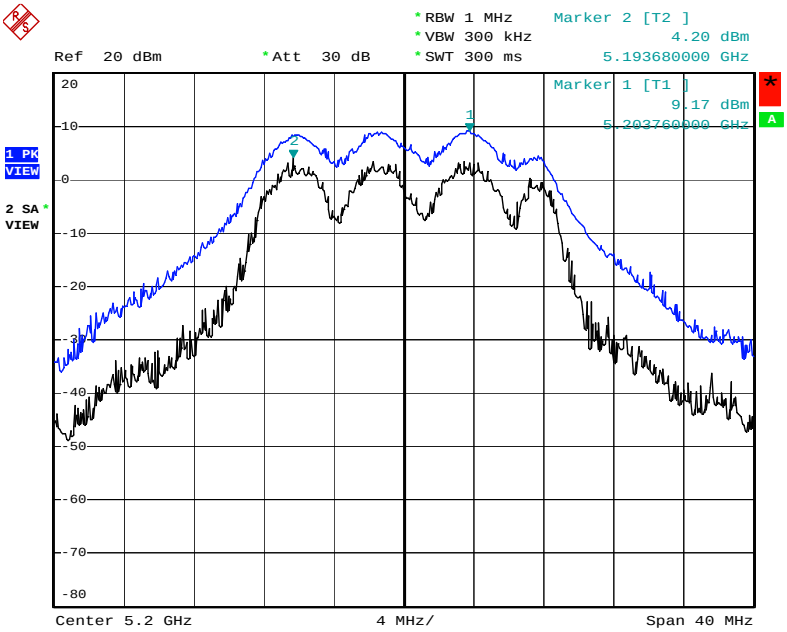
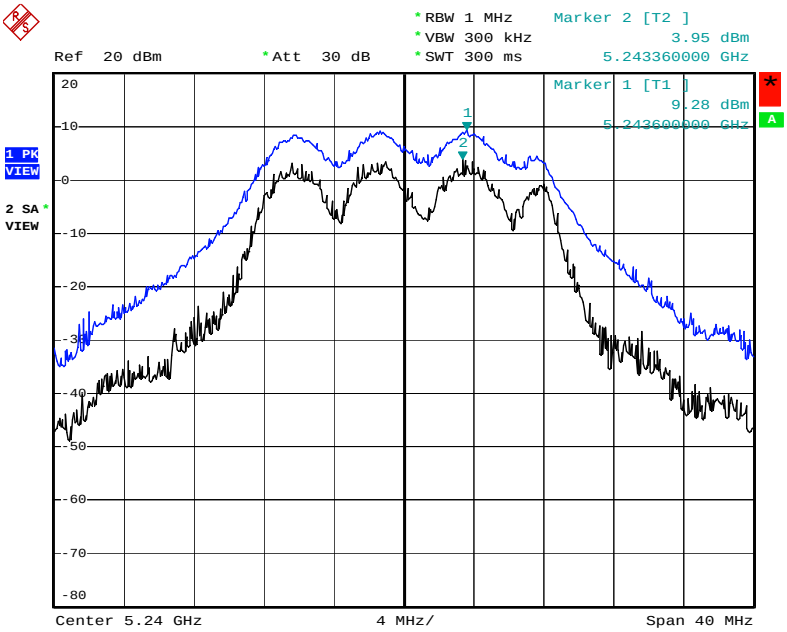
Peak Excursion Plot on Configuration IEEE 802.11a Ant. 6-1 + Ant. 6-3 / 5200 MHz



Date: 9.OCT.2009 17:13:25

Peak Excursion Plot on Configuration IEEE 802.11a Ant. 6-1 + Ant. 6-3 / 5240 MHz



Date: 9.OCT.2009 17:14:18

4.6. Radiated Emissions Measurement

4.6.1. Limit

For transmitters operating in the 5.15-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz (68.3dBuV/m at 3m). For transmitters operating in the 5.470-5.725 GHz band: all emissions outside of the 5.470-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz (68.3dBuV/m at 3m). For transmitters operating in the 5.725-5.825 GHz band: all emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an EIRP of -17 dBm/MHz (78.3dBuV/m at 3m); for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an EIRP of -27 dBm/MHz (68.3dBuV/m at 3m). In addition, 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 spectrum analyzer and receiver.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	40 GHz
RB / VB (Emission in restricted band)	1MHz / 1MHz for Peak, 1 MHz / 10Hz for Average
RB / VB (Emission in non-restricted band)	1000KHz / 1000KHz for peak

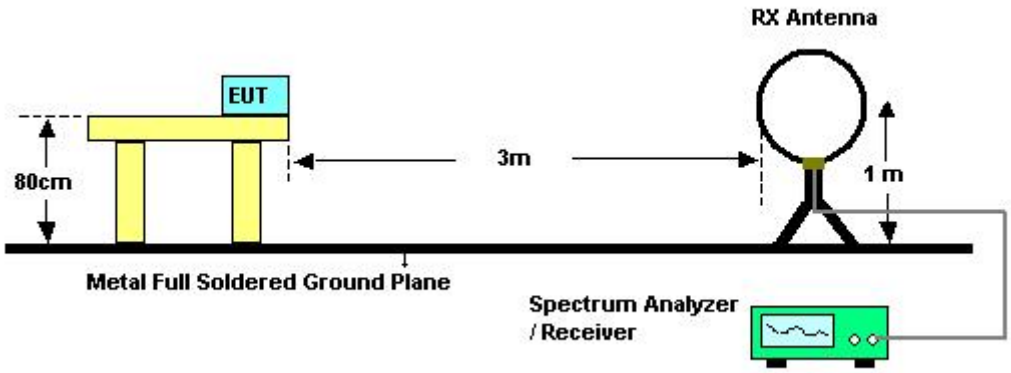
Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

4.6.3. Test Procedures

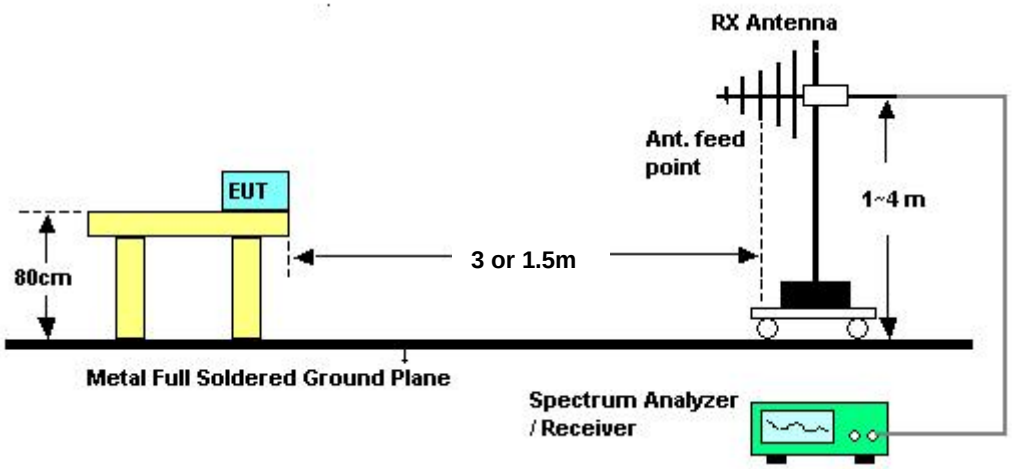
1. Configure the EUT according to ANSI C63.4. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
6. For emissions above 1GHz, use 1MHz VBW and RBW for peak reading. Then 1MHz RBW and 10Hz VBW for average reading in spectrum analyzer.
7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.
8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High – Low scan is not required in this case.

4.6.4. Test Setup Layout

For radiated emissions below 30MHz



For radiated emissions above 30MHz



Above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade form 3m to 1.5m.

Distance extrapolation factor = 20 log (specific distance [3m] / test distance [1.5m]) (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor [6 dB].

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. Results of Radiated Emissions (9kHz~30MHz)

Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	Normal Link

Freq. (MHz)	Level (dBuV)	Over Limit (dB)	Limit Line (dBuV)	Remark
-	-	-	-	See Note

Note:

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

Distance extrapolation factor = 40 log (specific distance / test distance) (dB);

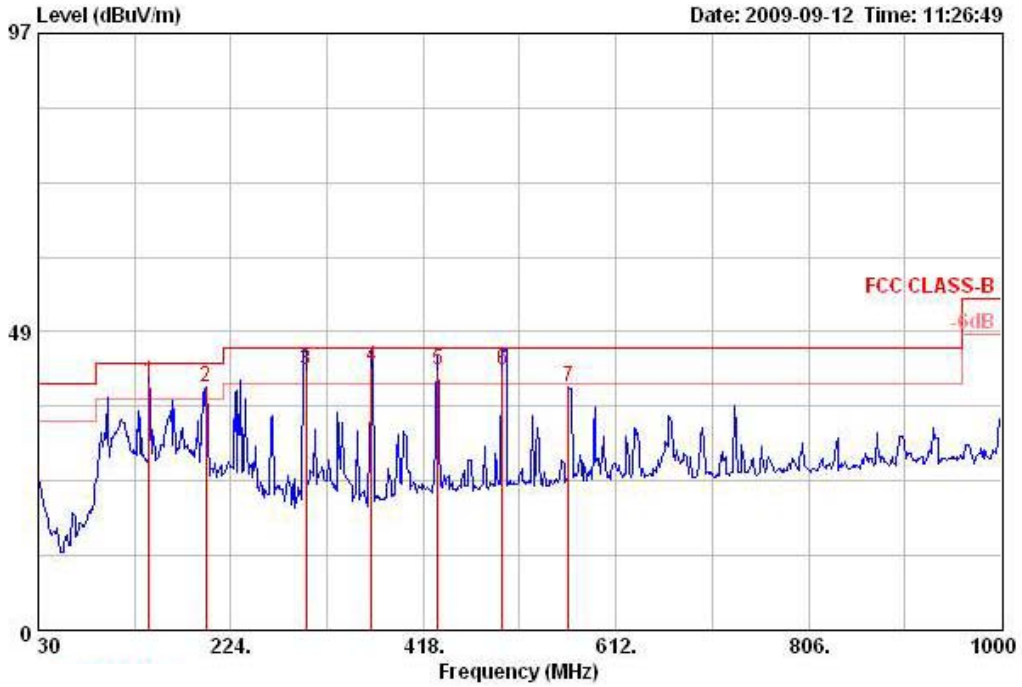
Limit line = specific limits (dBuV) + distance extrapolation factor.

4.6.8. Results of Radiated Emissions (30MHz~1GHz)

<For Antenna 1>:

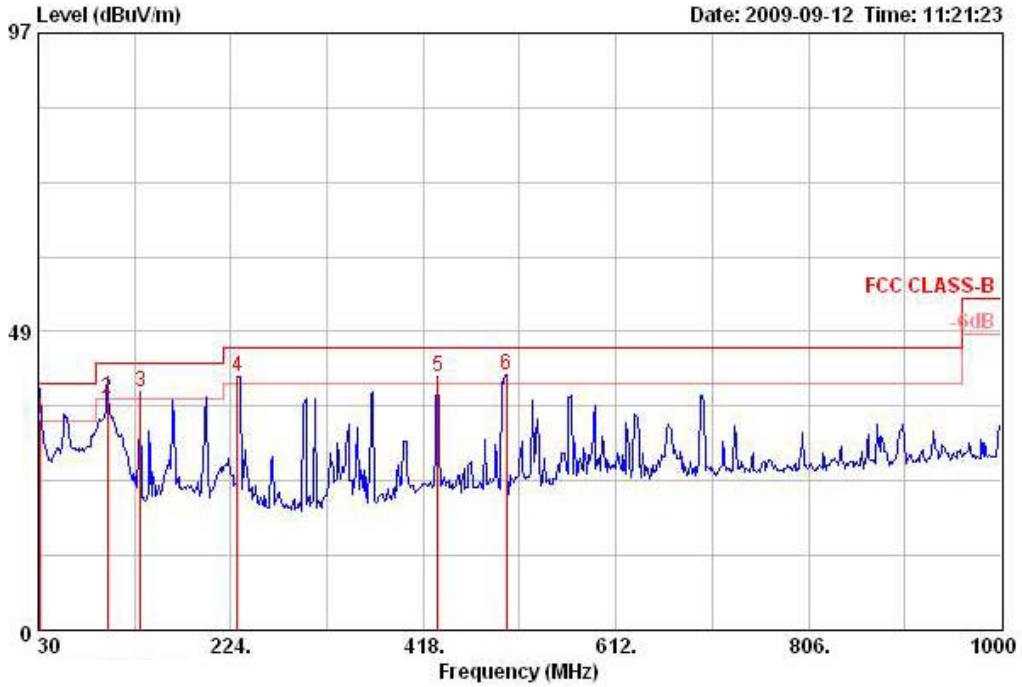
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	Normal Link / Antenna 1

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 @	141.550	40.37	-3.13	43.50	54.10	12.26	27.39	1.41	QP	HORIZONTAL	195	100
2 !	198.780	39.61	-3.89	43.50	55.77	9.25	27.11	1.70	Peak	HORIZONTAL	0	100
3 !	299.660	42.26	-3.74	46.00	53.70	13.36	26.90	2.10	QP	HORIZONTAL	0	100
4 !	365.620	42.80	-3.20	46.00	52.78	15.14	27.36	2.23	QP	HORIZONTAL	177	100
5 !	432.550	42.30	-3.70	46.00	51.00	16.57	27.76	2.50	QP	HORIZONTAL	192	100
6 !	497.540	42.39	-3.61	46.00	50.20	17.58	28.09	2.69	QP	HORIZONTAL	188	100
7	564.470	39.46	-6.54	46.00	46.37	18.36	28.10	2.83	Peak	HORIZONTAL	0	100

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 !	31.940	34.21	-5.79	40.00	43.82	17.69	27.80	0.50	QP	VERTICAL	20	100
2 !	99.840	37.70	-5.80	43.50	53.11	10.99	27.60	1.20	QP	VERTICAL	186	100
3 !	132.820	38.58	-4.92	43.50	52.39	12.28	27.43	1.33	Peak	VERTICAL	0	400
4 !	230.790	41.17	-4.83	46.00	55.04	11.34	27.04	1.82	Peak	VERTICAL	0	400
5 !	432.550	41.28	-4.72	46.00	49.97	16.57	27.76	2.50	Peak	VERTICAL	0	400
6 !	501.420	41.46	-4.54	46.00	49.22	17.64	28.10	2.70	Peak	VERTICAL	0	400

Note:

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

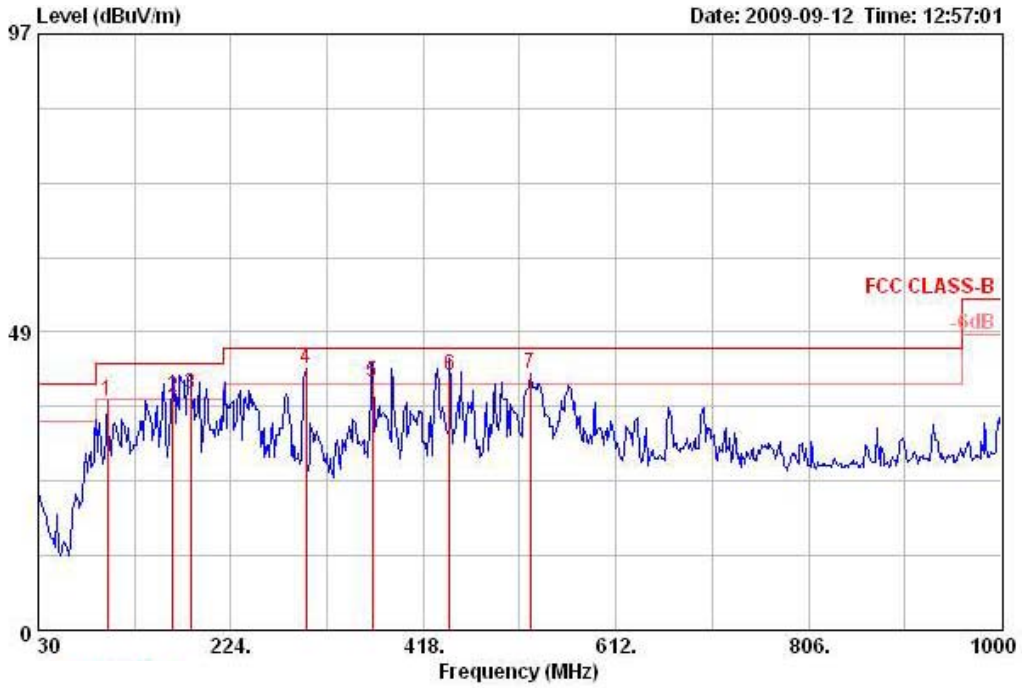
Emission level (dBuV/m) = 20 log Emission level (uV/m).

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

<For Antenna 2>:

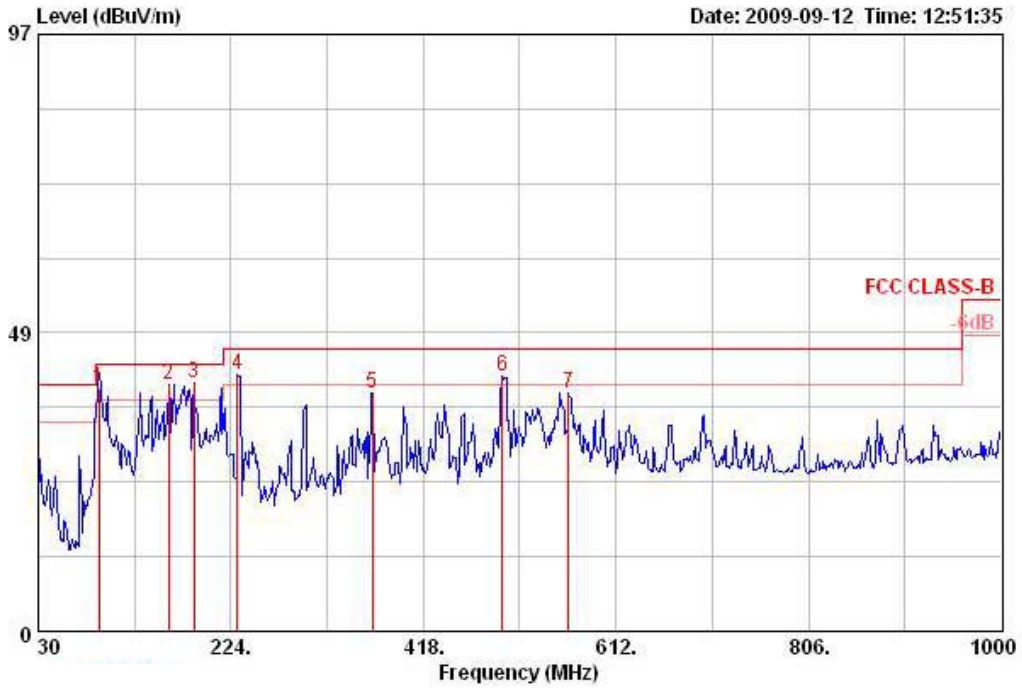
Temperature	26.8℃	Humidity	56%
Test Engineer	Beck Wu	Configurations	Normal Link / Antenna 2

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1	99.840	37.21	-6.29	43.50	52.62	10.99	27.60	1.20	Peak	HORIZONTAL	0	100
2 !	165.800	37.89	-5.61	43.50	51.17	12.47	27.27	1.53	QP	HORIZONTAL	36	100
3 !	183.260	38.40	-5.10	43.50	51.44	12.53	27.18	1.62	QP	HORIZONTAL	178	100
4 @	299.660	42.60	-3.40	46.00	54.05	13.36	26.90	2.10	Peak	HORIZONTAL	0	100
5 !	366.590	40.33	-5.67	46.00	50.29	15.17	27.37	2.23	QP	HORIZONTAL	193	100
6 !	444.190	41.37	-4.63	46.00	49.87	16.75	27.82	2.57	QP	HORIZONTAL	166	100
7 !	525.670	41.75	-4.25	46.00	49.18	17.92	28.10	2.75	Peak	HORIZONTAL	0	100

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 !	91.110	39.63	-3.87	43.50	56.98	9.18	27.64	1.10	QP	VERTICAL	23	100
2 !	160.950	40.05	-3.45	43.50	53.73	12.10	27.29	1.50	Peak	VERTICAL	0	400
3 @	187.140	40.35	-3.15	43.50	54.17	11.71	27.16	1.63	Peak	VERTICAL	0	400
4 !	230.790	41.74	-4.26	46.00	55.62	11.34	27.04	1.82	Peak	VERTICAL	0	400
5	366.590	38.66	-7.34	46.00	48.63	15.17	27.37	2.23	Peak	VERTICAL	0	400
6 !	497.540	41.47	-4.53	46.00	49.28	17.58	28.09	2.69	Peak	VERTICAL	0	400
7	564.470	38.79	-7.21	46.00	45.70	18.36	28.10	2.83	Peak	VERTICAL	0	400

Note:

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

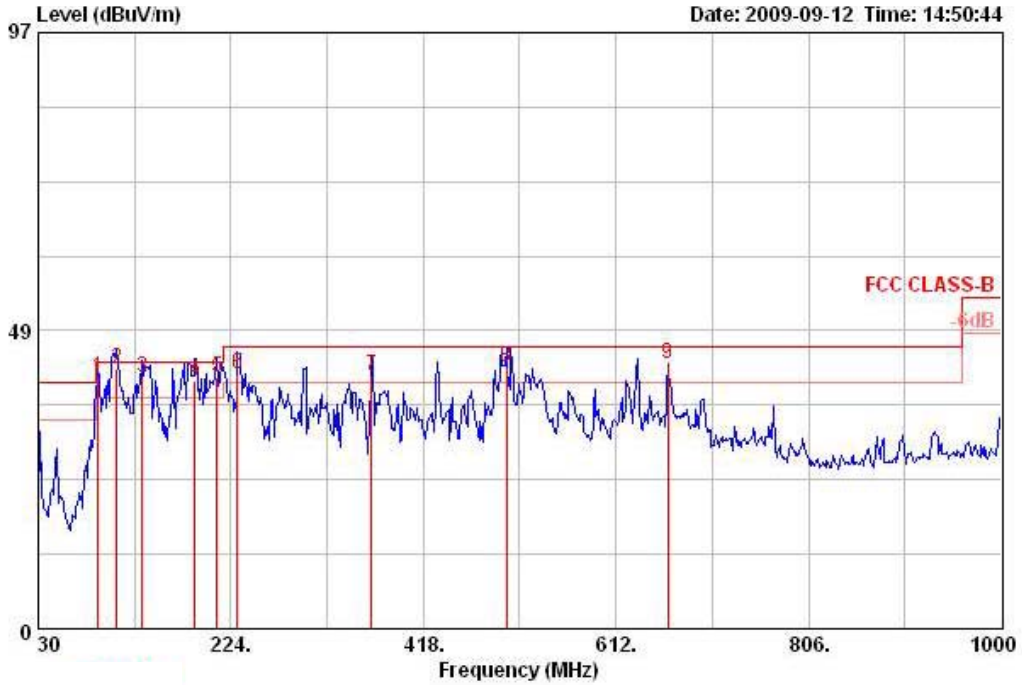
Emission level (dBuV/m) = 20 log Emission level (uV/m).

