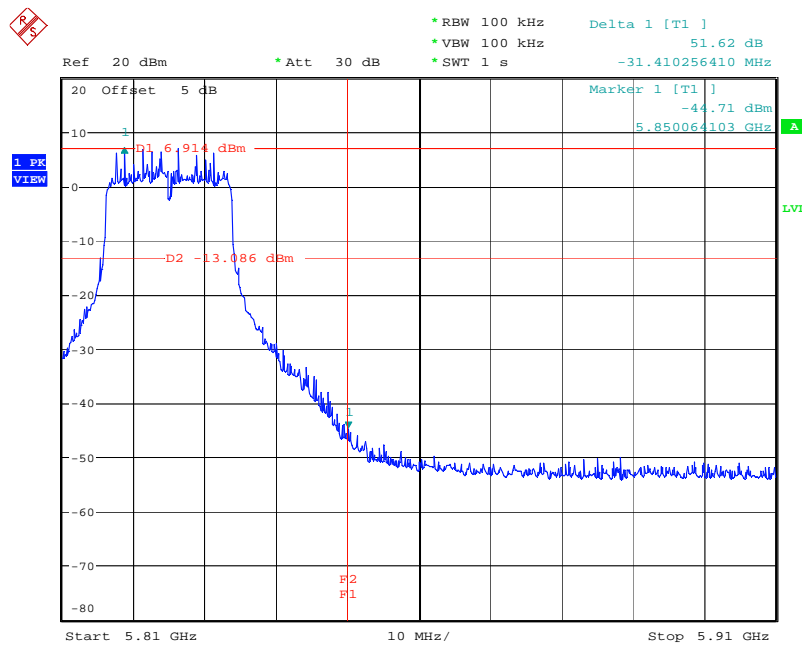
For Emission not in Restricted Band

Low Band Edge Plot on Configuration Drafft n MCS8 20MHz Ant. 1 +Ant. 3 / 5745 MHz



Date: 9.DEC.2007 07:51:15

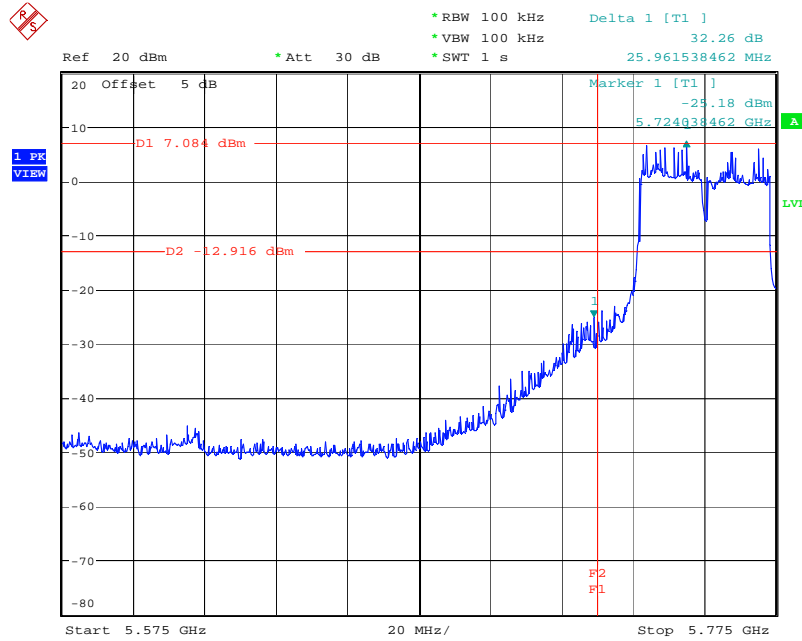
High Band Edge Plot on Configuration Drafft n MCS8 20MHz Ant. 1 +Ant. 3 / 5825 MHz



Date: 9.DEC.2007 08:00:12

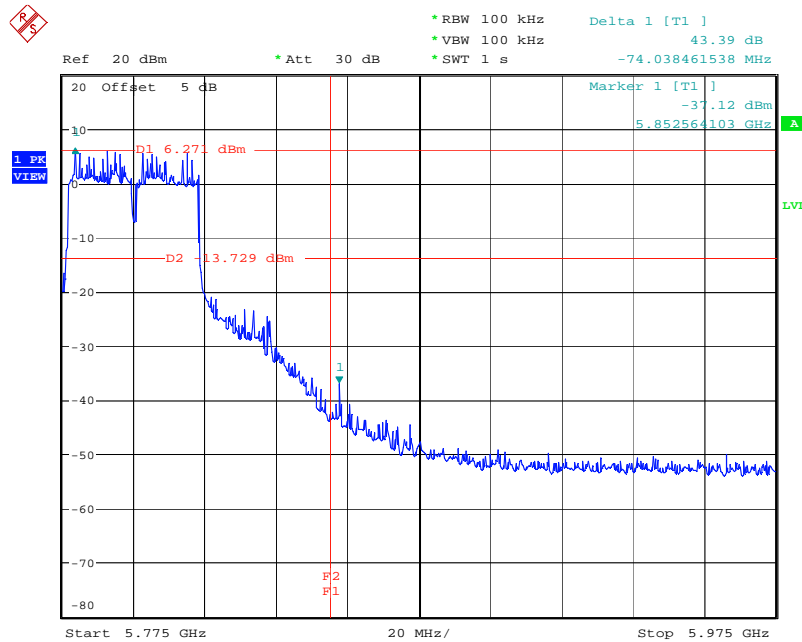
For Emission not in Restricted Band

Low Band Edge Plot on Configuration Drafft n MCS8 40MHz Ant. 1 +Ant. 3 / 5755 MHz



Date: 9.DEC.2007 07:45:34

High Band Edge Plot on Configuration Drafft n MCS8 40MHz Ant. 1 +Ant. 3 / 5795 MHz



Date: 9.DEC.2007 07:40:13

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	100359	9kHz – 2.75GHz	Mar. 01, 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	May 09, 2007	Conduction (CO04-HY)
EMI Filter	LINDGREN	LRE-2030	2651	< 450 Hz	N/A	Conduction (CO04-HY)
Isolation Transformer	Erika Fiedler OHG	D-65396 Walluf	58	45MHz-2.15GHz	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	CPA9231A	1886	9 kHz - 2 GHz	Jan. 22, 2007	Radiation (03CH03-HY)
Amplifier	Agilent	8449B	3008A02120	1 GHz - 26.5 GHz	Jun. 07, 2007	Radiation (03CH03-HY)
Amplifier	MITEQ	AMF-6F-260400	923364	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	NCR	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	Dec. 17, 2007	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)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Temp. and Humidity Chamber	KSON	THS-C3L	612	N/A	Oct. 01, 2007	Conducted (TH01-HY)
RF CABLE-1m	Jye Bao	RG142	CB034-1m	20MHz ~ 7GHz	Dec. 01, 2007	Conducted (TH01-HY)
RF CABLE-2m	Jye Bao	RG142	CB035-2m	20MHz ~ 1GHz	Dec. 01, 2007	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 nd 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

P1, total 9 pages

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