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

<For Antenna 3>:

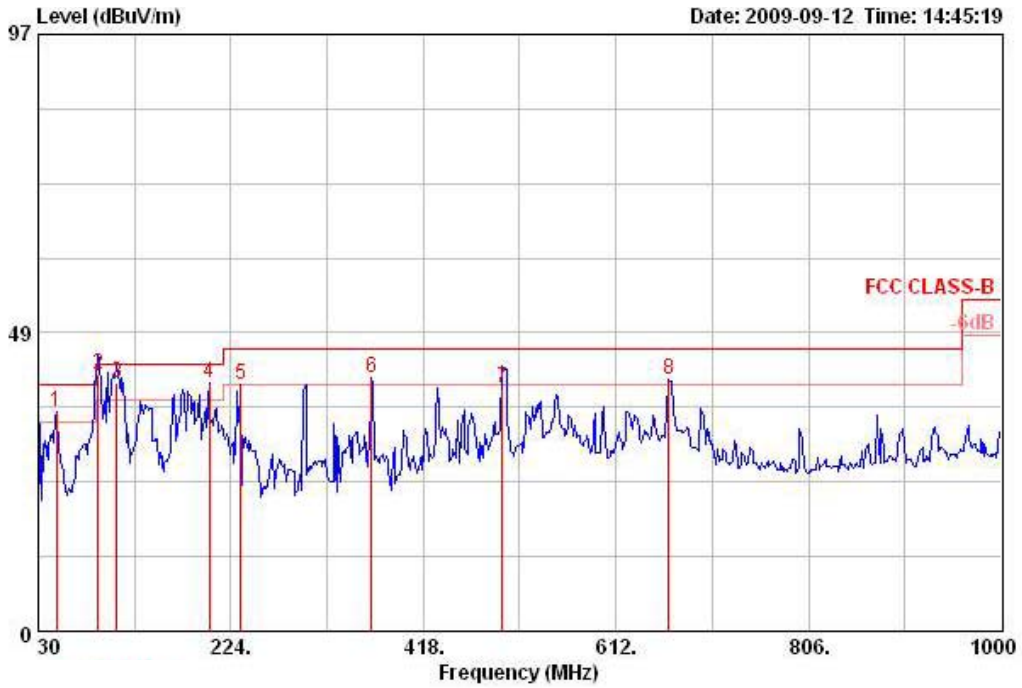
Temperature	26.8℃	Humidity	56%
Test Engineer	Beck Wu	Configurations	Normal Link / Antenna 3

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 !	90.140	40.90	-2.60	43.50	58.46	8.98	27.64	1.10	QP	HORIZONTAL	180	210
2 @	109.540	42.18	-1.32	43.50	56.81	11.72	27.56	1.20	QP	HORIZONTAL	178	189
3 !	134.760	41.00	-2.50	43.50	54.77	12.30	27.43	1.35	QP	HORIZONTAL	182	100
4 !	188.110	40.25	-3.25	43.50	54.26	11.50	27.16	1.64	QP	HORIZONTAL	192	100
5 !	210.420	40.81	-2.69	43.50	56.31	9.84	27.08	1.74	QP	HORIZONTAL	169	100
6 !	230.790	41.54	-4.46	46.00	55.42	11.34	27.04	1.82	QP	HORIZONTAL	168	100
7 !	365.620	41.10	-4.90	46.00	51.08	15.14	27.36	2.23	QP	HORIZONTAL	184	100
8 !	501.420	42.46	-3.54	46.00	50.22	17.64	28.10	2.70	QP	HORIZONTAL	190	100
9 !	664.380	43.00	-3.00	46.00	48.62	18.98	28.04	3.44	Peak	HORIZONTAL	0	100

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 !	48.430	35.52	-4.48	40.00	53.50	9.13	27.80	0.70	Peak	VERTICAL	0	400
2 !	90.140	41.66	-1.84	43.50	59.22	8.98	27.64	1.10	QP	VERTICAL	169	100
3 !	109.540	40.48	-3.02	43.50	55.11	11.72	27.56	1.20	QP	VERTICAL	188	100
4 !	202.660	40.30	-3.20	43.50	56.42	9.26	27.09	1.71	Peak	VERTICAL	0	400
5 !	233.700	40.16	-5.84	46.00	53.80	11.55	27.03	1.83	Peak	VERTICAL	0	400
6 !	365.620	41.17	-4.83	46.00	51.15	15.14	27.36	2.23	Peak	VERTICAL	0	400
7	497.540	39.50	-6.50	46.00	47.31	17.58	28.09	2.69	QP	VERTICAL	183	100
8 !	665.350	40.88	-5.12	46.00	46.50	18.98	28.03	3.44	Peak	VERTICAL	0	400

Note:

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

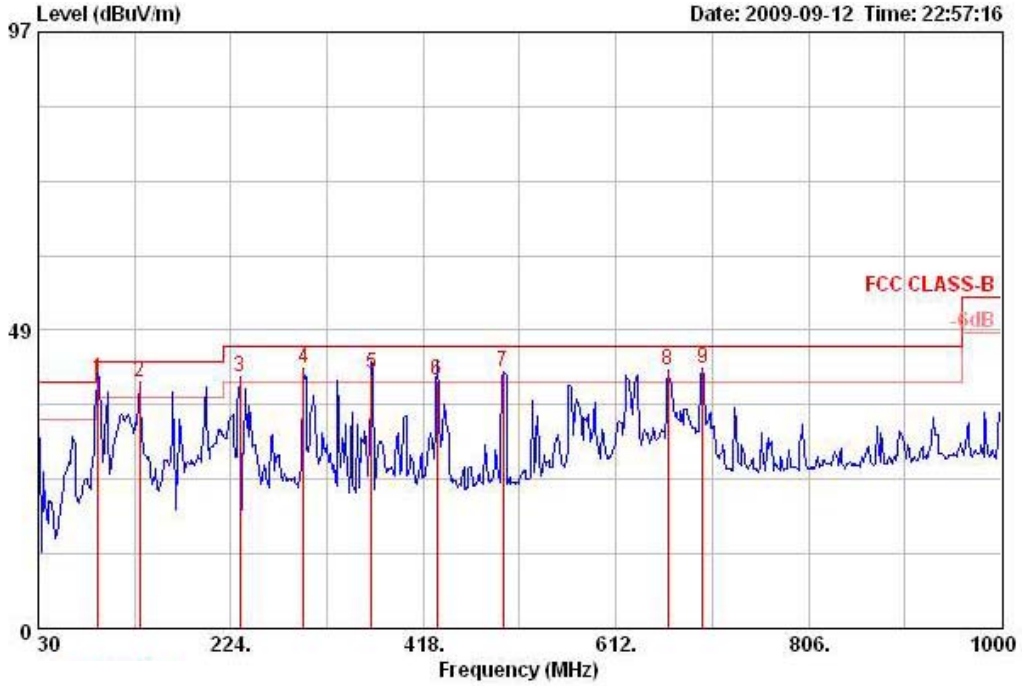
Emission level (dBuV/m) = 20 log Emission level (uV/m).

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

<For Antenna 4>:

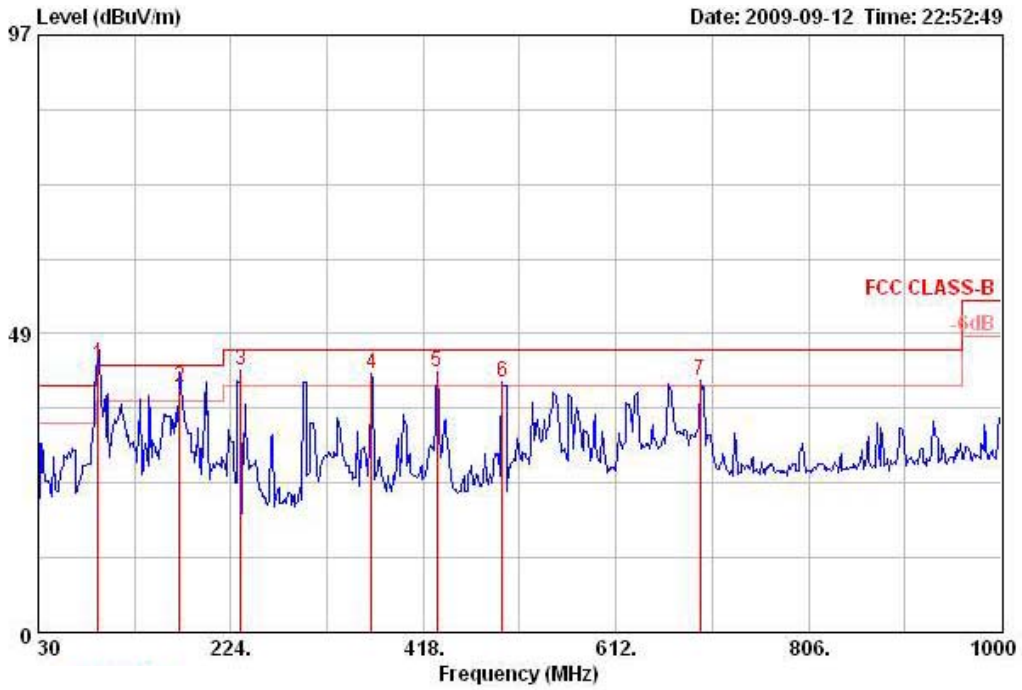
Temperature	26.8℃	Humidity	56%
Test Engineer	Beck Wu	Configurations	Normal Link / Antenna 4

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 @	90.140	40.67	-2.83	43.50	58.23	8.98	27.64	1.10	QP	HORIZONTAL	183	200
2 @	131.850	39.97	-3.53	43.50	53.81	12.28	27.44	1.32	Peak	HORIZONTAL	0	100
3 @	232.730	40.80	-5.20	46.00	54.52	11.48	27.03	1.83	Peak	HORIZONTAL	0	100
4 @	297.720	42.16	-3.84	46.00	53.63	13.34	26.91	2.09	Peak	HORIZONTAL	0	100
5 @	365.620	41.49	-4.51	46.00	51.47	15.14	27.36	2.23	QP	HORIZONTAL	185	198
6 @	431.580	40.40	-5.60	46.00	49.11	16.56	27.76	2.49	QP	HORIZONTAL	169	200
7 @	498.510	41.73	-4.27	46.00	49.52	17.60	28.09	2.70	Peak	HORIZONTAL	0	100
8 @	664.380	42.03	-3.97	46.00	47.65	18.98	28.04	3.44	Peak	HORIZONTAL	0	100
9 @	699.300	42.27	-3.73	46.00	47.88	19.09	28.00	3.30	Peak	HORIZONTAL	0	100

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 @	90.140	43.30	-0.20	43.50	60.86	8.98	27.64	1.10	QP	VERTICAL	187	100
2 @	172.590	39.79	-3.71	43.50	52.49	12.97	27.23	1.56	QP	VERTICAL	178	100
3 @	233.700	42.50	-3.50	46.00	56.14	11.55	27.03	1.83	Peak	VERTICAL	0	400
4 @	365.620	41.88	-4.12	46.00	51.86	15.14	27.36	2.23	Peak	VERTICAL	0	400
5 @	431.580	42.39	-3.61	46.00	51.10	16.56	27.76	2.49	Peak	VERTICAL	0	400
6 @	497.540	40.72	-5.28	46.00	48.53	17.58	28.09	2.69	Peak	VERTICAL	0	400
7 @	696.390	40.94	-5.06	46.00	46.54	19.08	28.00	3.32	Peak	VERTICAL	0	400

Note:

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

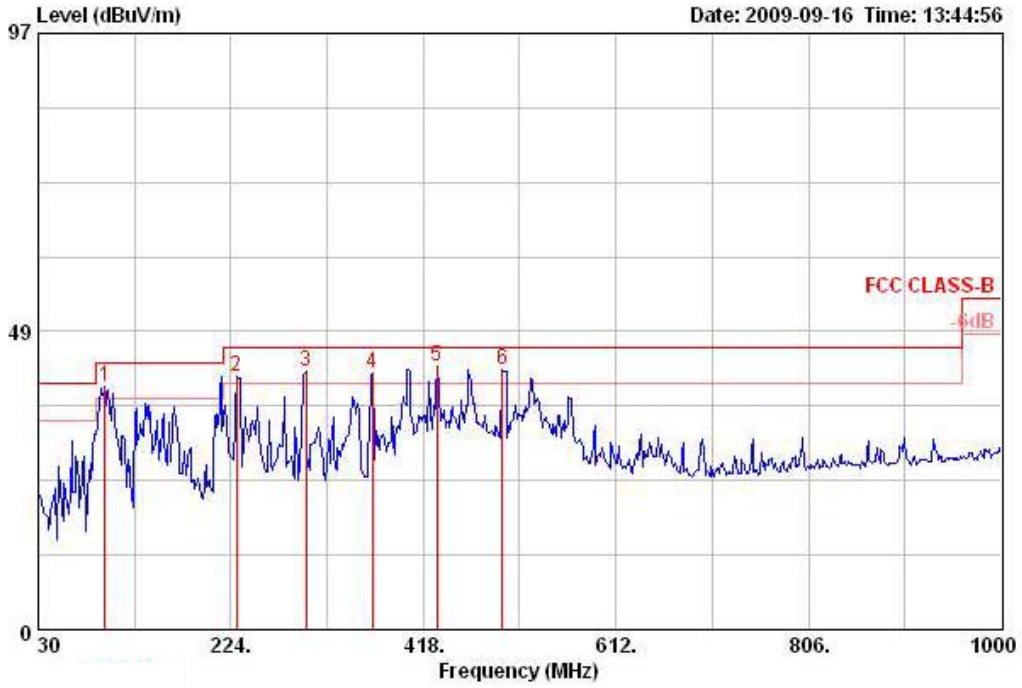
Emission level (dBuV/m) = 20 log Emission level (uV/m).

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

<For Antenna 5>:

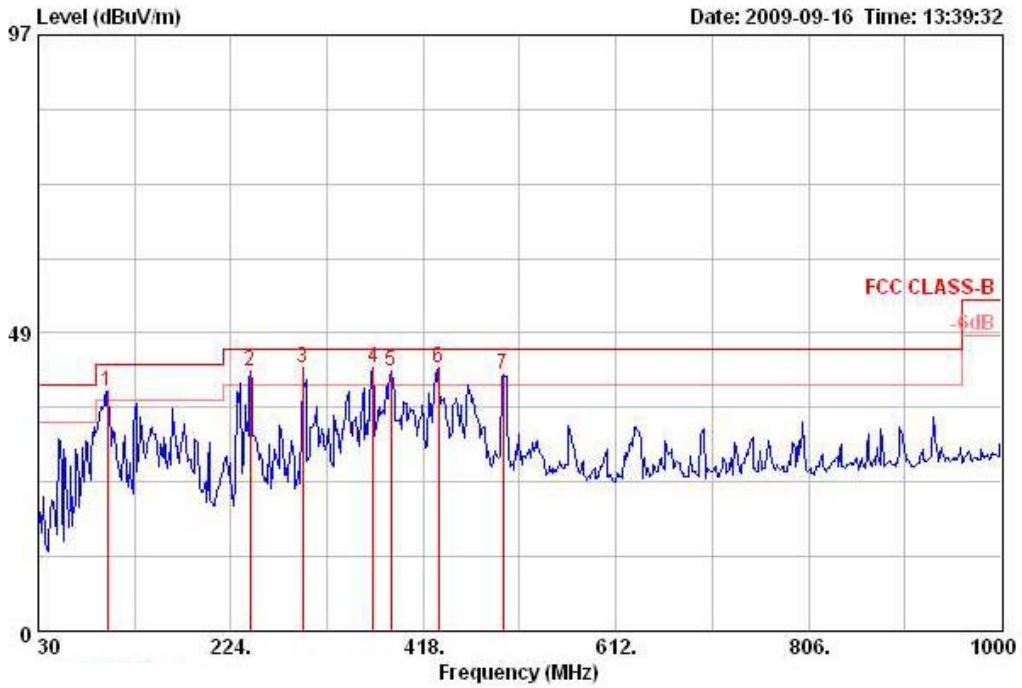
Temperature	26.8℃	Humidity	56%
Test Engineer	Beck Wu	Configurations	Normal Link / Antenna 5

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 !	96.930	39.51	-3.99	43.50	55.60	10.39	27.62	1.14	Peak	HORIZONTAL	0	100
2 !	229.820	41.23	-4.77	46.00	55.19	11.27	27.04	1.82	Peak	HORIZONTAL	0	100
3 !	299.660	42.10	-3.90	46.00	53.54	13.36	26.90	2.10	Peak	HORIZONTAL	0	100
4 !	366.590	41.80	-4.20	46.00	51.76	15.17	27.37	2.23	Peak	HORIZONTAL	0	100
5 @	431.580	42.71	-3.29	46.00	51.42	16.56	27.76	2.49	Peak	HORIZONTAL	315	100
6 !	497.540	42.35	-3.65	46.00	50.16	17.58	28.09	2.69	Peak	HORIZONTAL	0	100

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 !	99.840	39.04	-4.46	43.50	54.45	10.99	27.60	1.20	Peak	VERTICAL	0	400
2 !	243.400	42.22	-3.78	46.00	55.09	12.27	27.01	1.87	Peak	VERTICAL	0	400
3 @	296.750	42.96	-3.04	46.00	54.45	13.33	26.91	2.09	Peak	VERTICAL	213	100
4 @	367.560	42.79	-3.21	46.00	52.74	15.19	27.38	2.24	Peak	VERTICAL	0	400
5 !	385.020	42.22	-3.78	46.00	51.77	15.67	27.49	2.27	Peak	VERTICAL	0	400
6 !	433.520	42.70	-3.30	46.00	51.37	16.59	27.76	2.50	Peak	VERTICAL	0	400
7 !	498.510	41.69	-4.31	46.00	49.48	17.60	28.09	2.70	Peak	VERTICAL	0	400

Note:

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

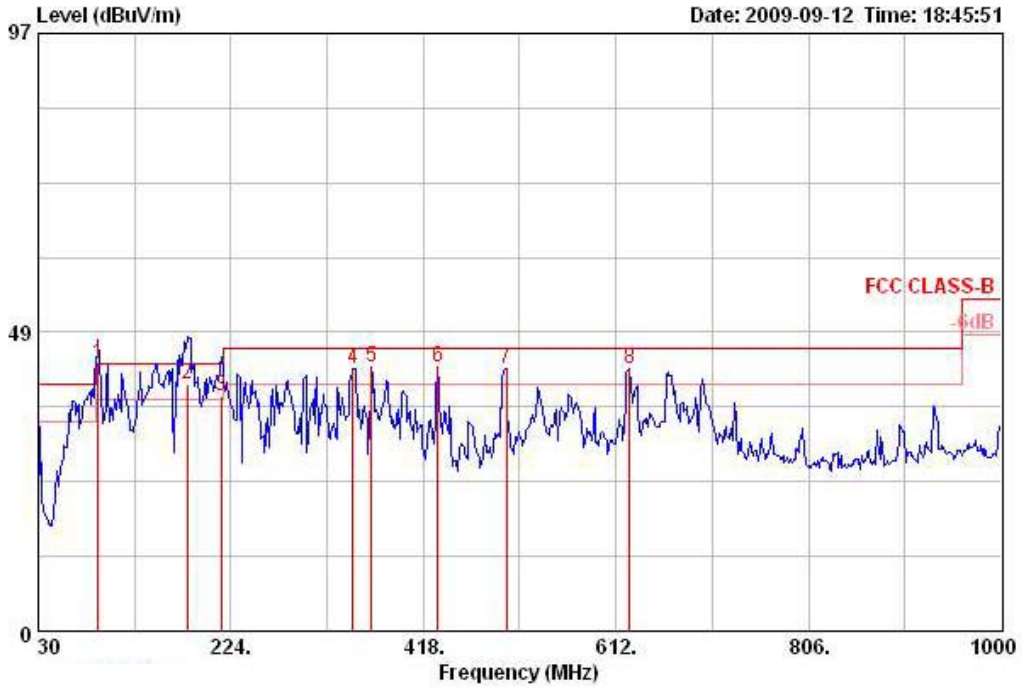
Emission level (dBuV/m) = 20 log Emission level (uV/m).

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

<For Antenna 6>:

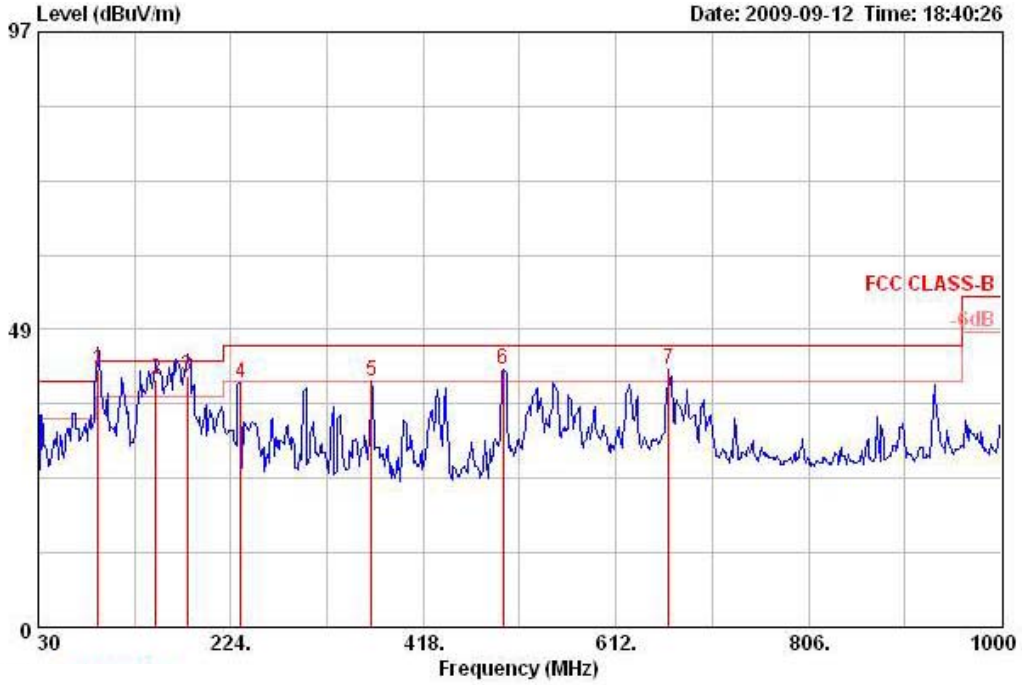
Temperature	26.8℃	Humidity	56%
Test Engineer	Beck Wu	Configurations	Normal Link / Antenna 6

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 @	90.140	43.44	-0.06	43.50	61.00	8.98	27.64	1.10	QP	HORIZONTAL	190	224
2 !	180.350	40.20	-3.30	43.50	52.66	13.14	27.20	1.60	QP	HORIZONTAL	182	200
3 !	214.300	38.01	-5.49	43.50	53.20	10.12	27.07	1.76	QP	HORIZONTAL	182	100
4 !	347.190	42.65	-3.35	46.00	53.04	14.64	27.23	2.19	Peak	HORIZONTAL	0	100
5 !	365.620	42.85	-3.15	46.00	52.84	15.14	27.36	2.23	Peak	HORIZONTAL	0	100
6 !	432.550	42.78	-3.22	46.00	51.47	16.57	27.76	2.50	Peak	HORIZONTAL	0	100
7 !	501.420	42.61	-3.39	46.00	50.37	17.64	28.10	2.70	Peak	HORIZONTAL	0	100
8 !	625.580	42.55	-3.45	46.00	48.72	18.85	28.07	3.05	Peak	HORIZONTAL	0	100

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 !	90.140	42.14	-1.36	43.50	59.70	8.98	27.64	1.10	QP	VERTICAL	176	100
2 !	148.340	40.29	-3.21	43.50	54.26	11.94	27.36	1.45	QP	VERTICAL	199	100
3 !	180.350	40.76	-2.74	43.50	53.22	13.14	27.20	1.60	QP	VERTICAL	169	100
4	233.700	39.82	-6.18	46.00	53.47	11.55	27.03	1.83	Peak	VERTICAL	0	400
5 !	365.620	40.16	-5.84	46.00	50.14	15.14	27.36	2.23	Peak	VERTICAL	0	400
6 !	498.510	41.93	-4.07	46.00	49.72	17.60	28.09	2.70	Peak	VERTICAL	0	400
7 !	665.350	41.95	-4.05	46.00	47.56	18.98	28.03	3.44	Peak	VERTICAL	0	400

Note:

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

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

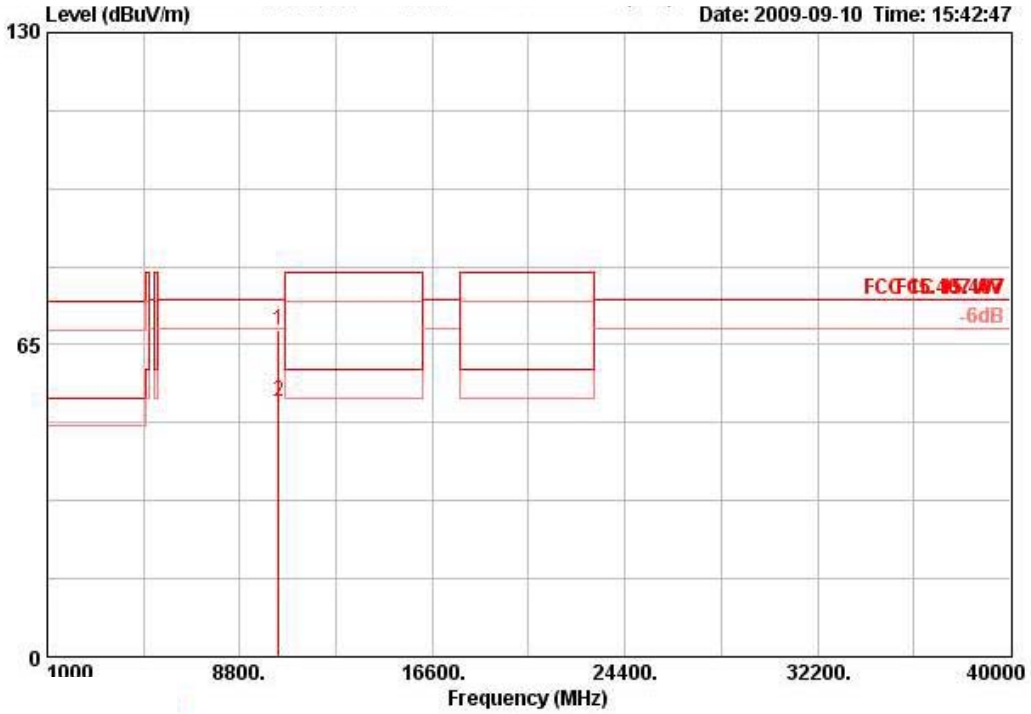
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

4.6.9. Results for Radiated Emissions (1GHz~40GHz)

<For Antenna 1>:

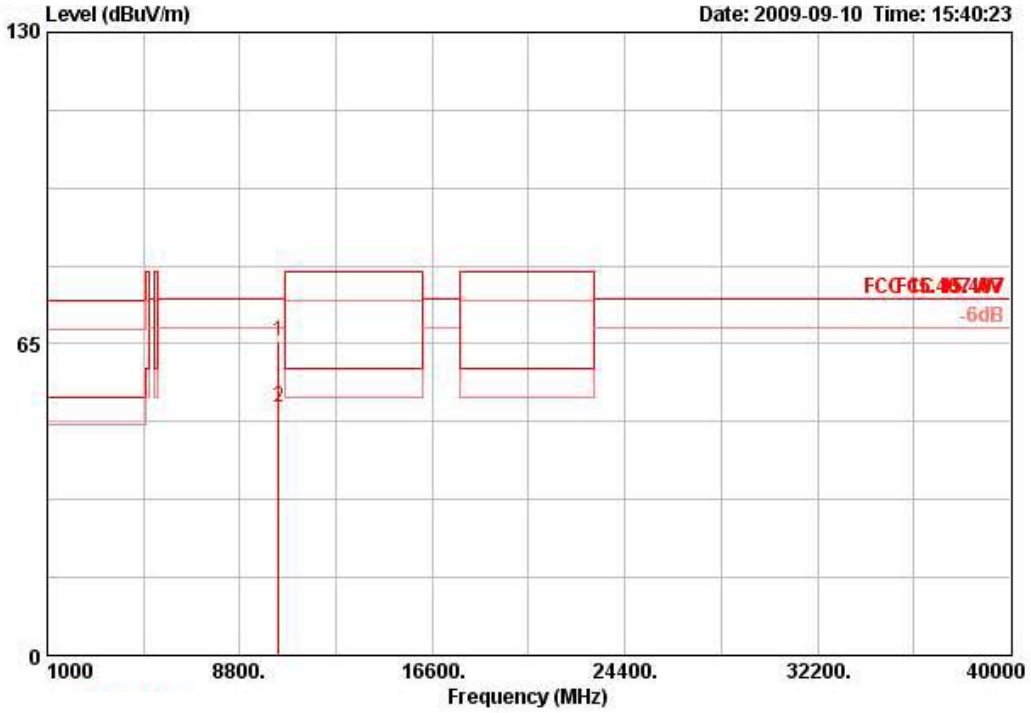
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	Draft n MCS8 20MHz Ch 36 / Ant. 1

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 @	10359.920	68.08	74.30	-6.22	58.83	6.49	35.62	38.37	312	120	PEAK	HORIZONTAL
2	10360.480	52.98	74.30	-21.32	43.74	6.49	35.62	38.37	312	120	AVERAGE	HORIZONTAL

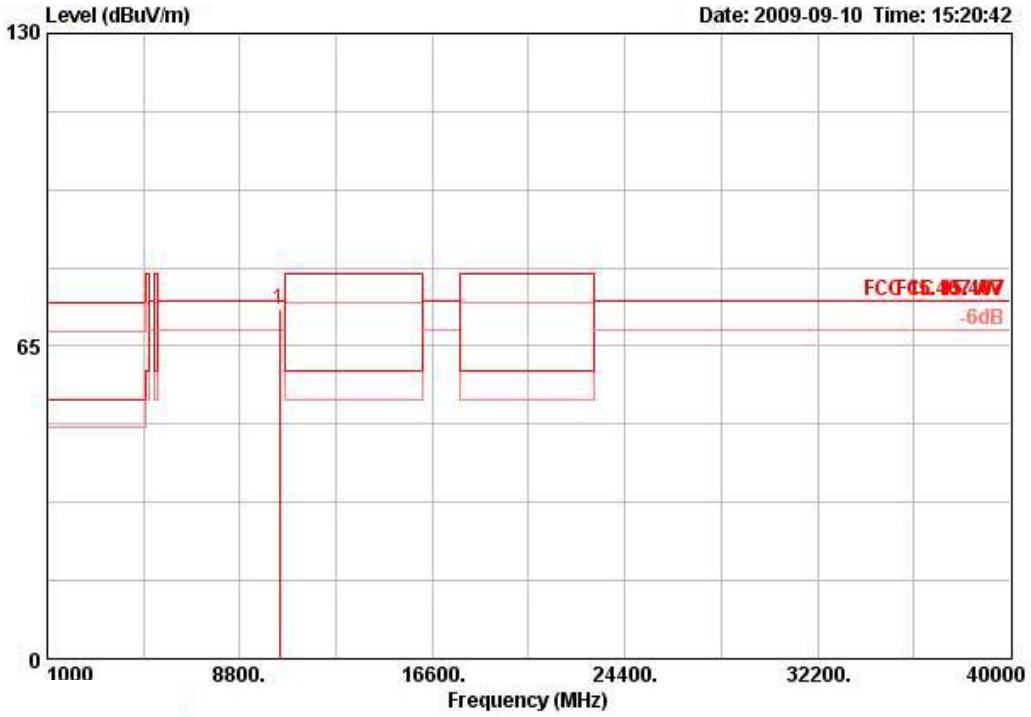
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 @	10360.040	65.50	74.30	-8.80	56.26	6.49	35.62	38.37	255	106	PEAK	VERTICAL
2	10360.360	51.64	74.30	-22.66	42.39	6.49	35.62	38.37	255	106	AVERAGE	VERTICAL

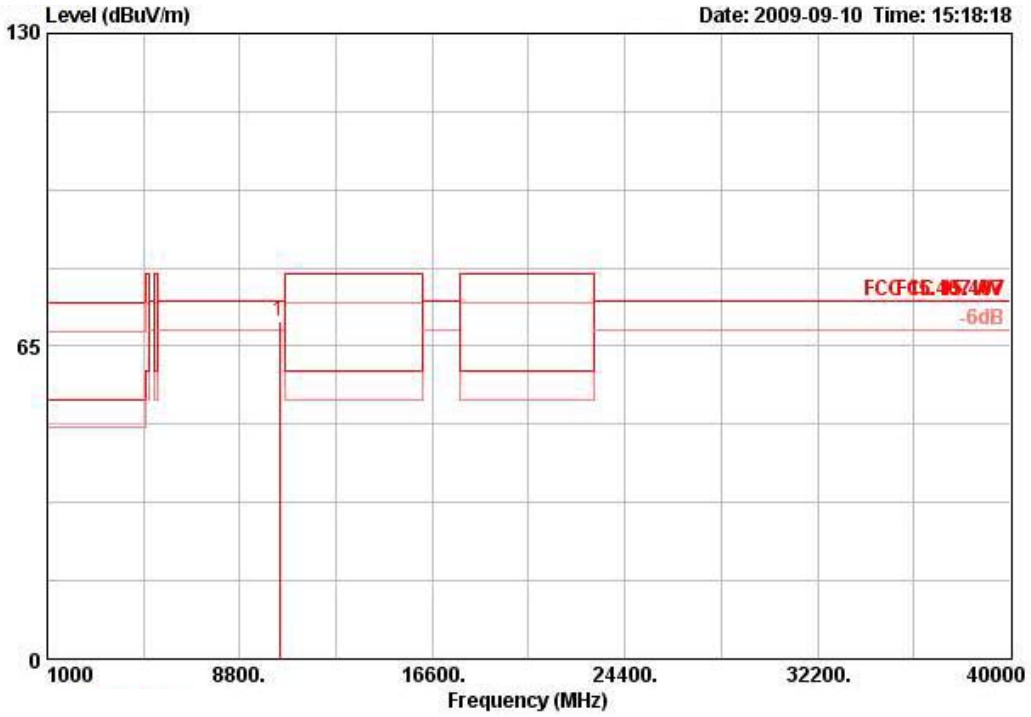
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	Draft n MCS8 20MHz Ch 40 / Ant. 1

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 @	10399.960	72.74	74.30	-1.56	63.42	6.52	35.58	38.38	309	115	PEAK	HORIZONTAL

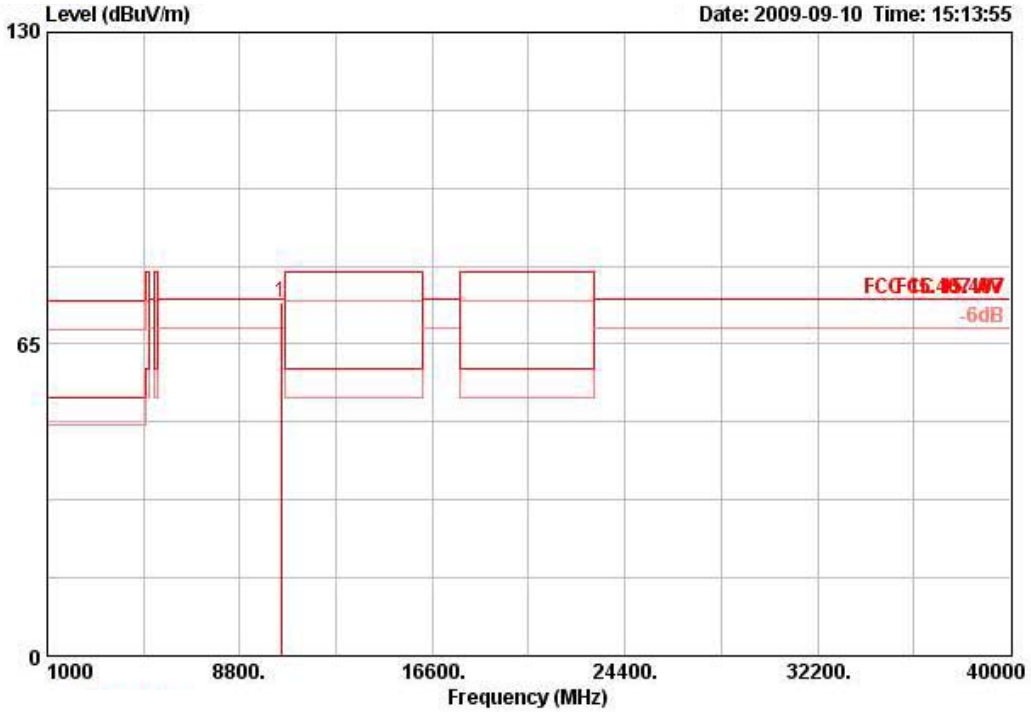
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 @	10400.040	70.24	74.30	-4.06	60.92	6.52	35.58	38.38	243	100	PEAK	VERTICAL

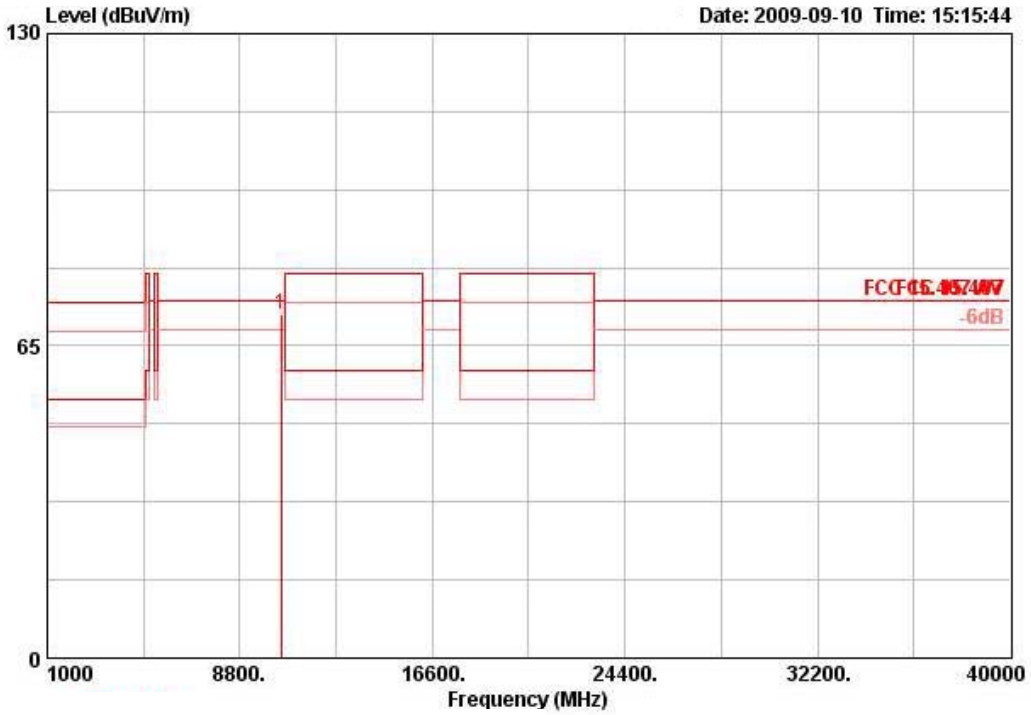
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	Draft n MCS8 20MHz Ch 48 / Ant. 1

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 @	10479.960	73.70	74.30	-0.60	64.26	6.57	35.52	38.39	309	116	PEAK	HORIZONTAL

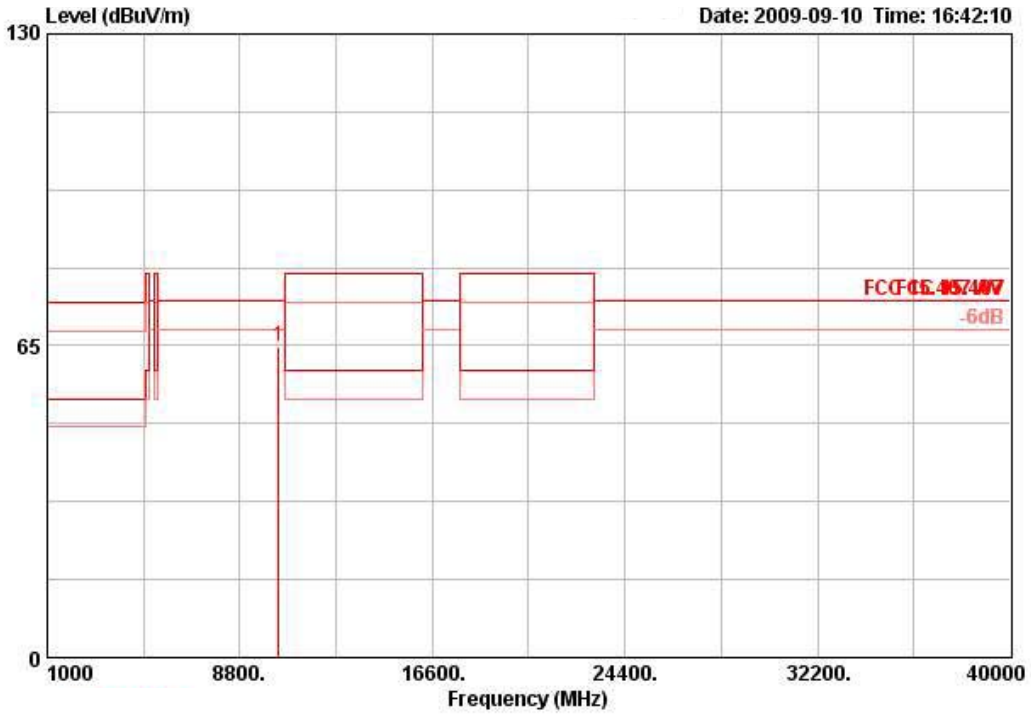
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 @	10479.920	71.44	74.30	-2.86	62.00	6.57	35.52	38.40	219	110	PEAK	VERTICAL

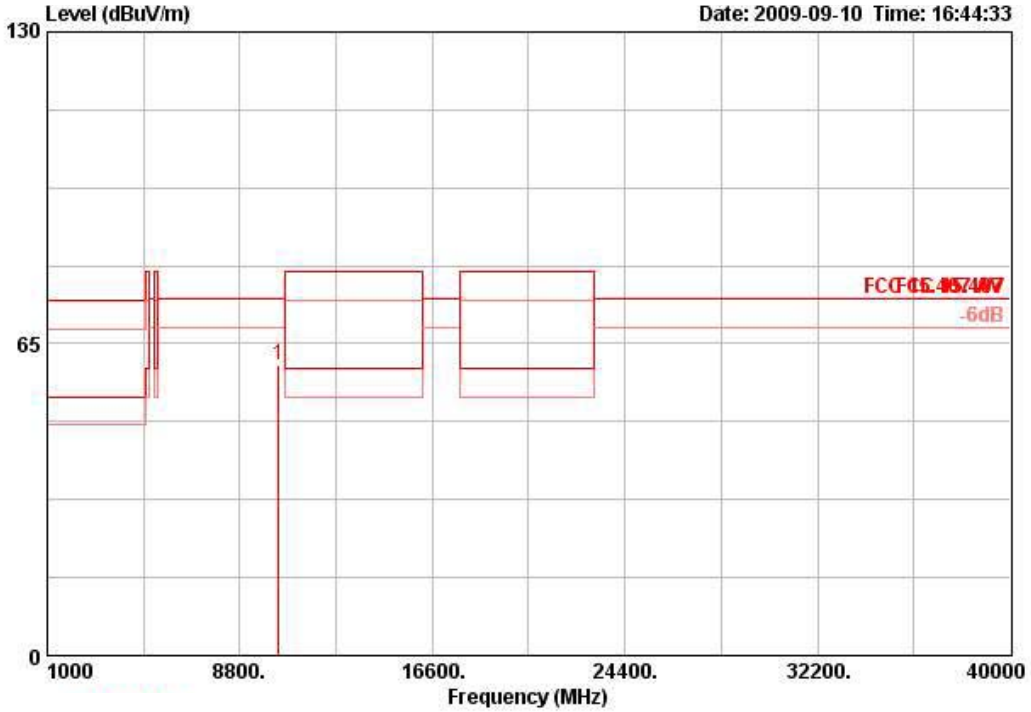
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	Draft n MCS8 40MHz Ch 38 / Ant. 1

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 @	10380.000	64.66	74.30	-9.64	55.38	6.51	35.60	38.38	294	118	PEAK	HORIZONTAL

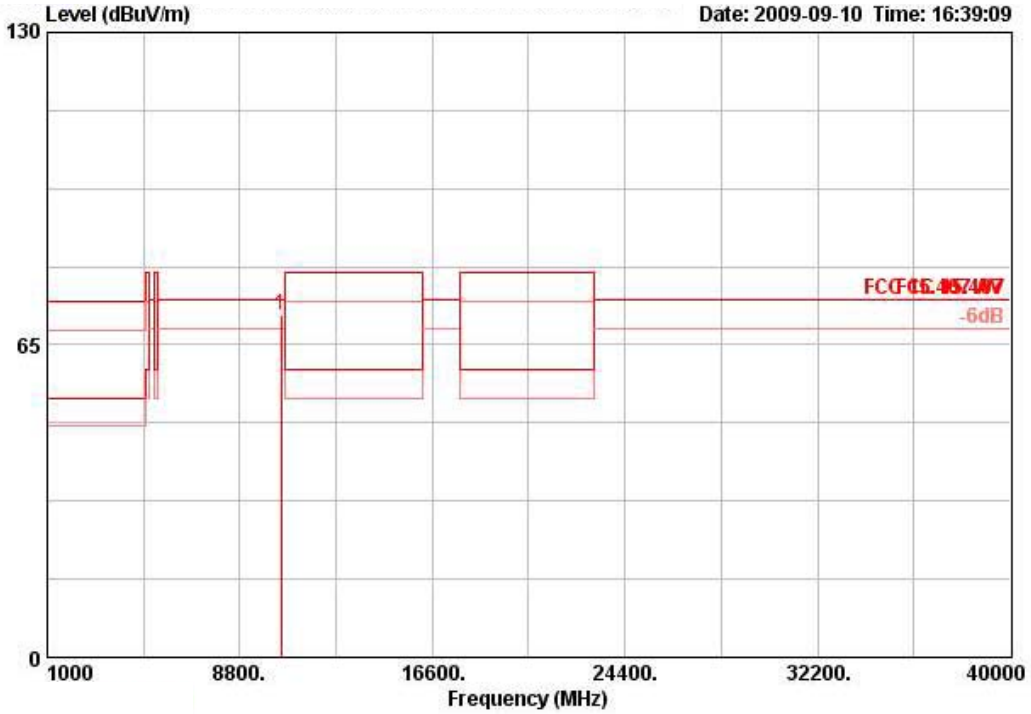
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	10380.100	60.61	74.30	-13.69	51.33	6.51	35.60	38.38	26	134	PEAK	VERTICAL

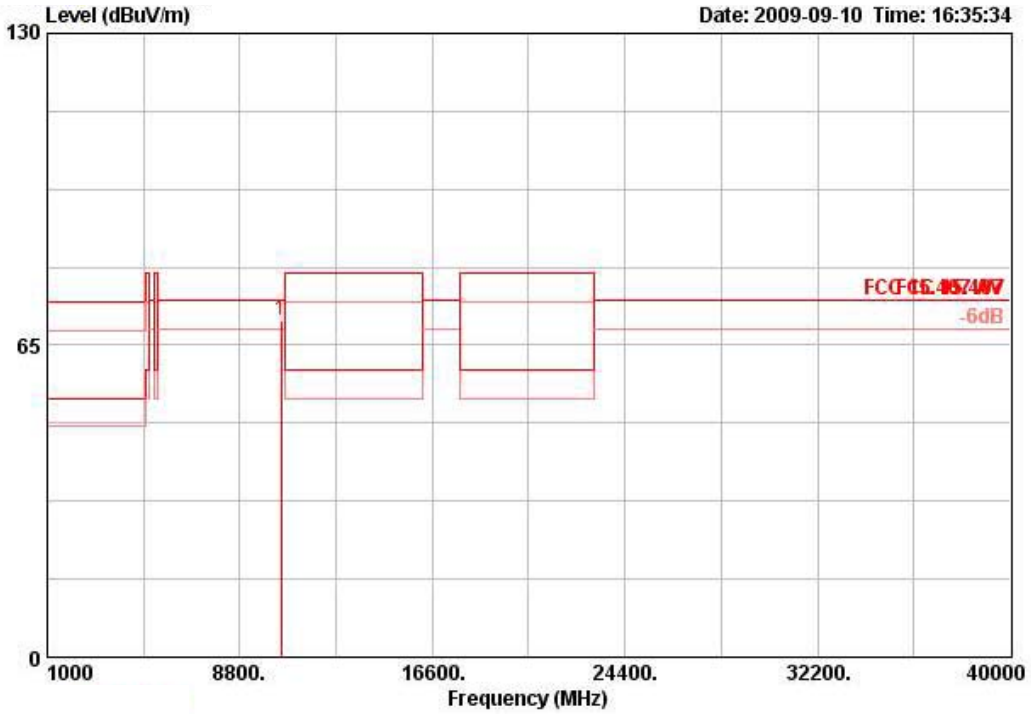
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	Draft n MCS8 40MHz Ch 46 / Ant. 1

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 @	10459.900	71.17	74.30	-3.13	61.77	6.55	35.54	38.39	292	109	PEAK	HORIZONTAL

Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 @	10459.900	70.15	74.30	-4.15	60.75	6.55	35.54	38.39	211	108	PEAK	VERTICAL

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB 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.

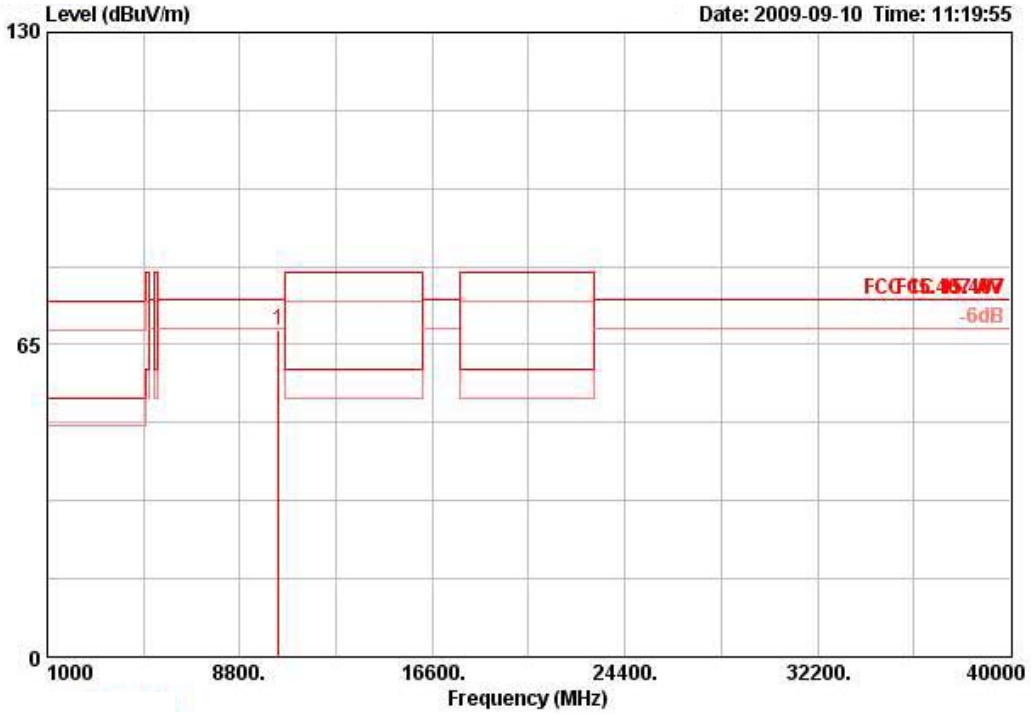
The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade form 3m to 1.5m.

Distance extrapolation factor = 20 log (specific distance [3m] / test distance [1.5m]) (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor [6 dB].

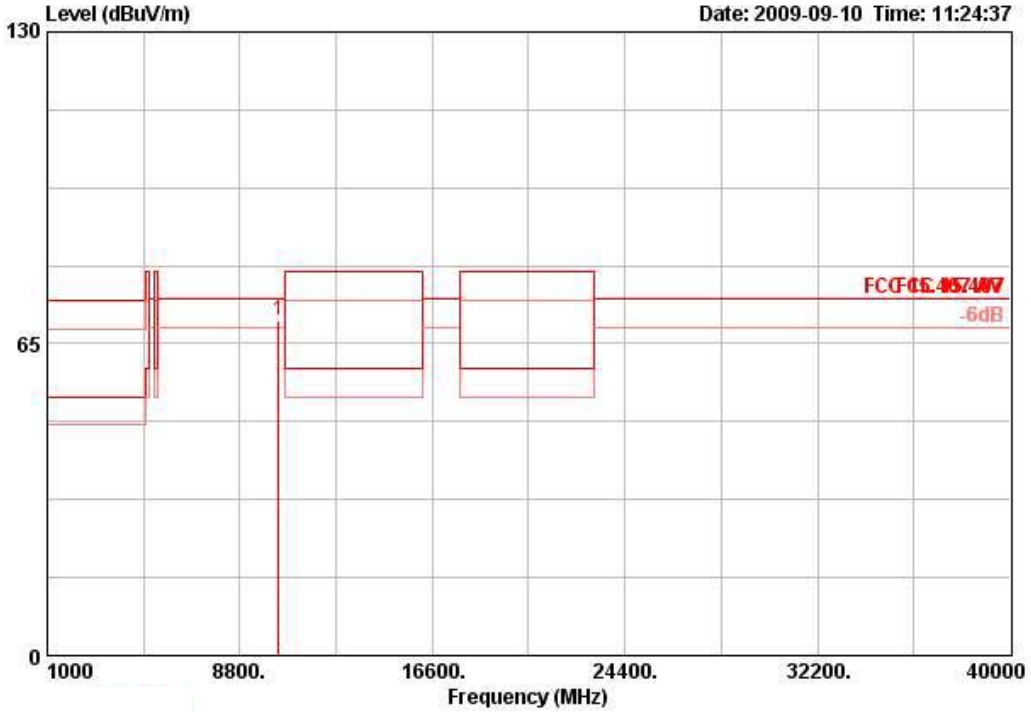
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	802.11a Ch 36 / Ant. 1

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 @	10363.720	67.91	74.30	-6.39	58.67	6.49	35.62	38.37	305	116	PEAK	HORIZONTAL

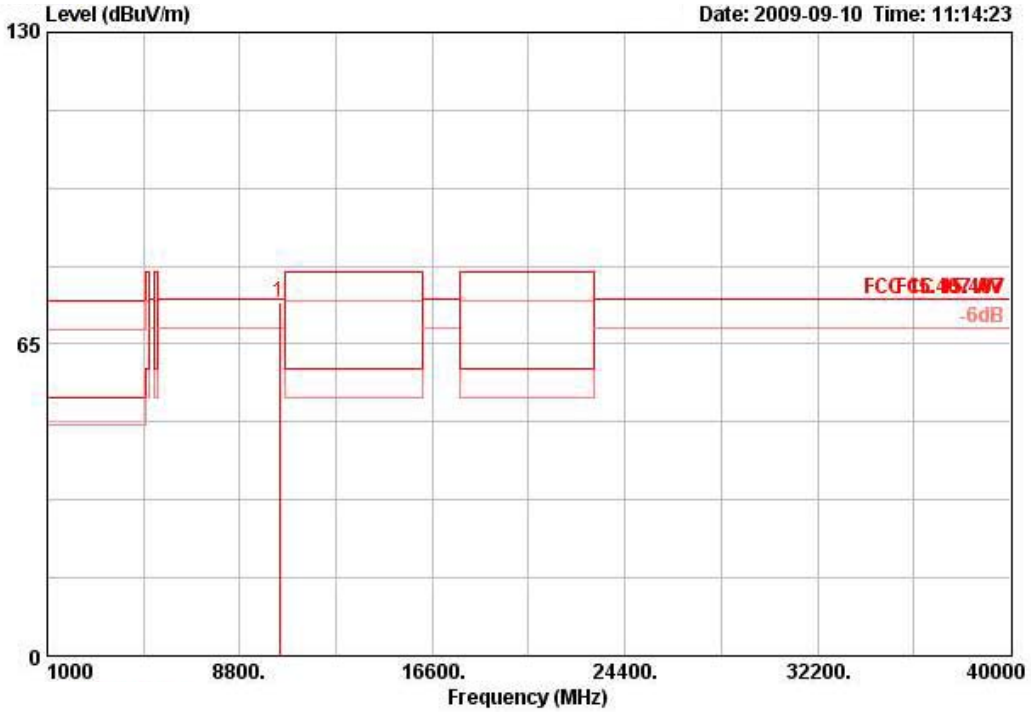
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 @	10358.720	69.95	74.30	-4.35	60.71	6.49	35.62	38.37	306	115	PEAK	VERTICAL

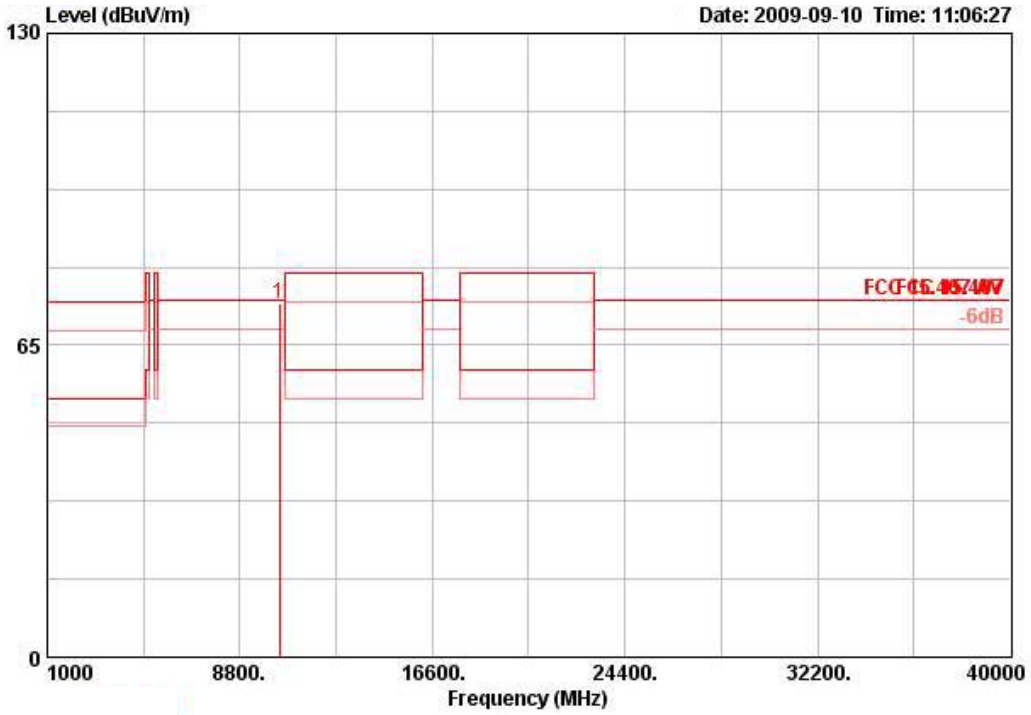
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	802.11a Ch 40 / Ant. 1

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 @	10403.520	73.68	74.30	-0.62	64.36	6.52	35.58	38.38	305	117	PEAK	HORIZONTAL

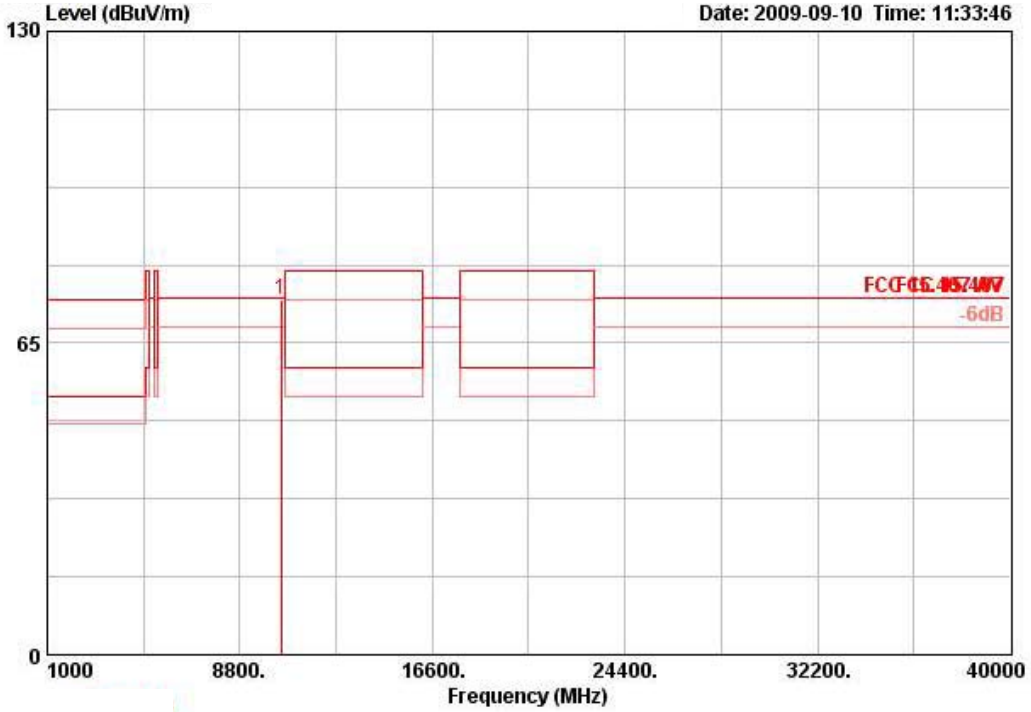
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 @	10406.800	73.75	74.30	-0.55	64.43	6.52	35.58	38.38	49	100	PEAK	VERTICAL

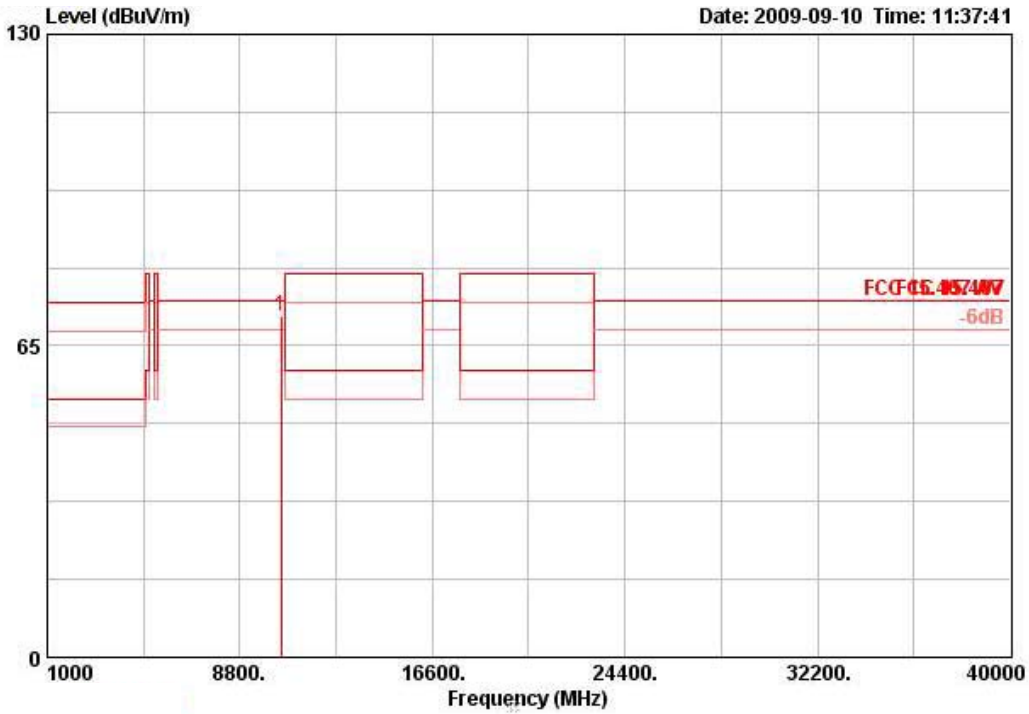
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	802.11a Ch 48 / Ant. 1

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 @	10478.480	74.13	74.30	-0.17	64.69	6.57	35.52	38.39	305	113	PEAK	HORIZONTAL

Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 @	10481.680	71.11	74.30	-3.19	61.67	6.57	35.52	38.40	211	104	PEAK	VERTICAL

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB 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.

The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade form 3m to 1.5m.

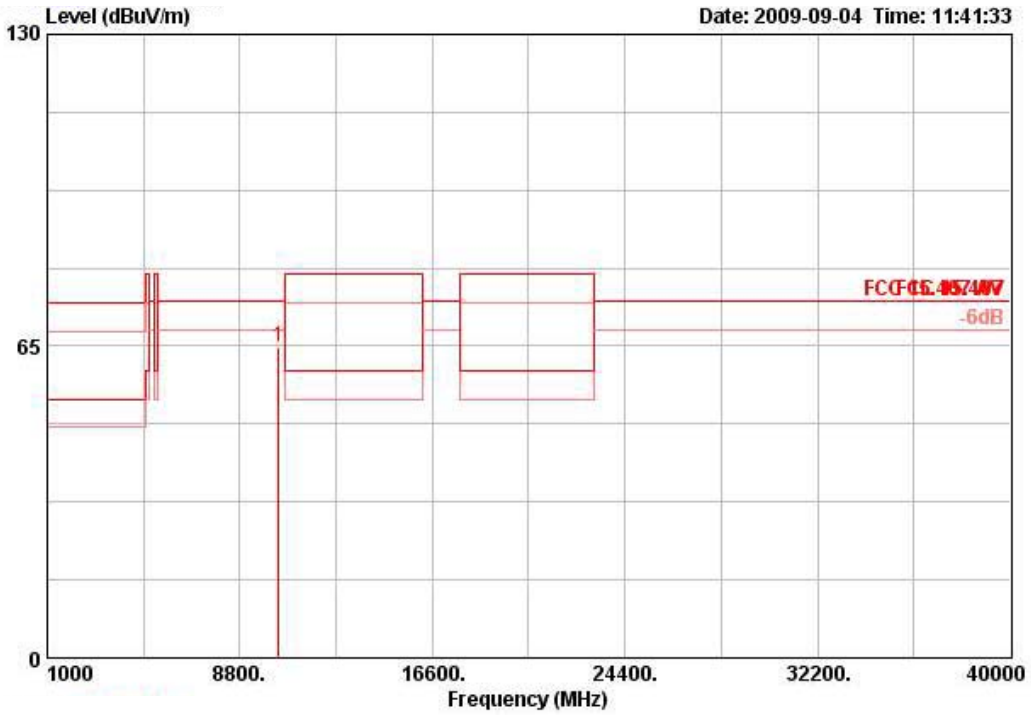
Distance extrapolation factor = 20 log (specific distance [3m] / test distance [1.5m]) (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor [6 dB].

<For Antenna 2>:

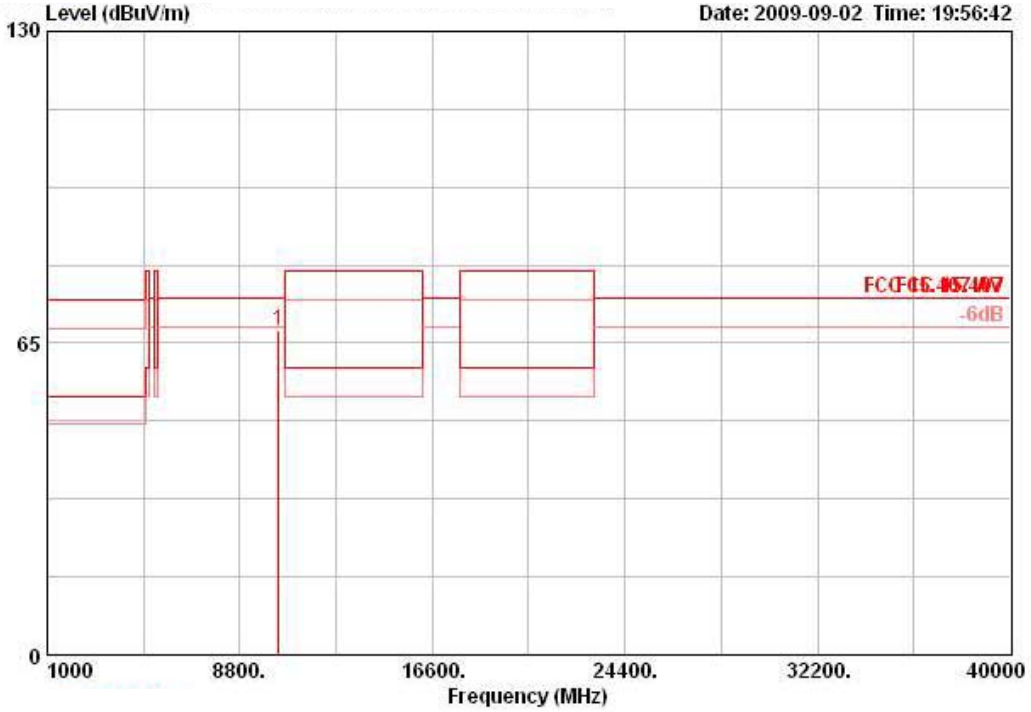
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	Draft n MCS8 20MHz Ch 36 / Ant. 2

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 @	10360.320	64.85	74.30	-9.45	55.59	6.49	35.60	38.37	154	116	PEAK	HORIZONTAL

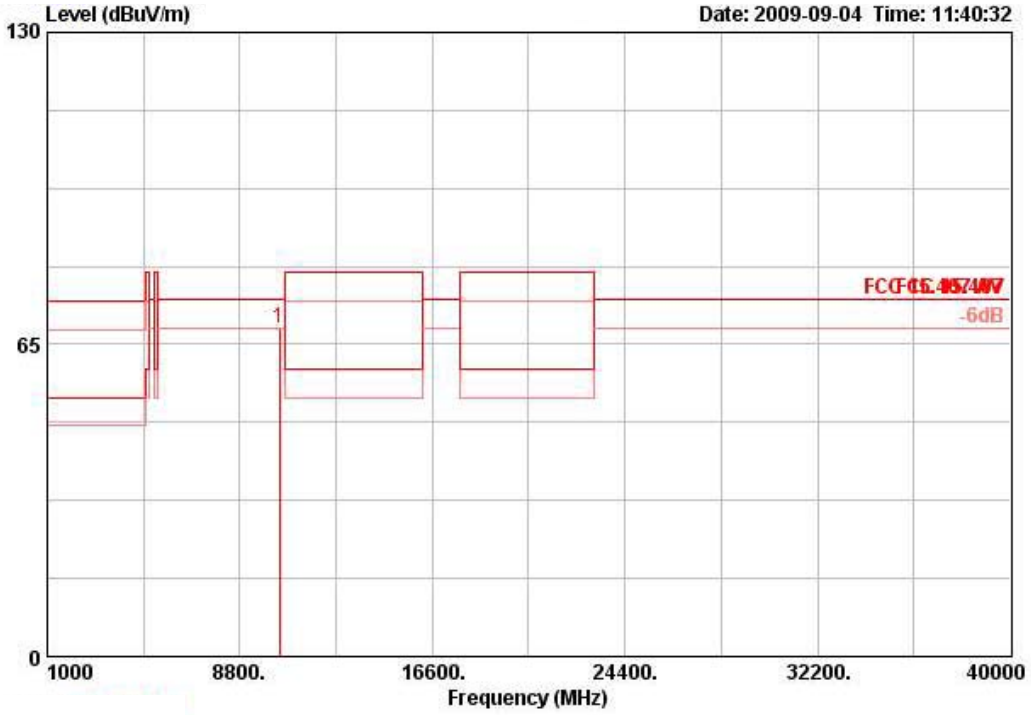
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	10359.920	67.83	74.30	-6.47	58.59	6.49	35.62	38.37	241	100	PEAK	VERTICAL

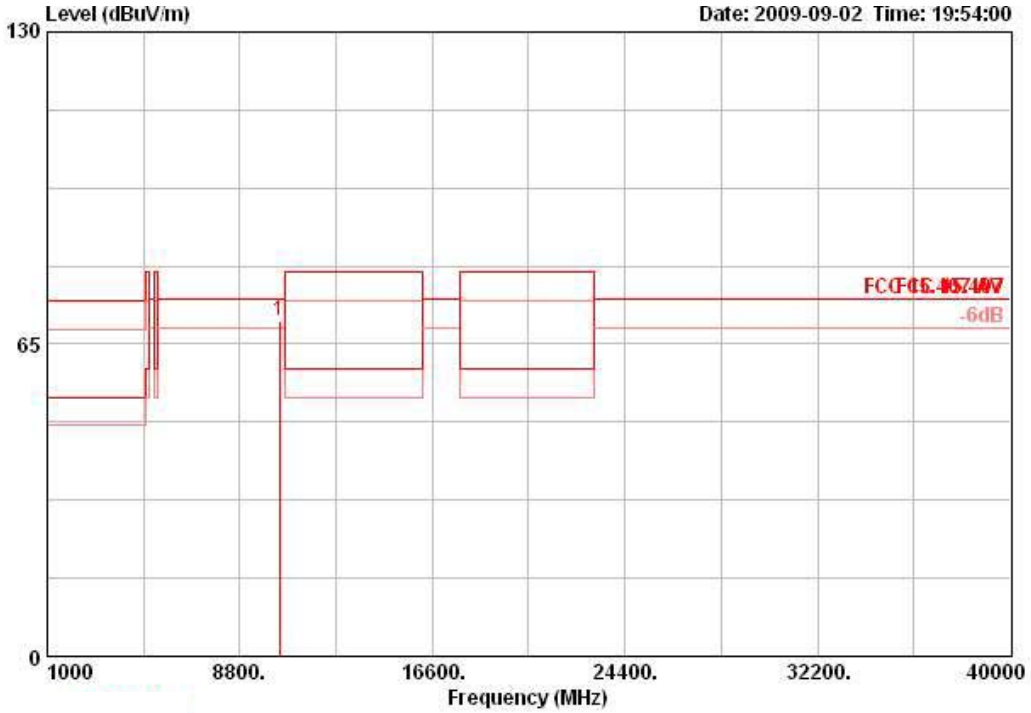
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	Draft n MCS8 20MHz Ch 40 / Ant. 2

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 @	10399.960	68.20	74.30	-6.10	58.88	6.52	35.58	38.38	159	128	PEAK	HORIZONTAL

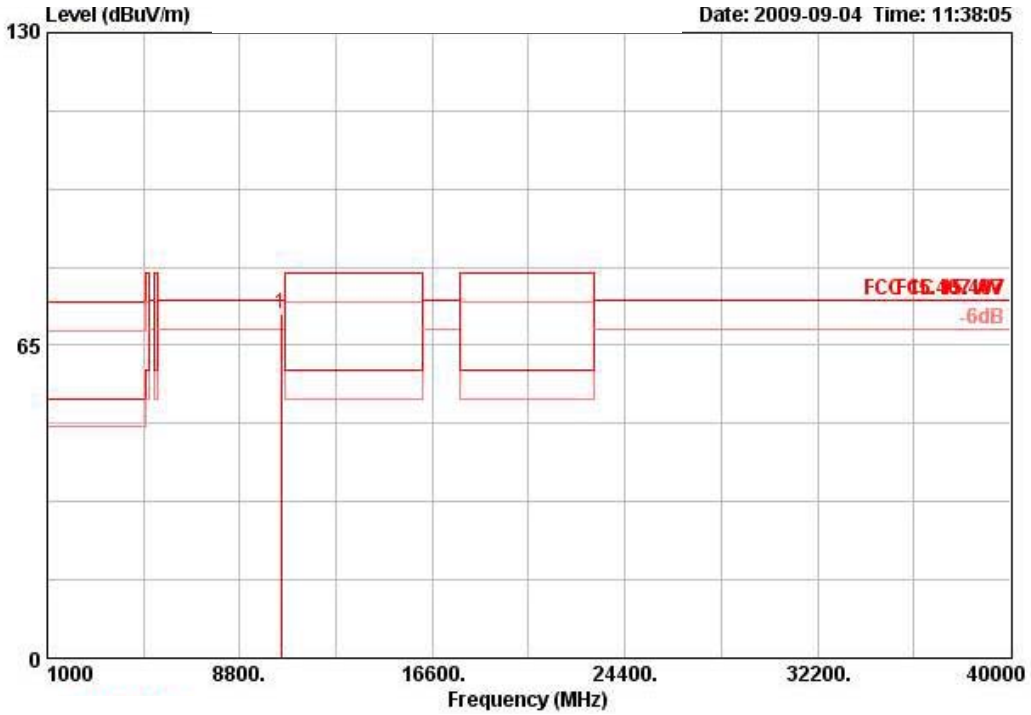
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	10399.840	69.89	74.30	-4.41	60.57	6.52	35.58	38.38	318	106	PEAK	VERTICAL

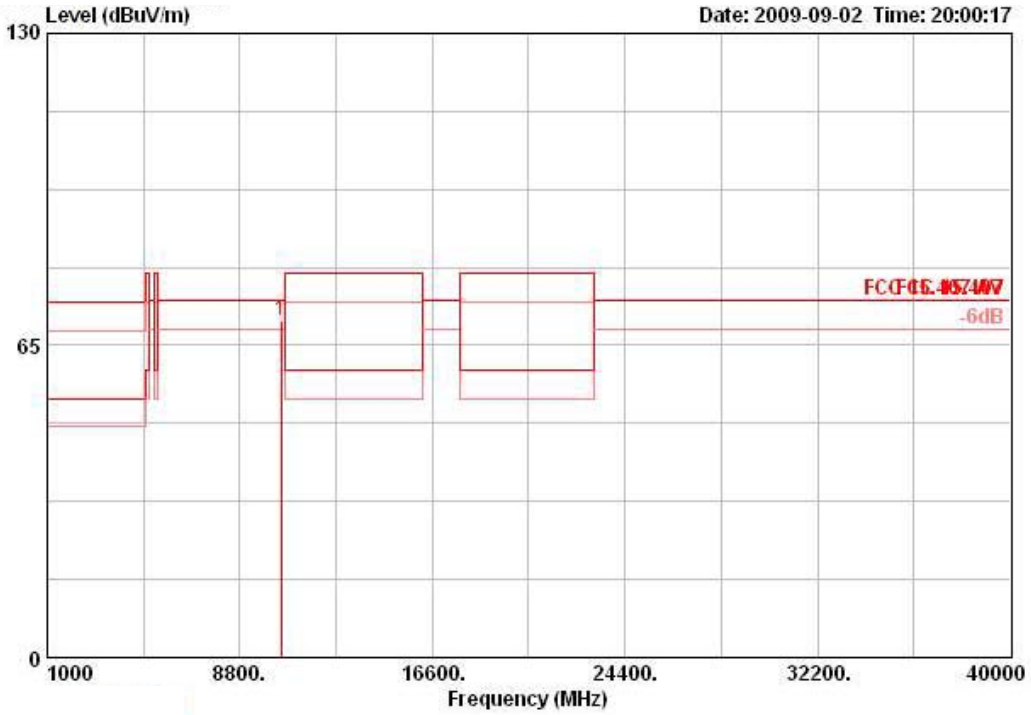
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	Draft n MCS8 20MHz Ch 48 / Ant. 2

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 @	10480.000	71.45	74.30	-2.85	62.02	6.57	35.52	38.39	152	124	PEAK	HORIZONTAL

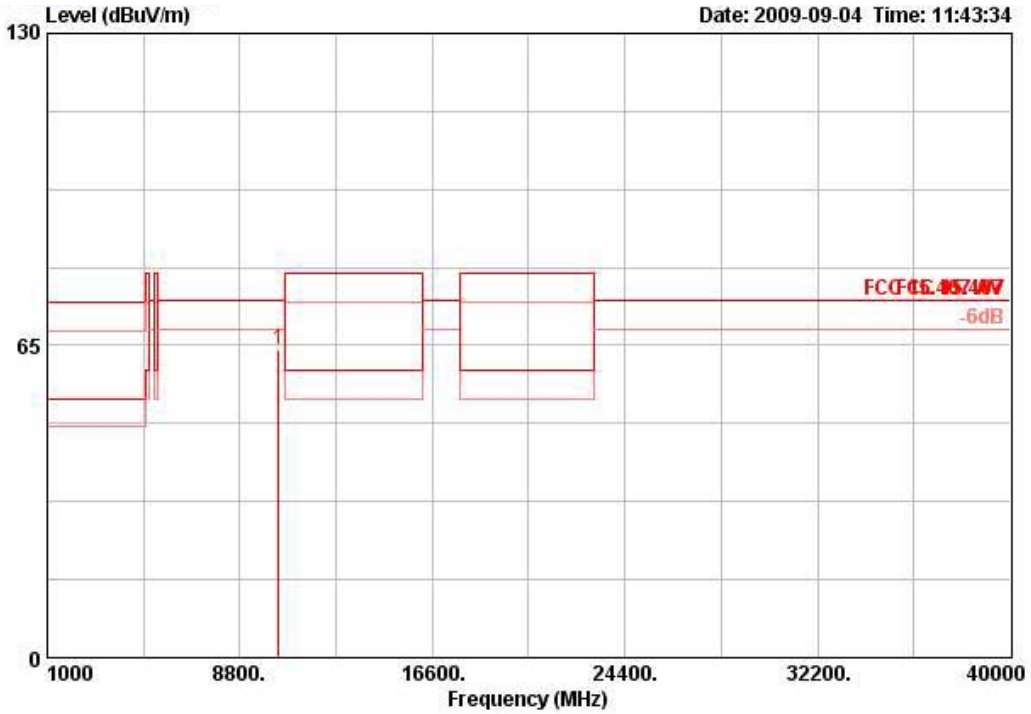
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	10481.120	70.22	74.30	-4.08	60.78	6.57	35.52	38.40	244	100	PEAK	VERTICAL

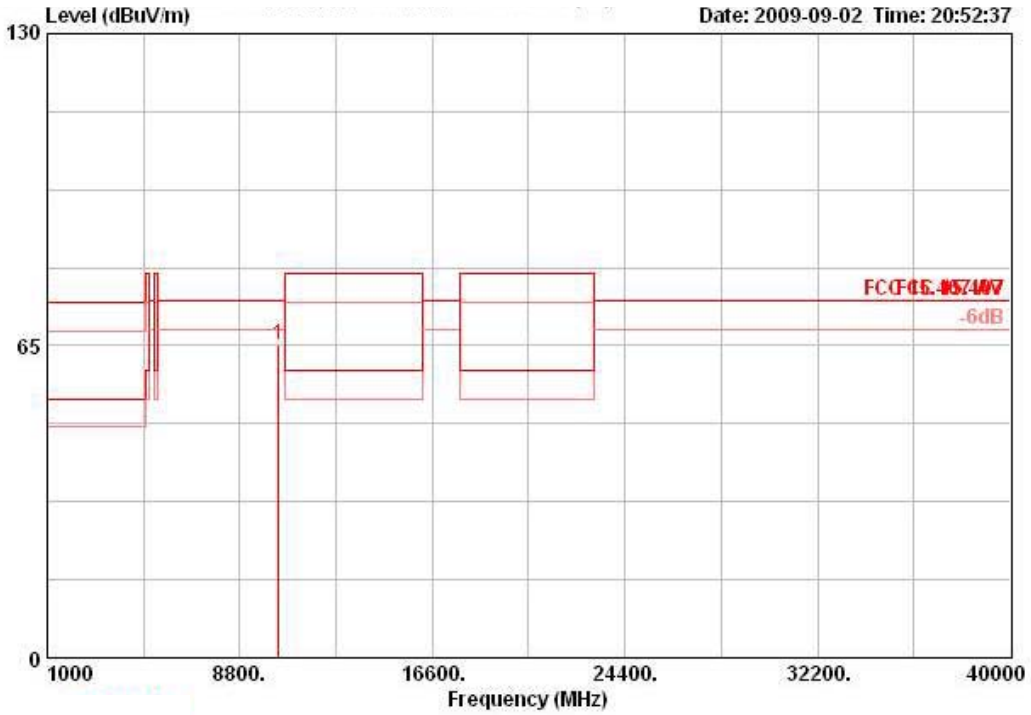
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	Draft n MCS8 40MHz Ch 38 / Ant. 2

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	10380.320	64.14	74.30	-10.16	54.86	6.51	35.60	38.38	154	116	PEAK	HORIZONTAL

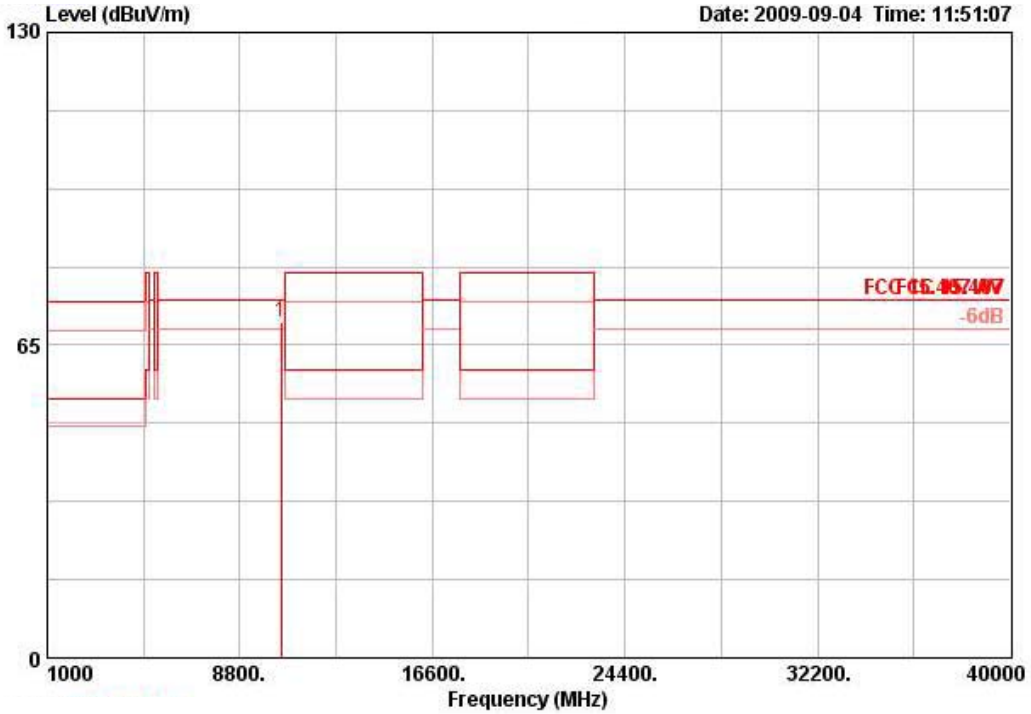
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	10380.000	65.29	74.30	-9.01	56.01	6.51	35.60	38.38	242	100	PEAK	VERTICAL

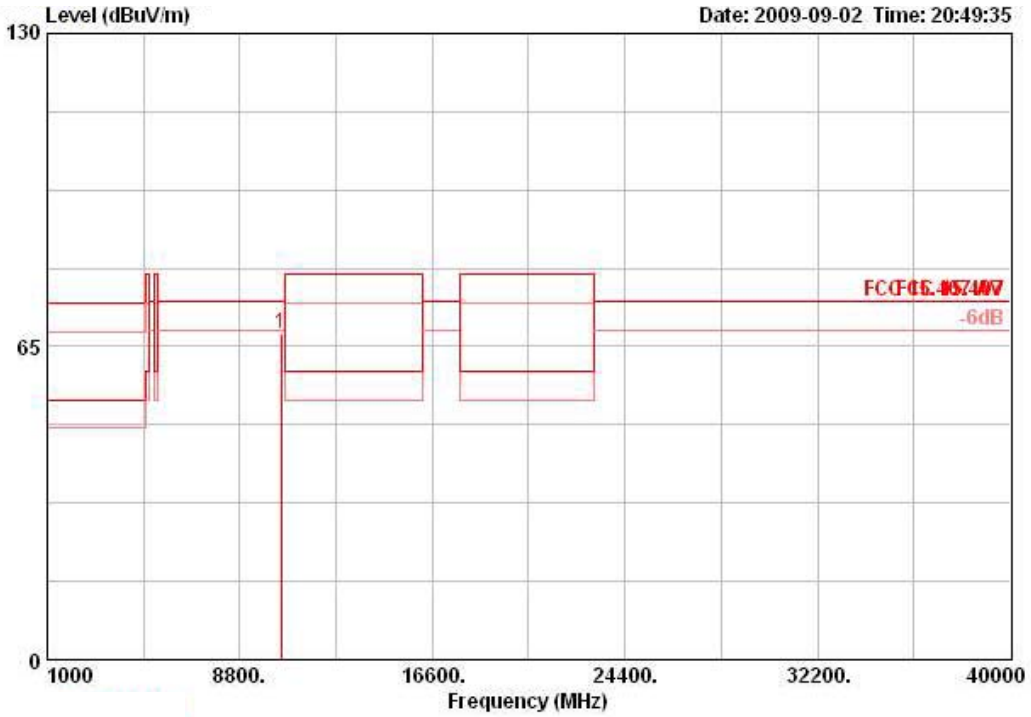
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	Draft n MCS8 40MHz Ch 46 / Ant. 2

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 @	10460.000	69.70	74.30	-4.60	60.30	6.55	35.54	38.39	152	126	PEAK	HORIZONTAL

Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	10459.980	67.66	74.30	-6.64	58.25	6.55	35.54	38.39	208	103	PEAK	VERTICAL

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB 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.

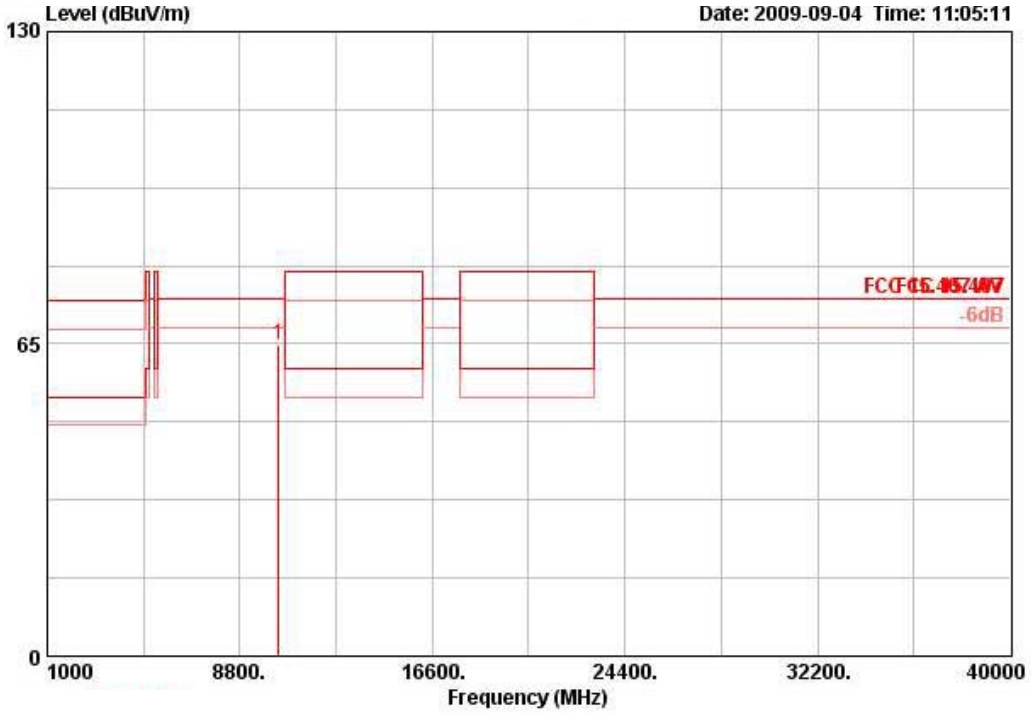
The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade form 3m to 1.5m.

Distance extrapolation factor = 20 log (specific distance [3m] / test distance [1.5m]) (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor [6 dB].

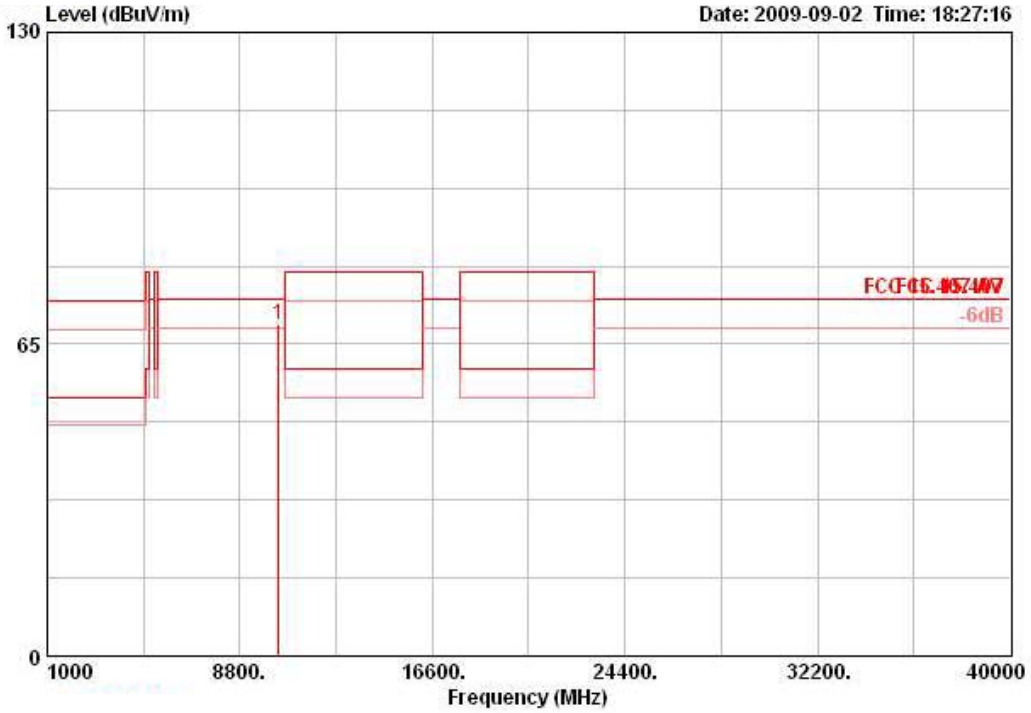
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	802.11a Ch 36 / Ant. 2

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 @	10355.640	64.76	74.30	-9.54	55.52	6.49	35.62	38.37	200	108	PEAK	HORIZONTAL

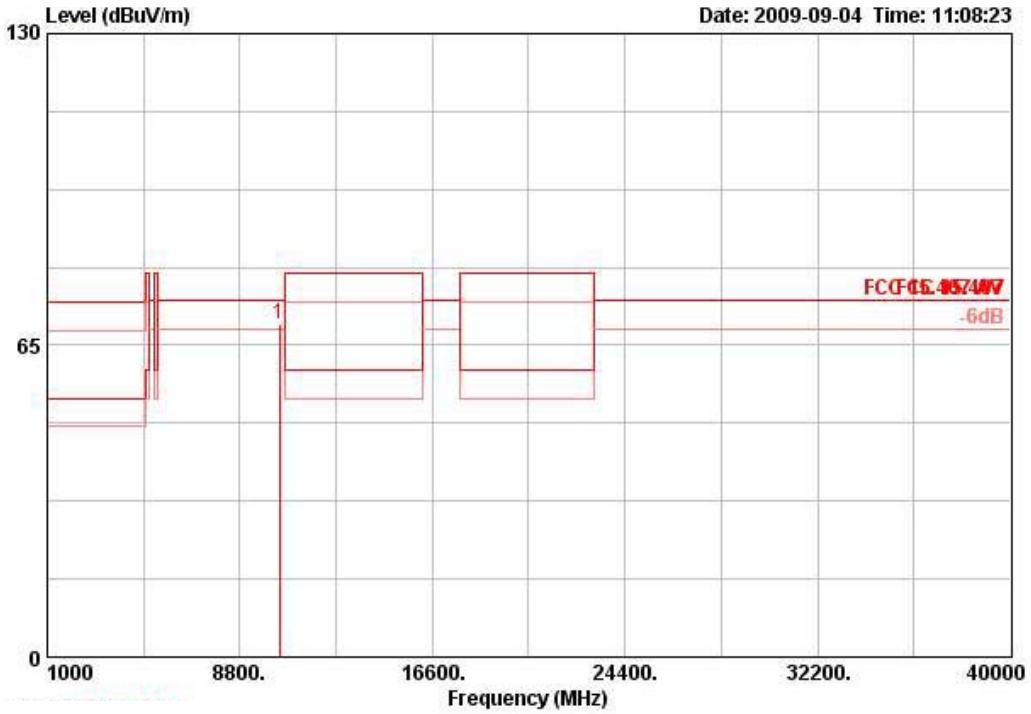
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	10362.720	69.12	74.30	-5.18	59.88	6.49	35.62	38.37	312	102	PEAK	VERTICAL

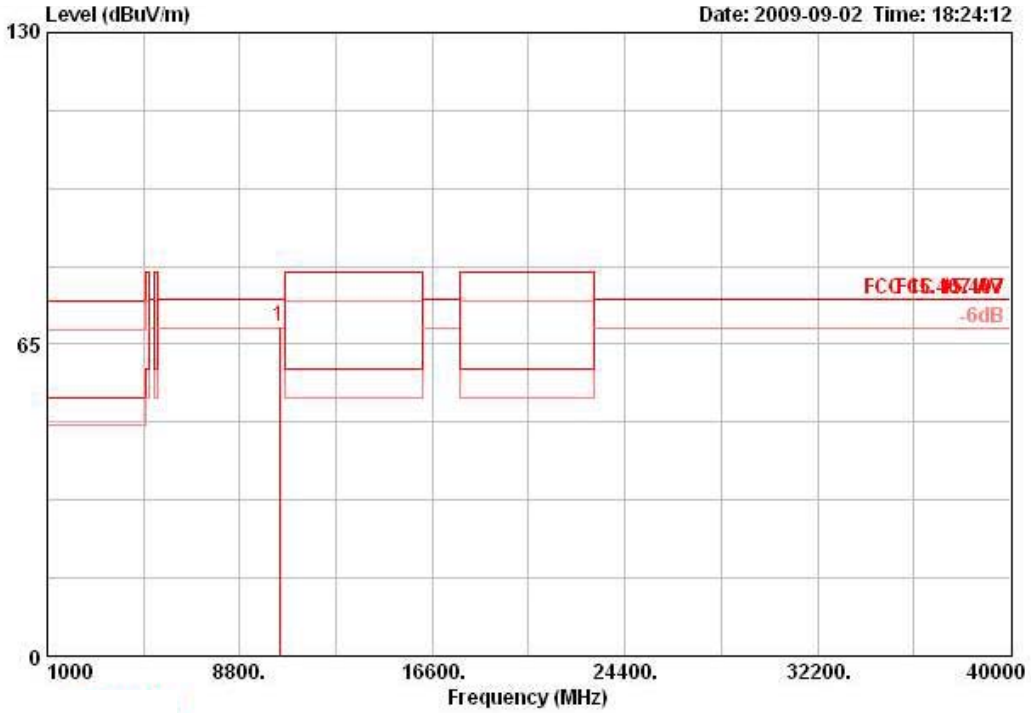
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	802.11a Ch 40 / Ant. 2

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 @	10398.560	69.59	74.30	-4.71	60.27	6.52	35.58	38.38	153	114	PEAK	HORIZONTAL

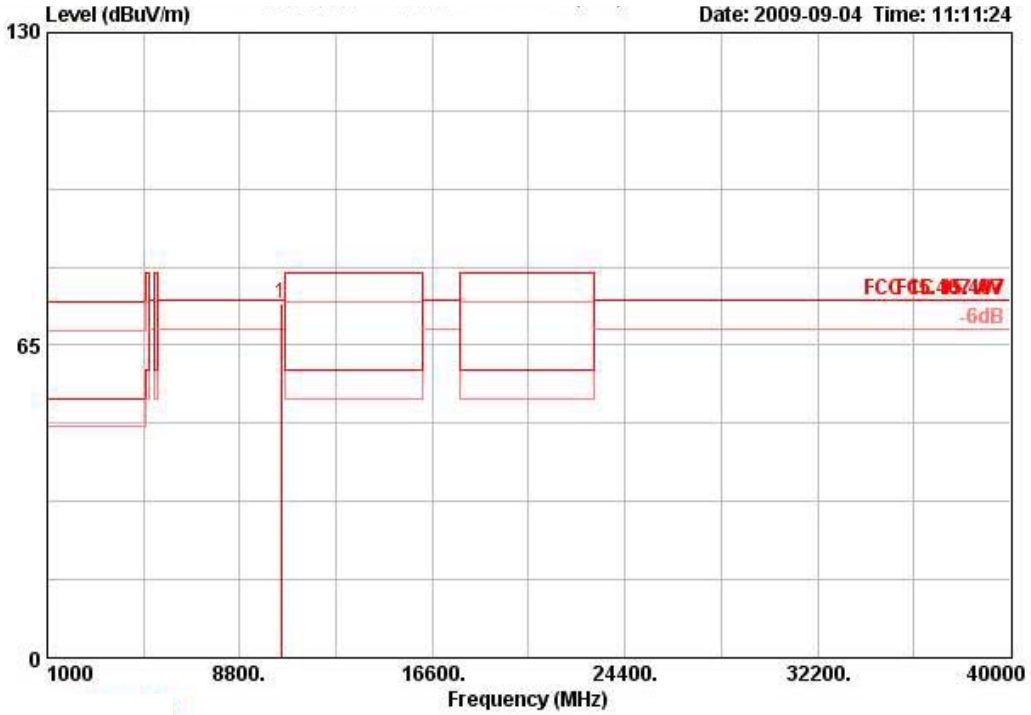
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	10401.340	68.72	74.30	-5.58	59.40	6.52	35.58	38.38	316	105	PEAK	VERTICAL

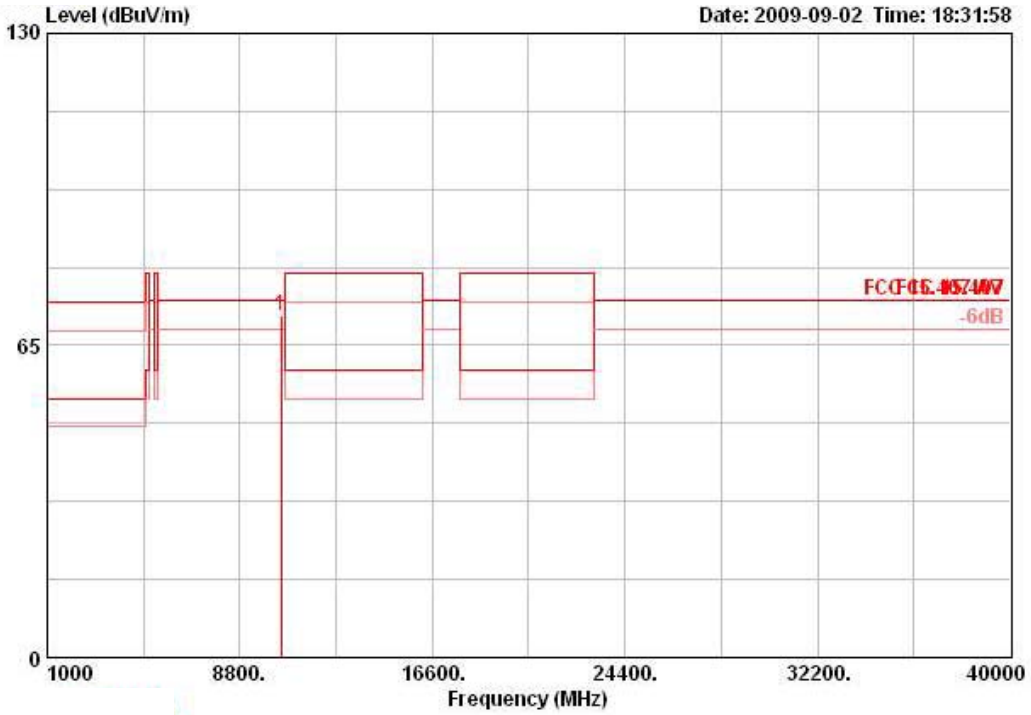
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	802.11a Ch 48 / Ant. 2

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 @	10482.600	73.60	74.30	-0.70	64.17	6.57	35.52	38.39	152	124	PEAK	HORIZONTAL

Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	10481.760	71.21	74.30	-3.09	61.77	6.57	35.52	38.40	312	100	Peak	VERTICAL

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB 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.

The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade form 3m to 1.5m.

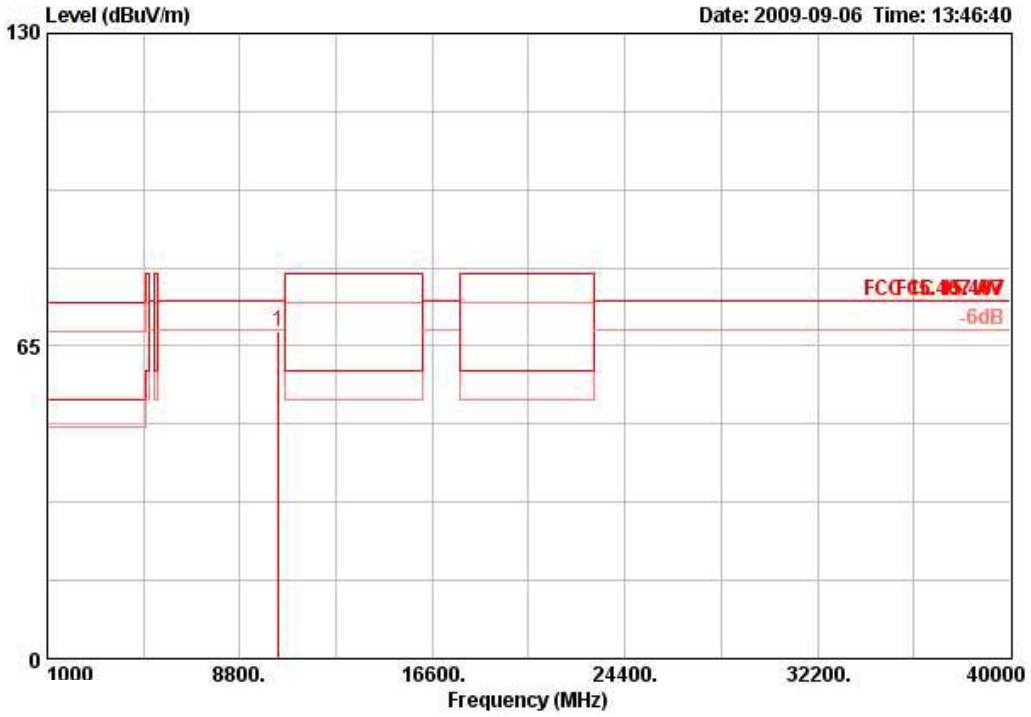
Distance extrapolation factor = 20 log (specific distance [3m] / test distance [1.5m]) (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor [6 dB].

<For Antenna 3>:

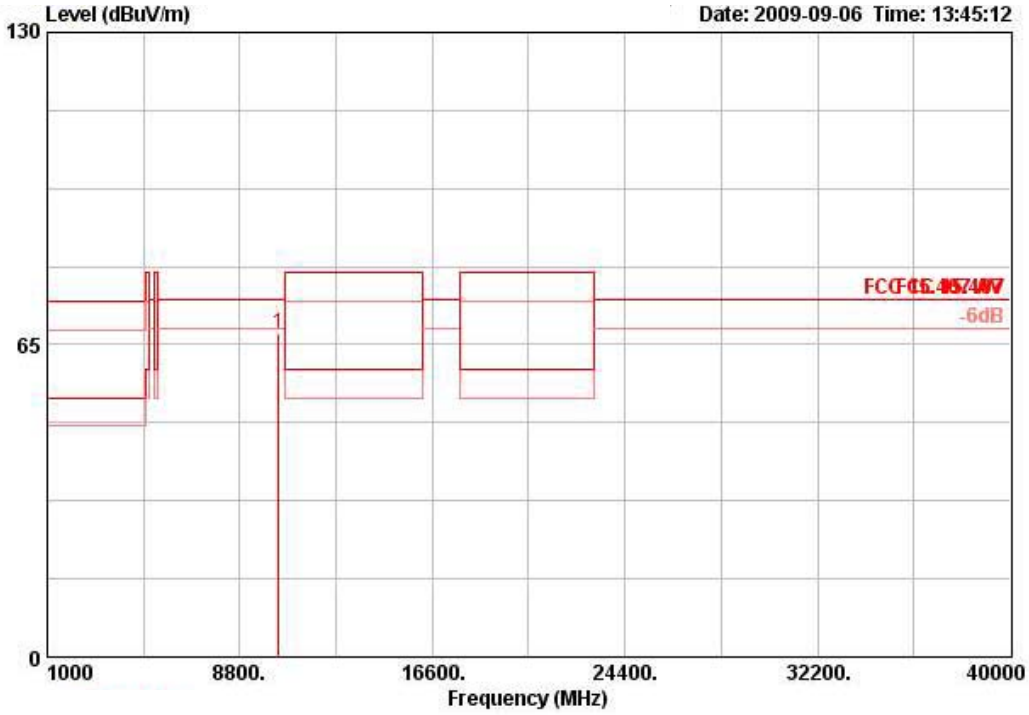
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	Draft n MCS8 20MHz Ch 36 / Ant. 3

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	10360.100	68.13	74.30	-6.17	58.89	6.49	35.62	38.37	67	100	PEAK	HORIZONTAL

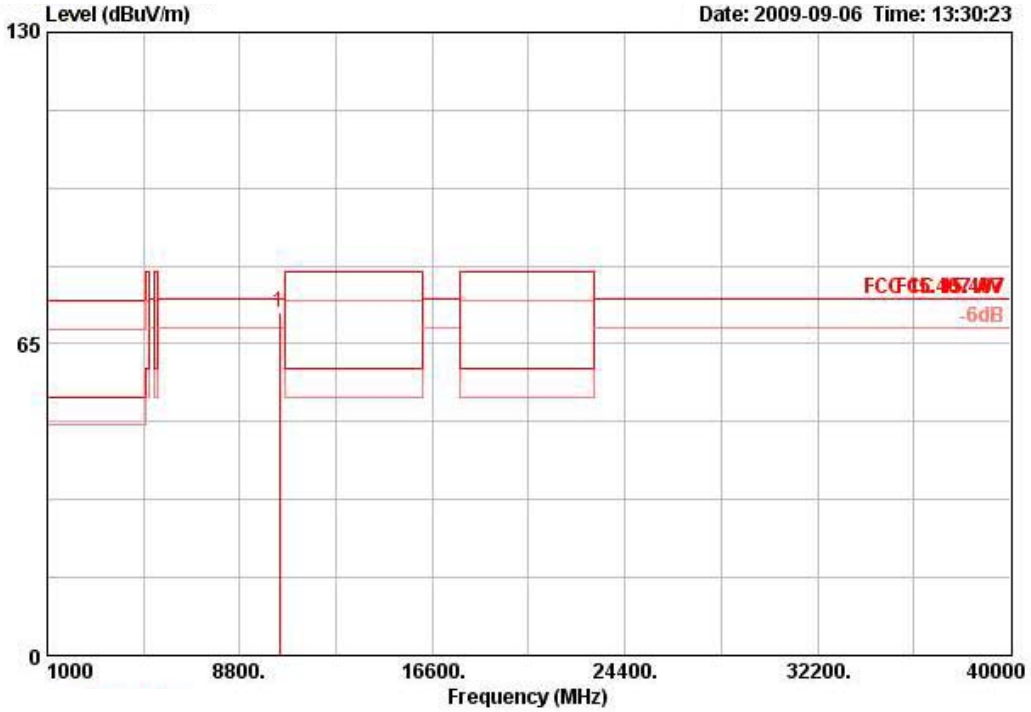
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	10360.000	67.22	74.30	-7.08	57.98	6.49	35.62	38.37	88	100	PEAK	VERTICAL

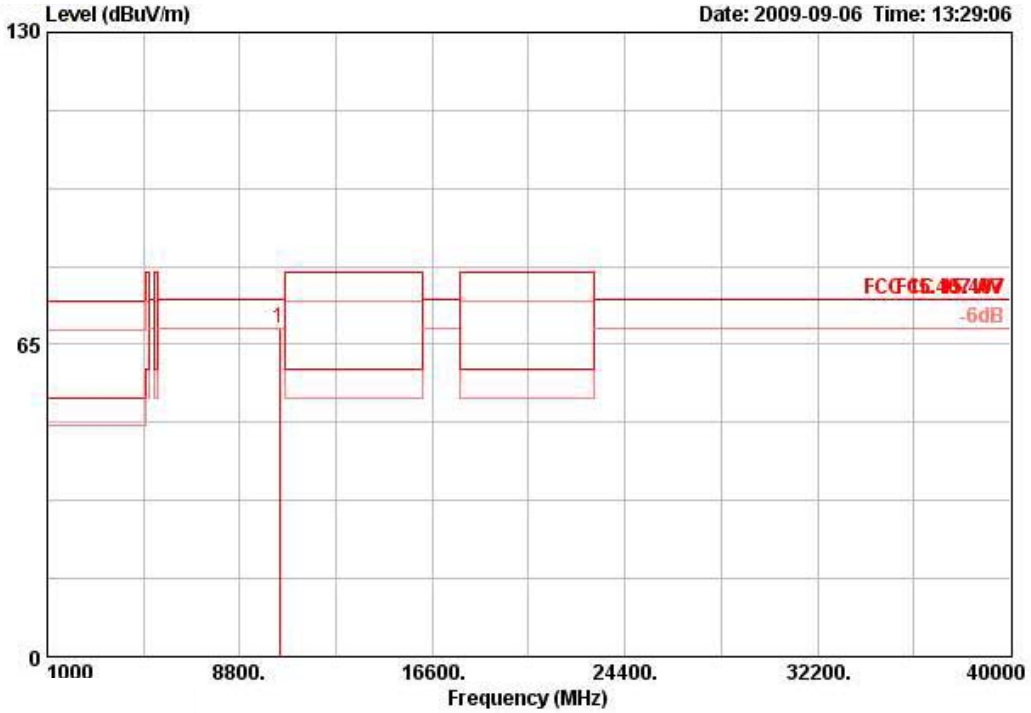
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	Draft n MCS8 20MHz Ch 40 / Ant. 3

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	10400.000	71.71	74.30	-2.59	62.39	6.52	35.58	38.38	299	125	PEAK	HORIZONTAL

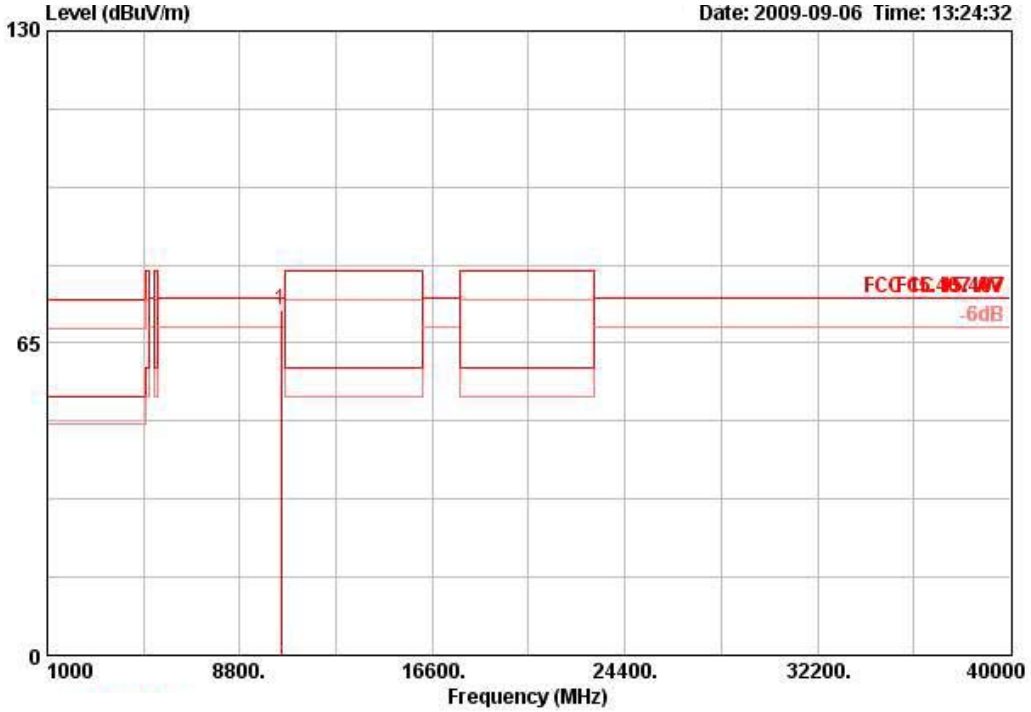
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	10400.000	68.27	74.30	-6.03	58.95	6.52	35.58	38.38	85	101	PEAK	VERTICAL

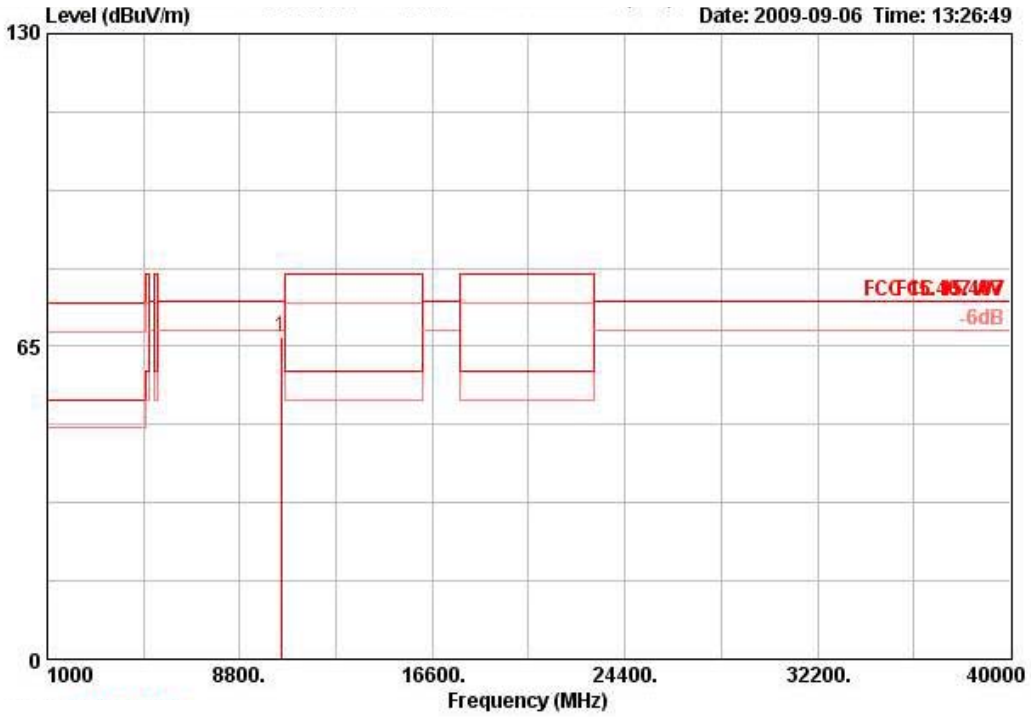
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	Draft n MCS8 20MHz Ch 48 / Ant. 3

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	10480.000	72.00	74.30	-2.30	62.57	6.57	35.52	38.39	297	100	PEAK	HORIZONTAL

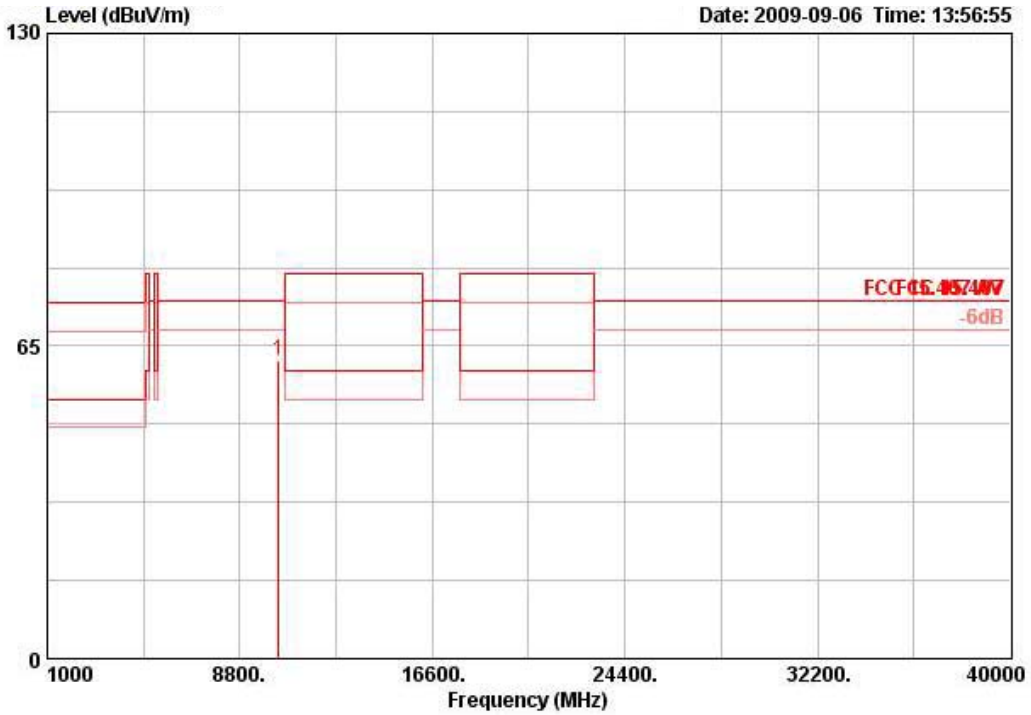
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	10480.000	66.97	74.30	-7.33	57.53	6.57	35.52	38.40	86	99	PEAK	VERTICAL

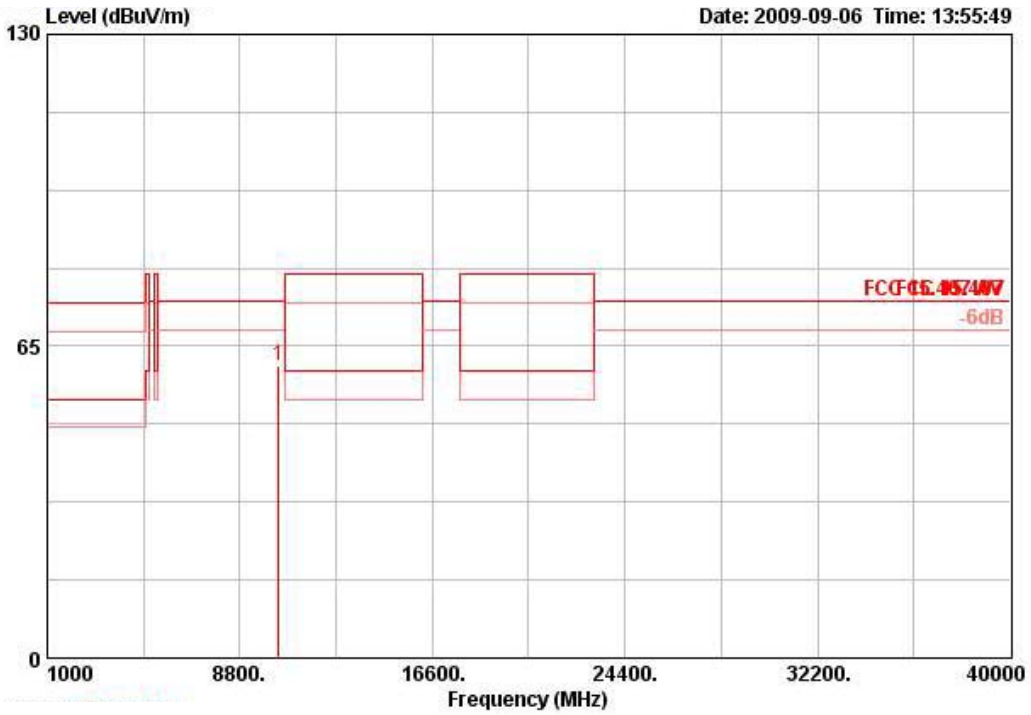
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	Draft n MCS8 40MHz Ch 38 / Ant. 3

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	10380.200	61.92	74.30	-12.38	52.64	6.51	35.60	38.38	300	127	PEAK	HORIZONTAL

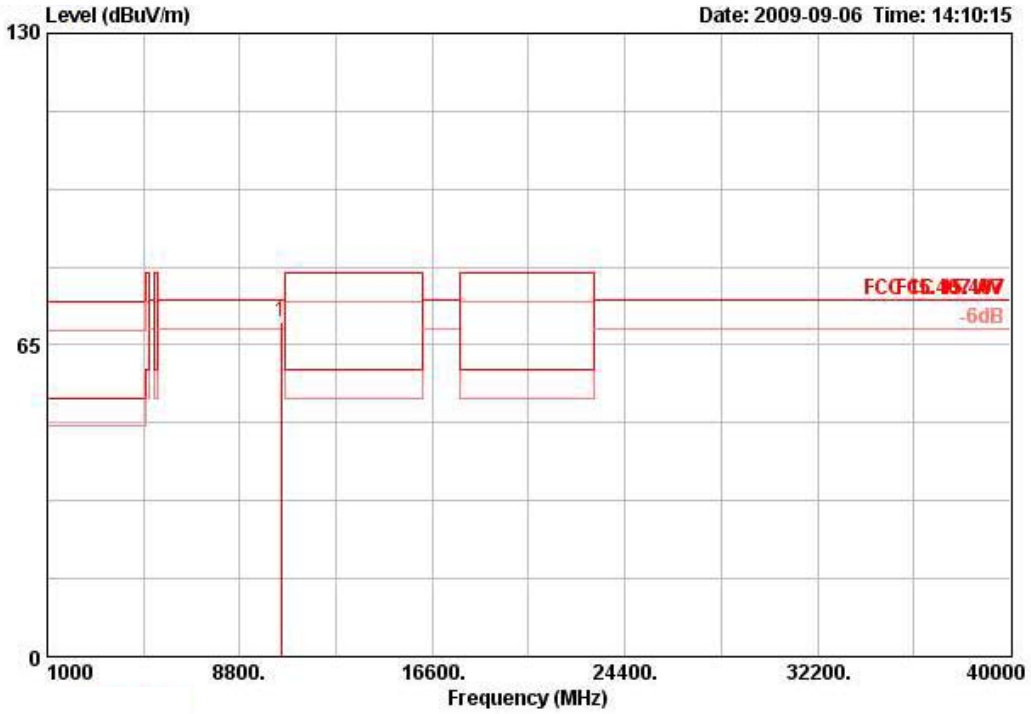
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	10380.100	61.04	74.30	-13.26	51.76	6.51	35.60	38.38	94	117	PEAK	VERTICAL

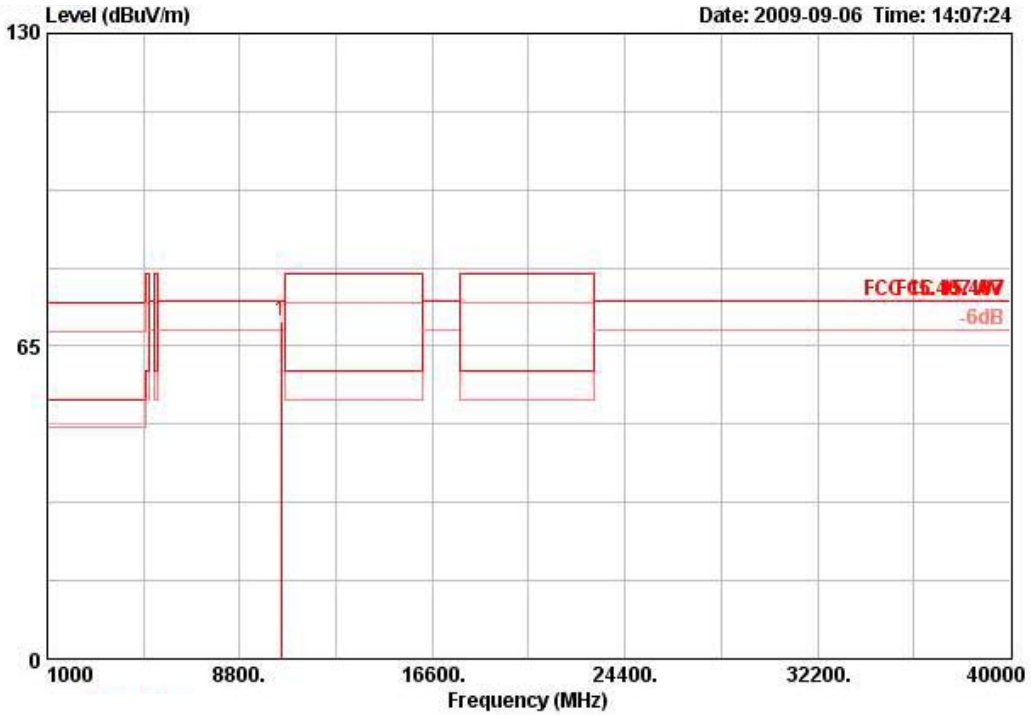
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	Draft n MCS8 40MHz Ch 46 / Ant. 3

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	10460.200	69.75	74.30	-4.55	60.35	6.55	35.54	38.39	298	125	PEAK	HORIZONTAL

Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	10460.200	70.10	74.30	-4.20	60.70	6.55	35.54	38.39	89	100	PEAK	VERTICAL

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB 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.

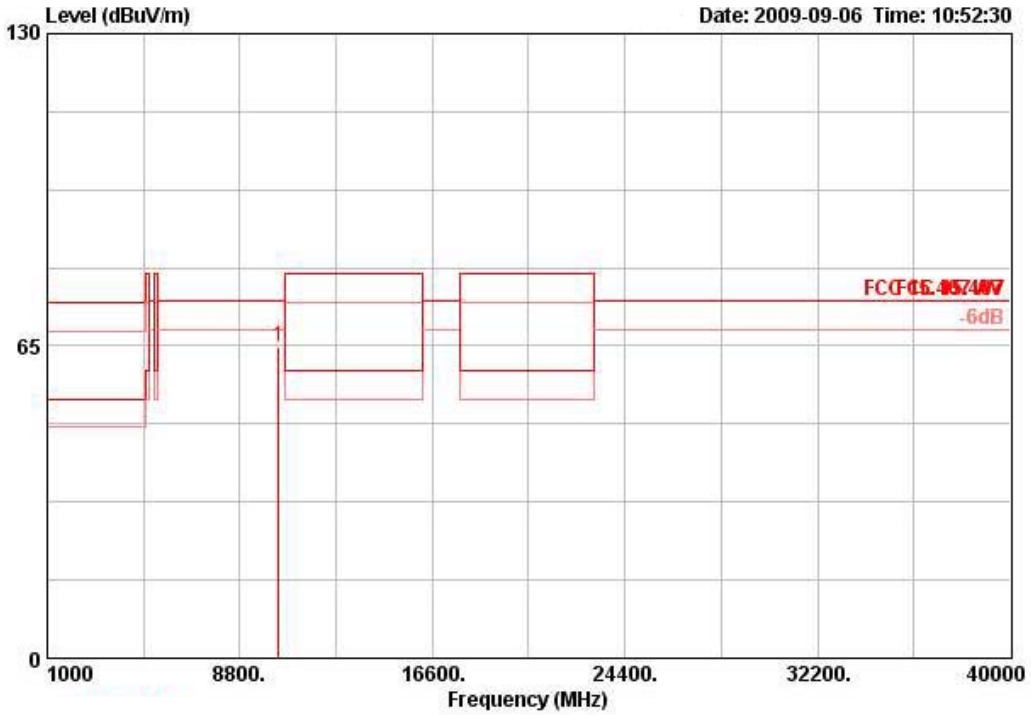
The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade form 3m to 1.5m.

Distance extrapolation factor = 20 log (specific distance [3m] / test distance [1.5m]) (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor [6 dB].

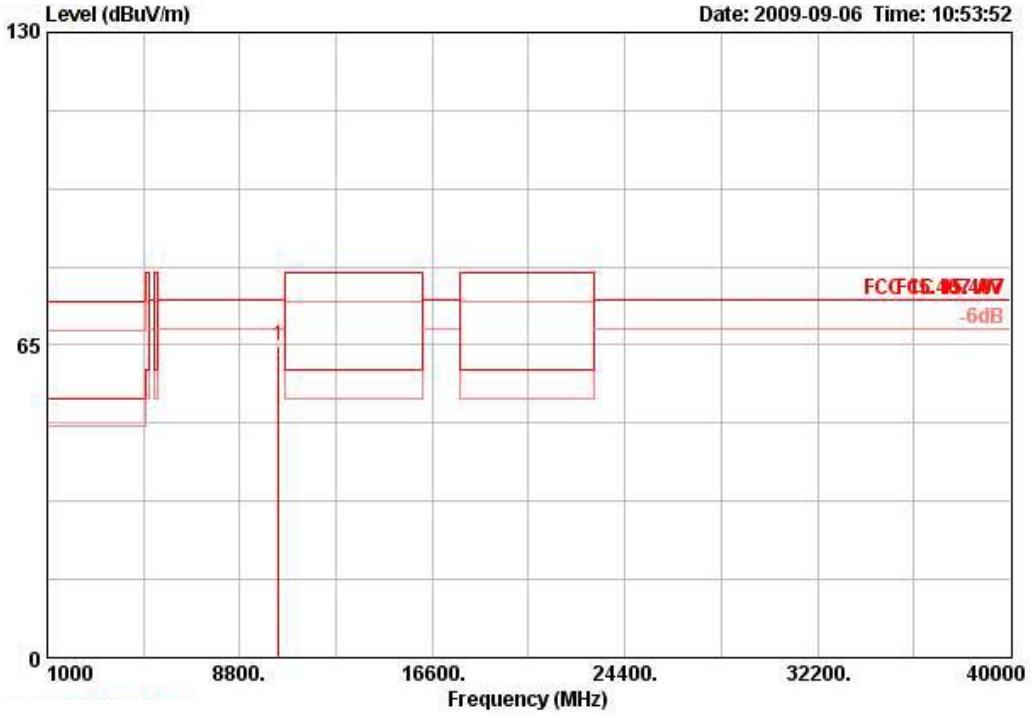
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	802.11a Ch 36 / Ant. 3

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	10367.700	64.88	74.30	-9.42	55.64	6.49	35.62	38.37	300	110	PEAK	HORIZONTAL

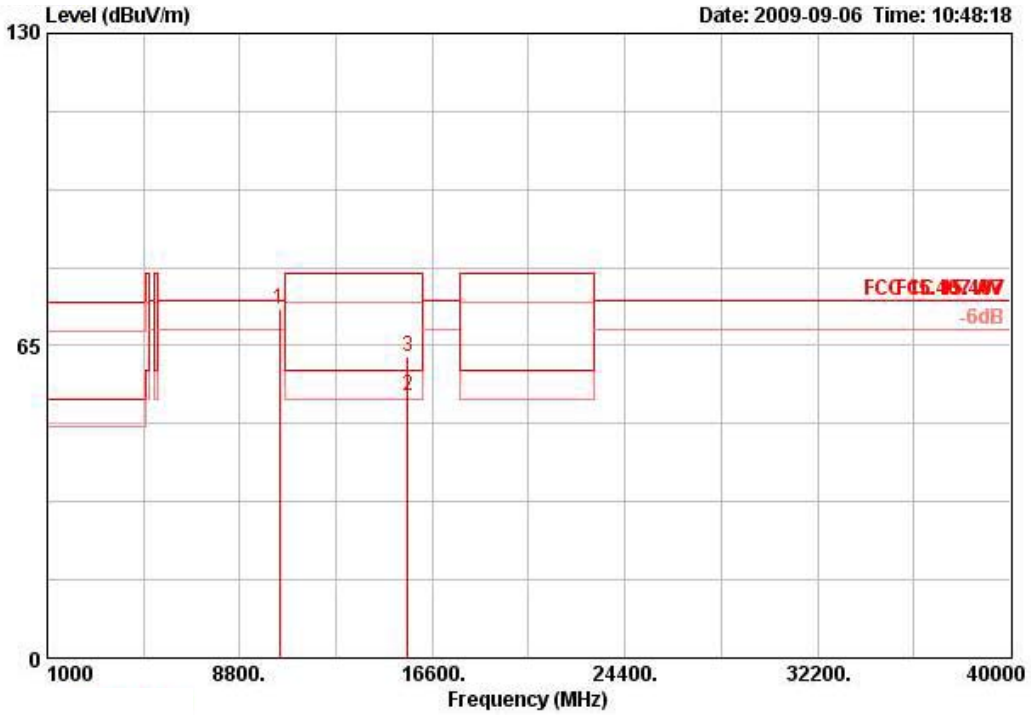
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	10358.700	64.69	74.30	-9.61	55.44	6.49	35.62	38.37	295	111	PEAK	VERTICAL

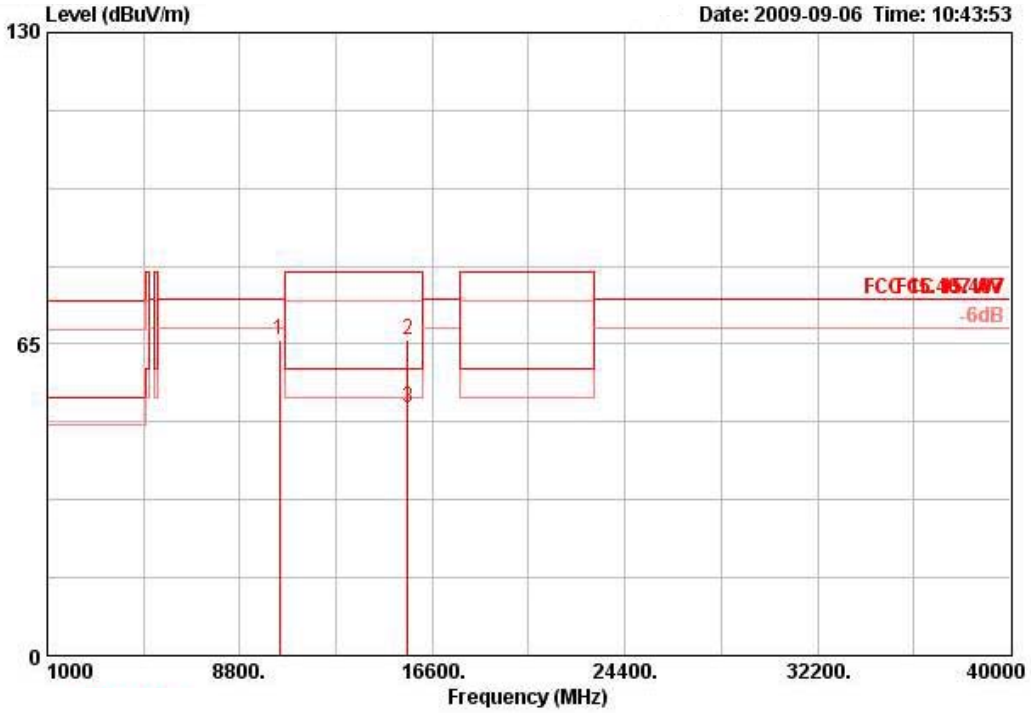
Temperature	26.8℃	Humidity	56%
Test Engineer	Beck Wu	Configurations	802.11a Ch 40 / Ant. 3

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	10403.000	72.62	74.30	-1.68	63.30	6.52	35.58	38.38	302	122	PEAK	HORIZONTAL
2 !	15597.200	54.38	60.00	-5.62	44.13	7.99	35.34	37.60	320	122	AVERAGE	HORIZONTAL
3	15601.600	62.75	80.00	-17.25	52.50	7.99	35.34	37.60	320	122	PEAK	HORIZONTAL

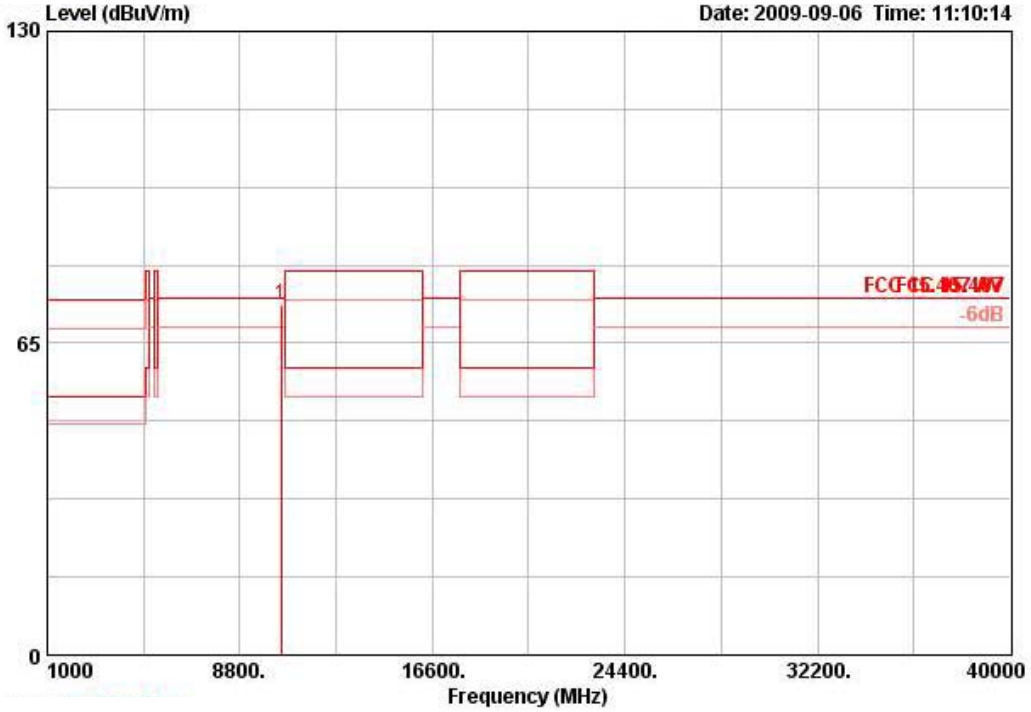
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	10403.300	66.01	74.30	-8.29	56.69	6.52	35.58	38.38	281	100	PEAK	VERTICAL
2	15591.200	65.71	80.00	-14.29	55.47	7.99	35.34	37.60	292	102	PEAK	VERTICAL
3	15596.400	51.82	60.00	-8.18	41.58	7.99	35.34	37.60	292	102	AVERAGE	VERTICAL

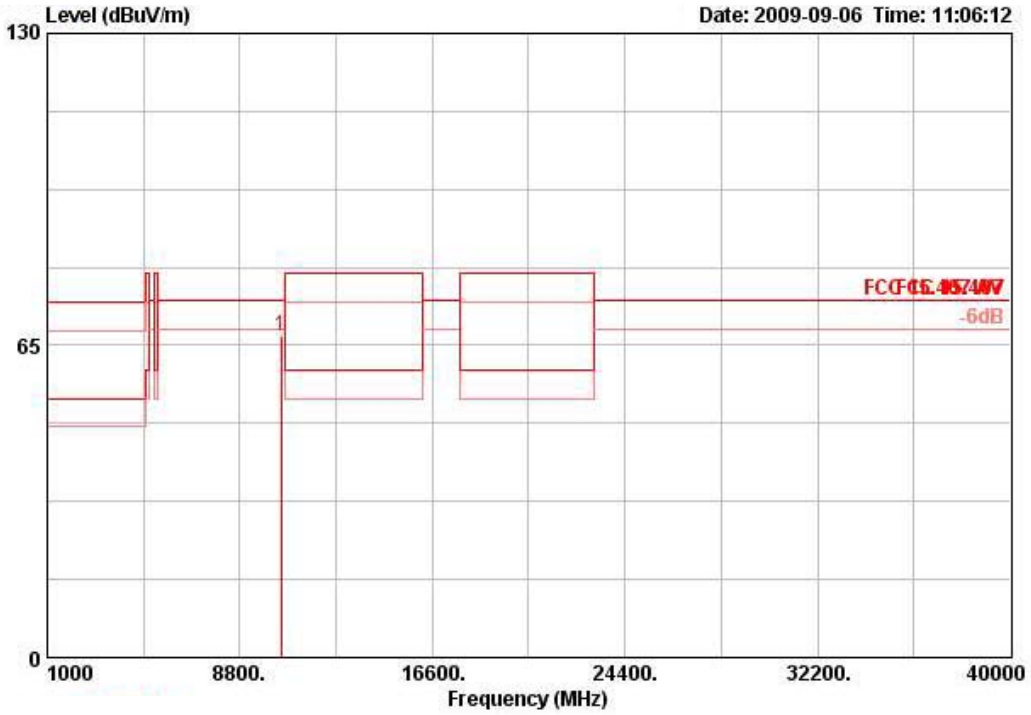
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	802.11a Ch 48 / Ant. 3

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	10481.600	73.00	74.30	-1.30	63.56	6.57	35.52	38.39	297	109	AVERAGE	HORIZONTAL

Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	10480.400	66.98	74.30	-7.32	57.53	6.57	35.52	38.40	308	100	PEAK	VERTICAL

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB 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.

The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade form 3m to 1.5m.

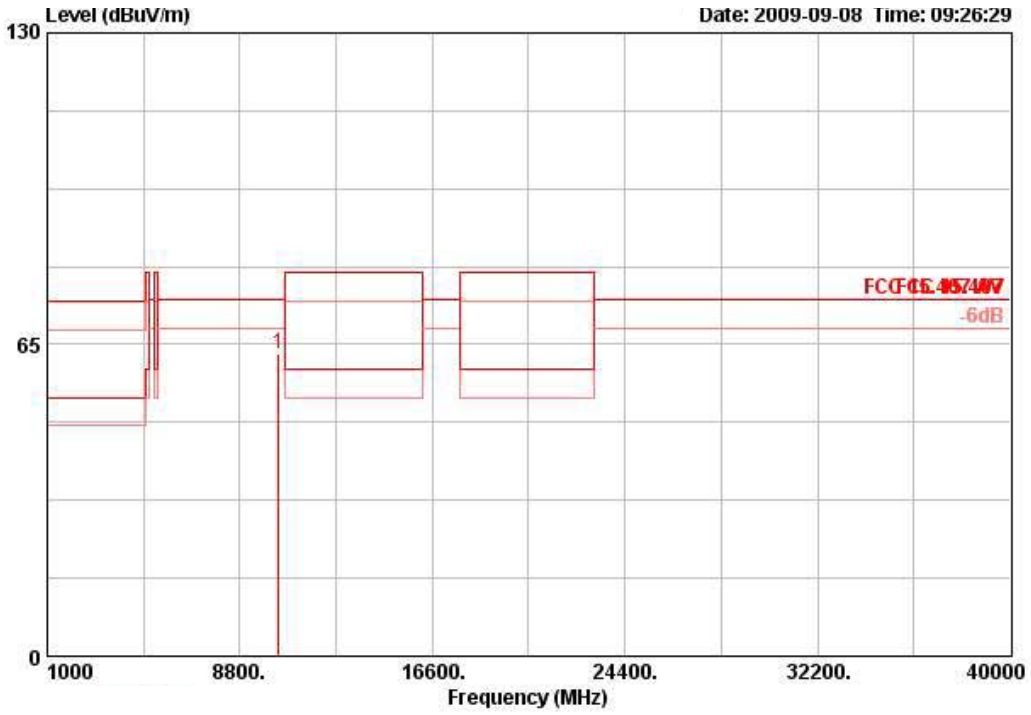
Distance extrapolation factor = 20 log (specific distance [3m] / test distance [1.5m]) (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor [6 dB].

<For Antenna 4>:

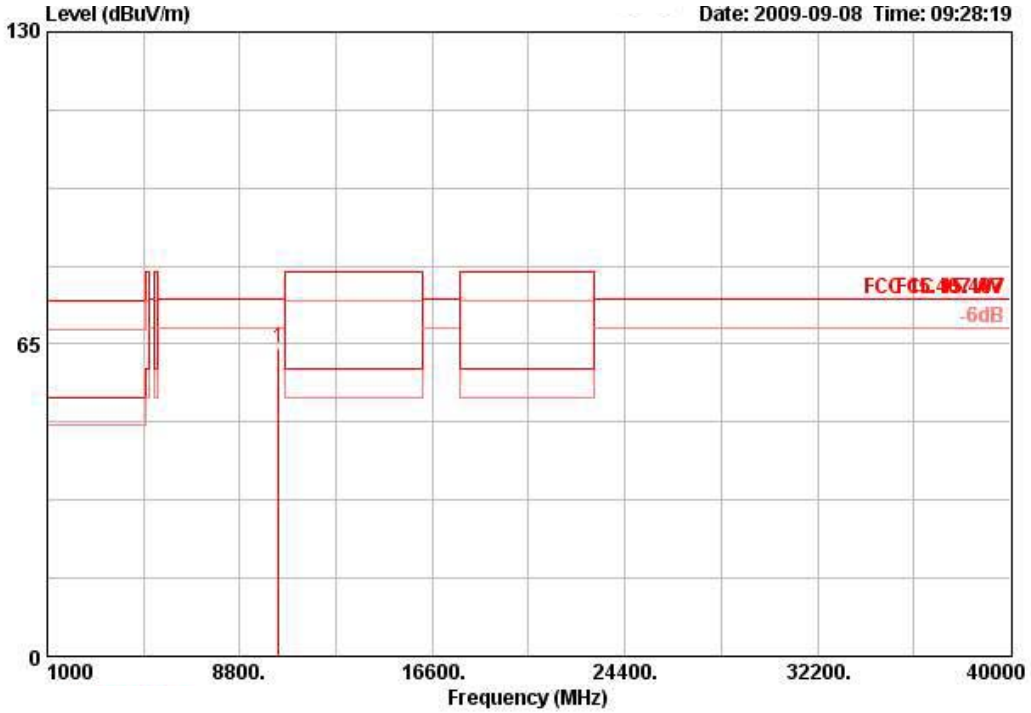
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	Draft n MCS8 20MHz Ch 36 / Ant. 4

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	10359.960	63.19	74.30	-11.11	53.94	6.49	35.62	38.37	158	115	PEAK	HORIZONTAL

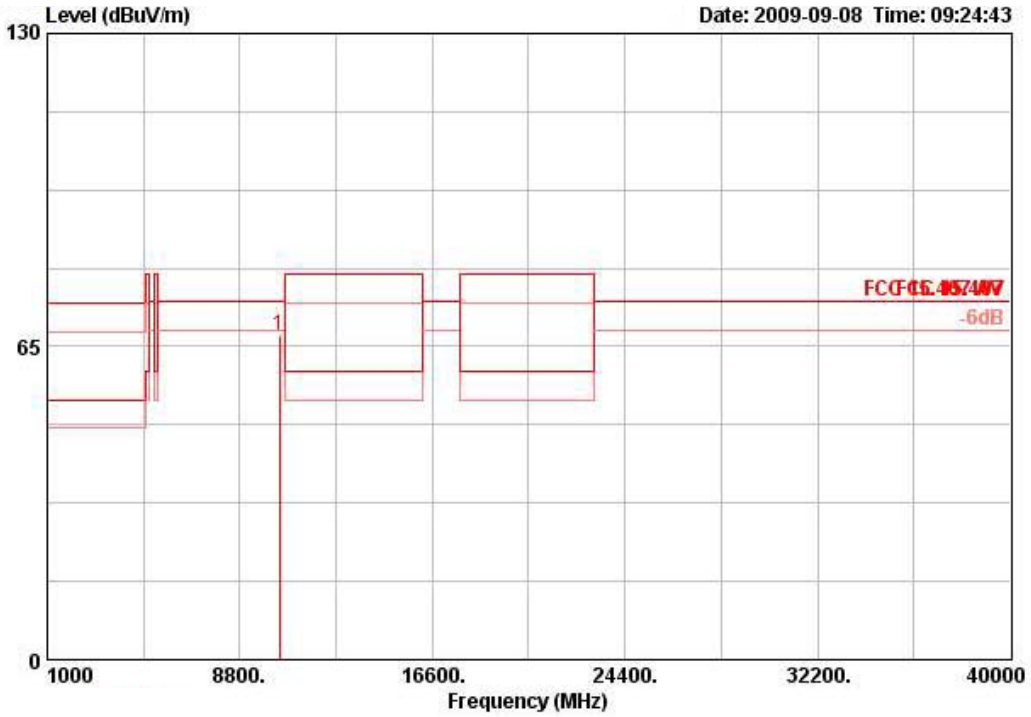
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	10360.120	64.12	74.30	-10.18	54.88	6.49	35.62	38.37	247	116	PEAK	VERTICAL

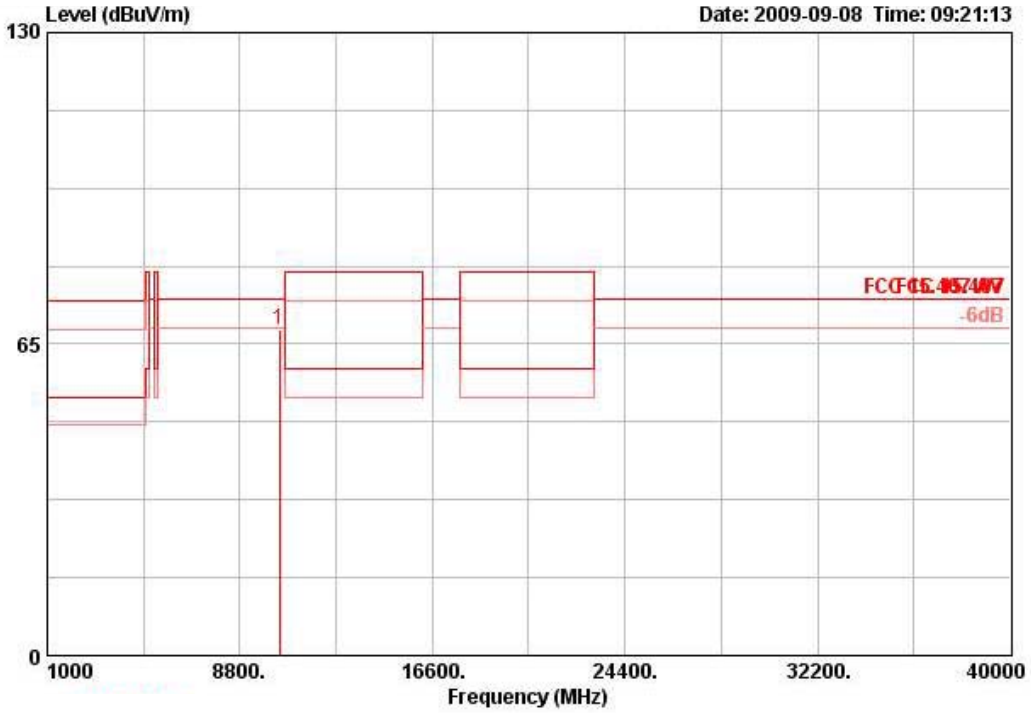
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	Draft n MCS8 20MHz Ch 40 / Ant. 4

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	10399.980	67.37	74.30	-6.93	58.05	6.52	35.58	38.38	163	113	PEAK	HORIZONTAL

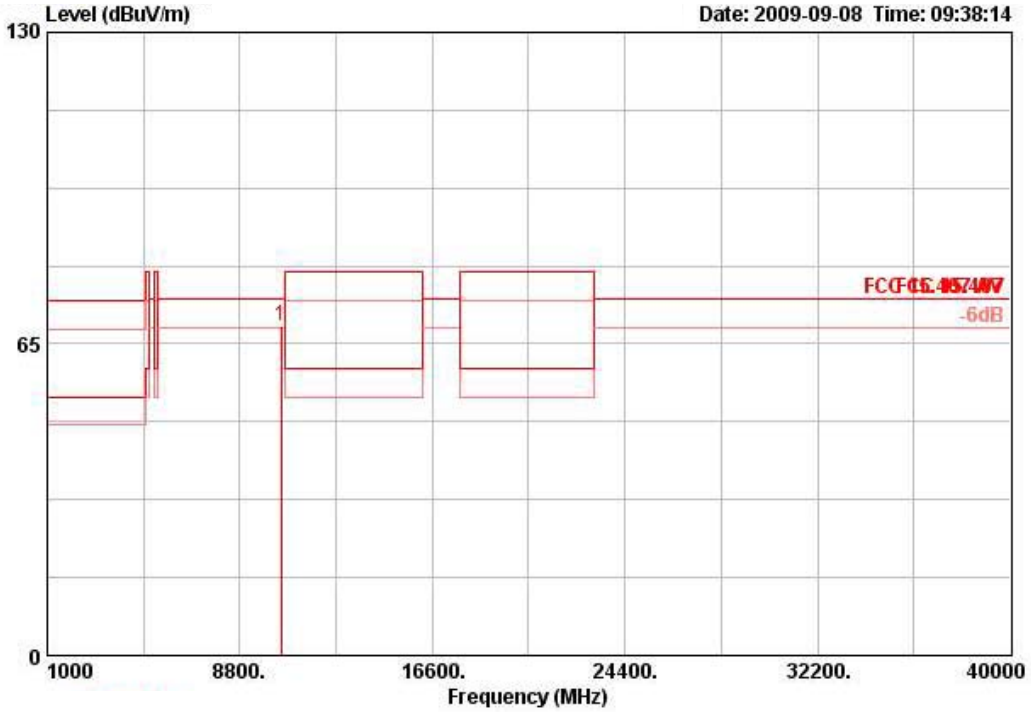
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	10399.500	67.86	74.30	-6.44	58.54	6.52	35.58	38.38	250	112	PEAK	VERTICAL

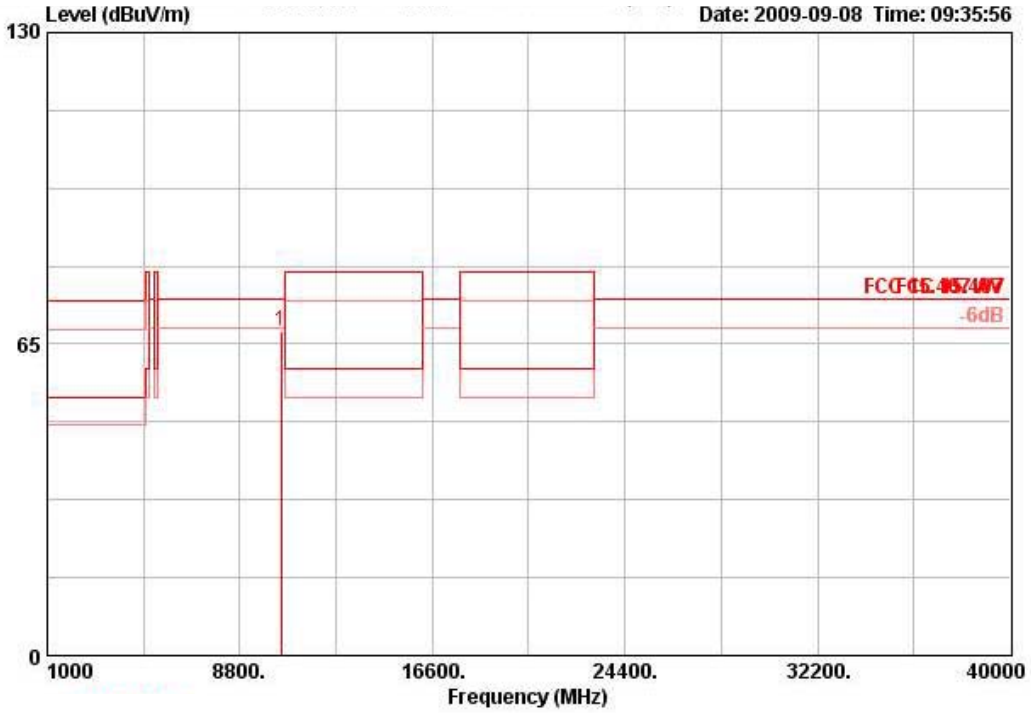
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	Draft n MCS8 20MHz Ch 48 / Ant. 4

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	10480.000	68.62	74.30	-5.68	59.18	6.57	35.52	38.39	207	116	PEAK	HORIZONTAL

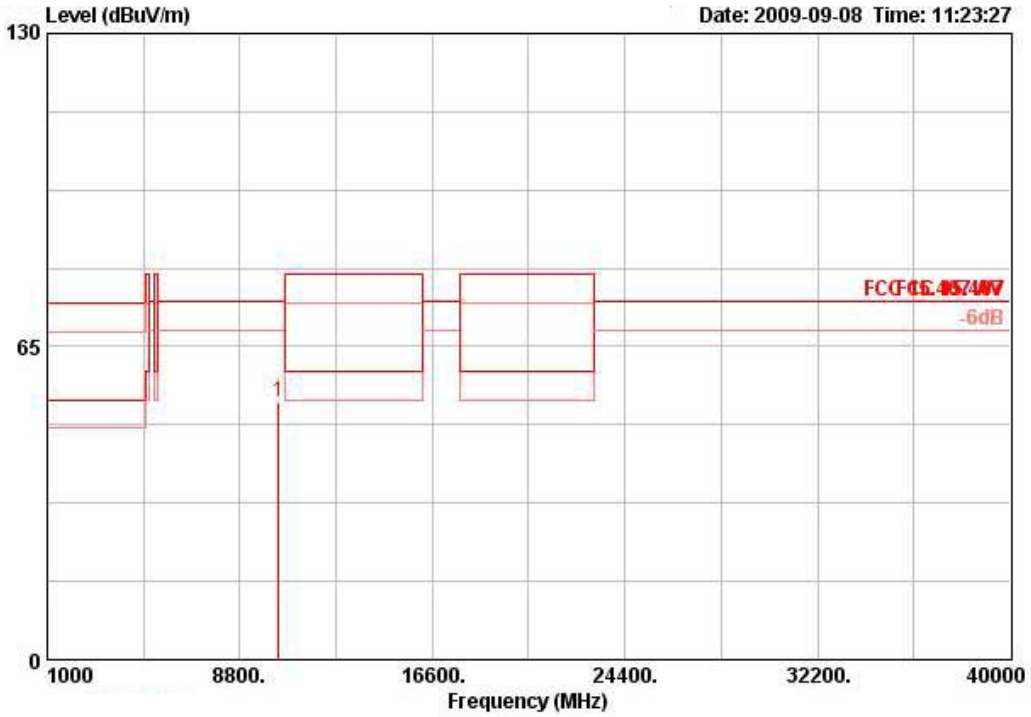
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	10480.080	67.61	74.30	-6.69	58.17	6.57	35.52	38.40	252	115	PEAK	VERTICAL

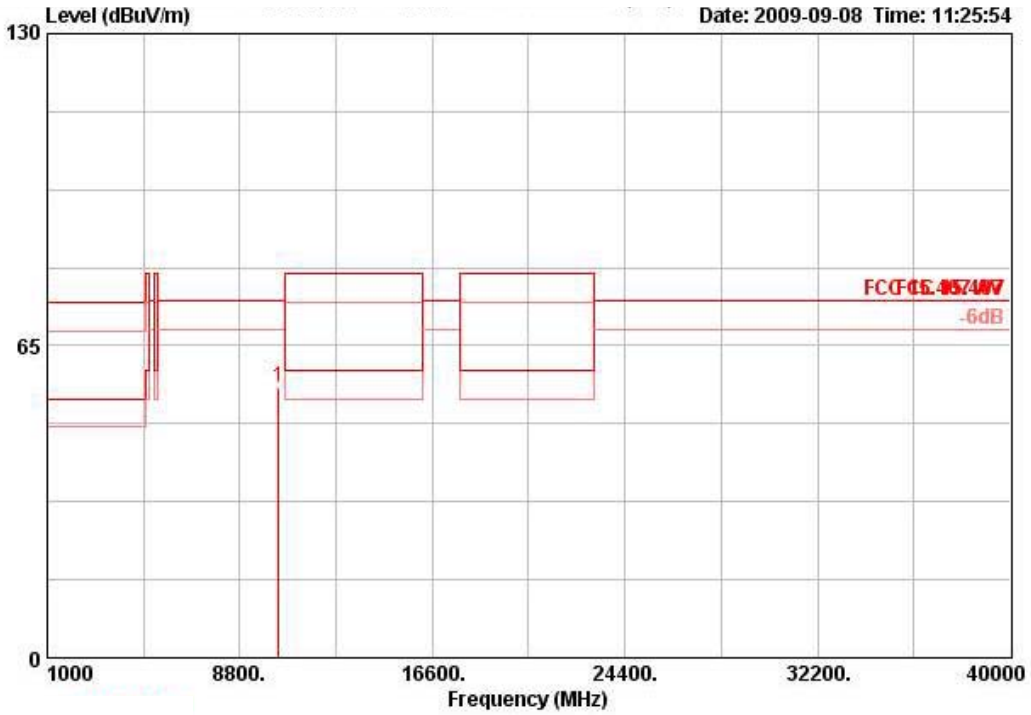
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	Draft n MCS8 40MHz Ch 38 / Ant. 4

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	10379.000	53.61	74.30	-20.69	44.33	6.51	35.60	38.38	198	109	PEAK	HORIZONTAL

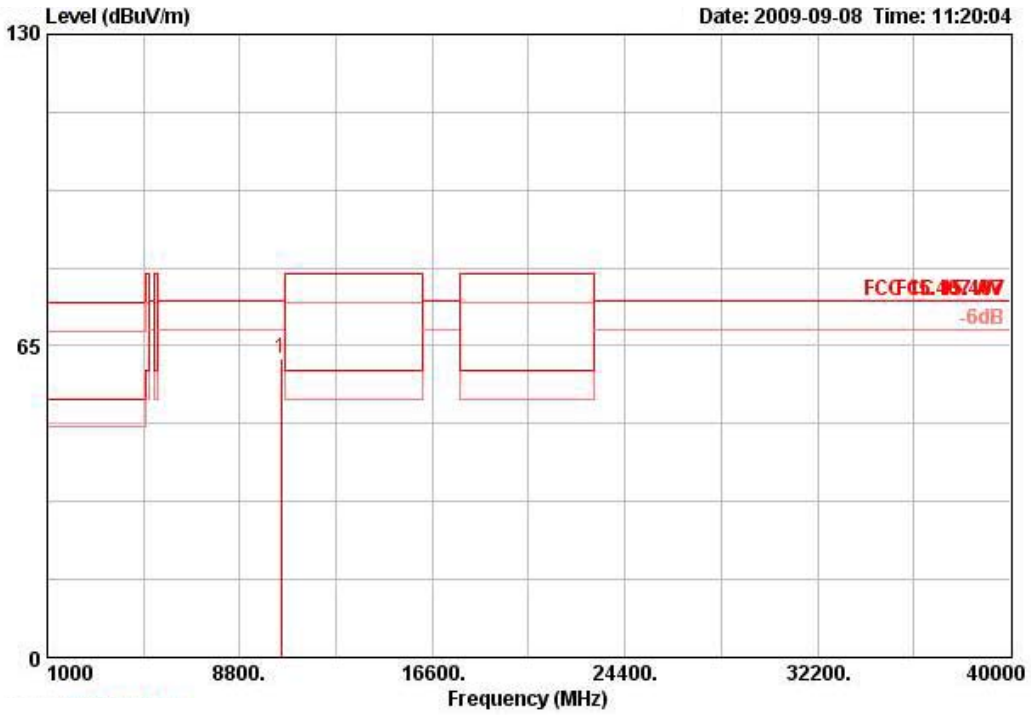
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	10381.500	56.22	74.30	-18.08	46.94	6.51	35.60	38.38	247	110	PEAK	VERTICAL

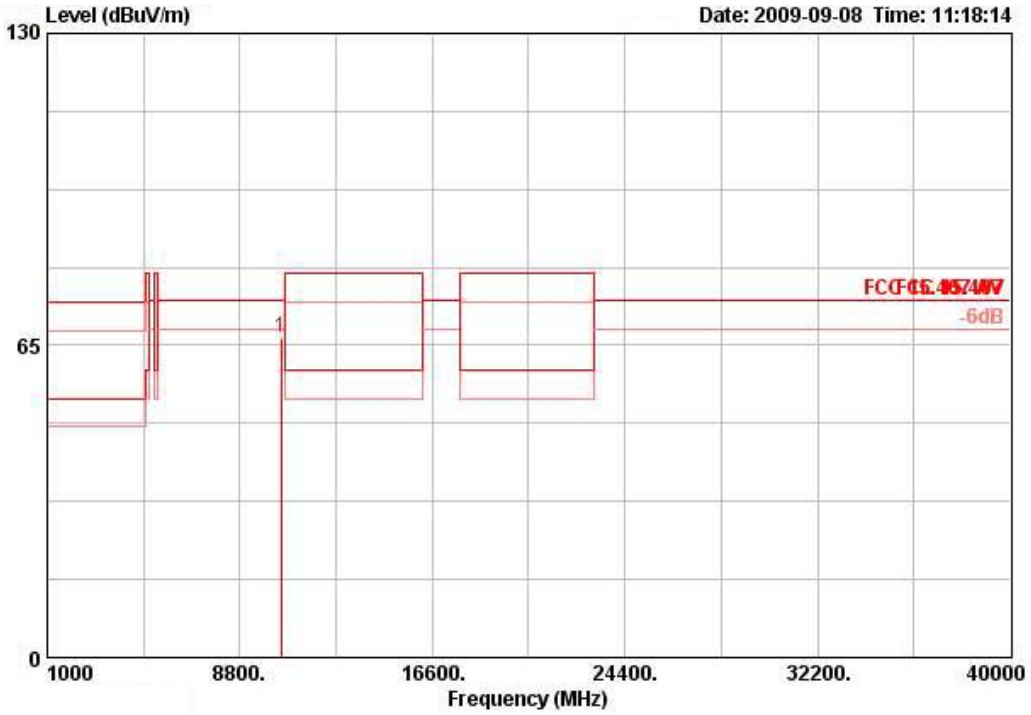
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	Draft n MCS8 40MHz Ch 46 / Ant. 4

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	10460.000	62.46	74.30	-11.84	53.06	6.55	35.54	38.39	192	111	PEAK	HORIZONTAL

Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	10460.000	66.47	74.30	-7.83	57.06	6.55	35.54	38.39	252	111	PEAK	VERTICAL

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB 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.

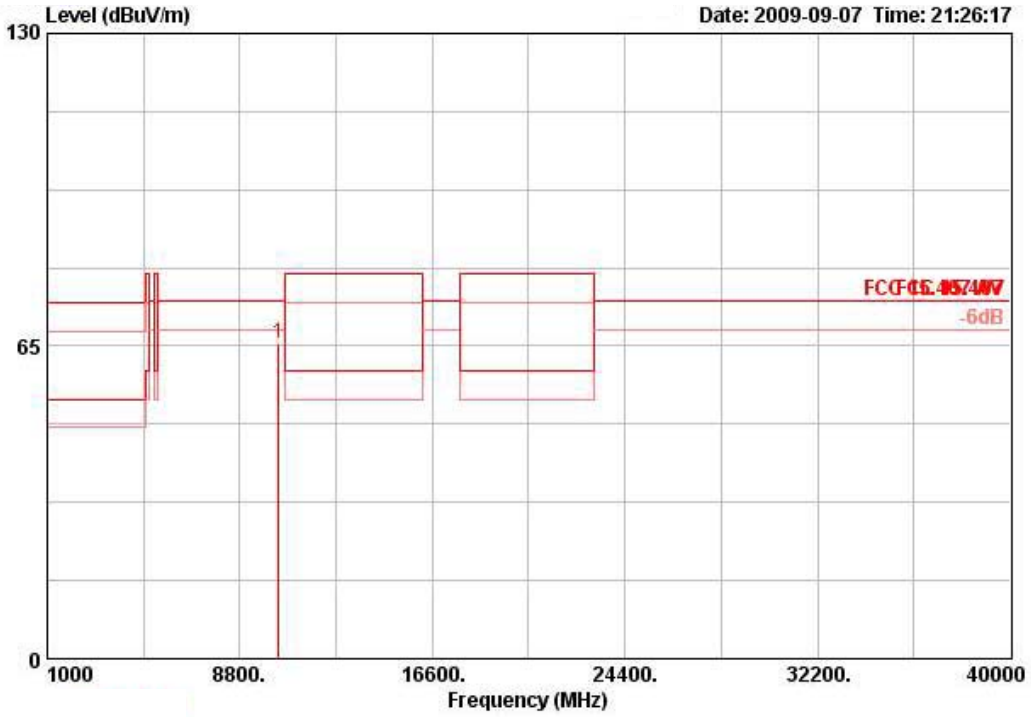
The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade form 3m to 1.5m.

Distance extrapolation factor = 20 log (specific distance [3m] / test distance [1.5m]) (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor [6 dB].

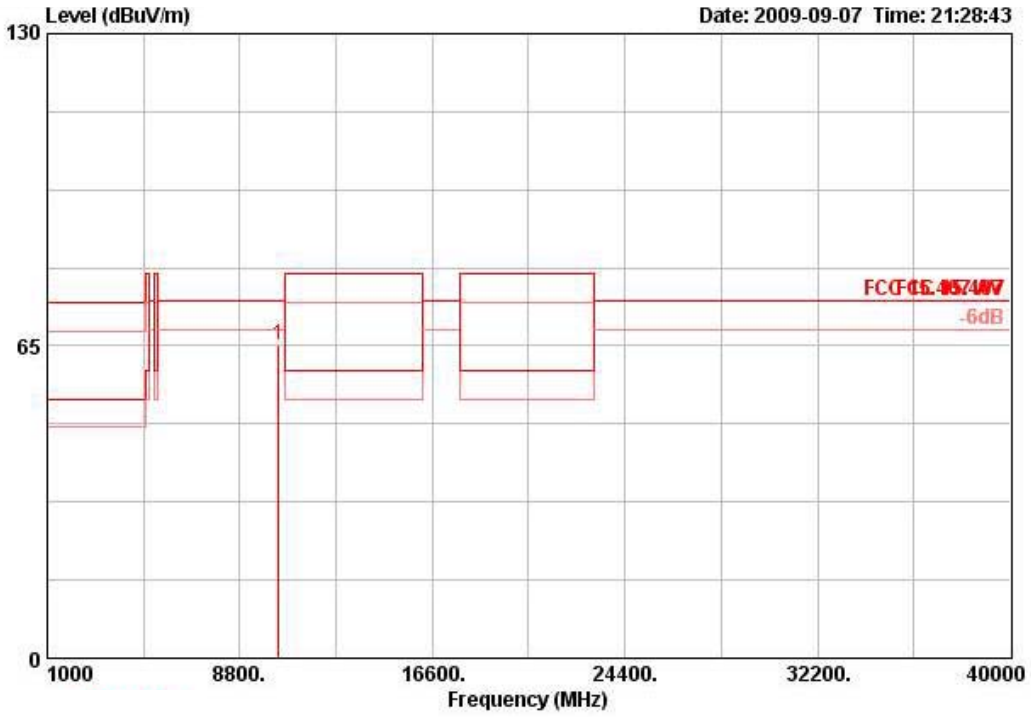
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	802.11a Ch 36 / Ant. 4

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	10355.720	65.37	74.30	-8.93	56.13	6.49	35.62	38.37	158	110	PEAK	HORIZONTAL

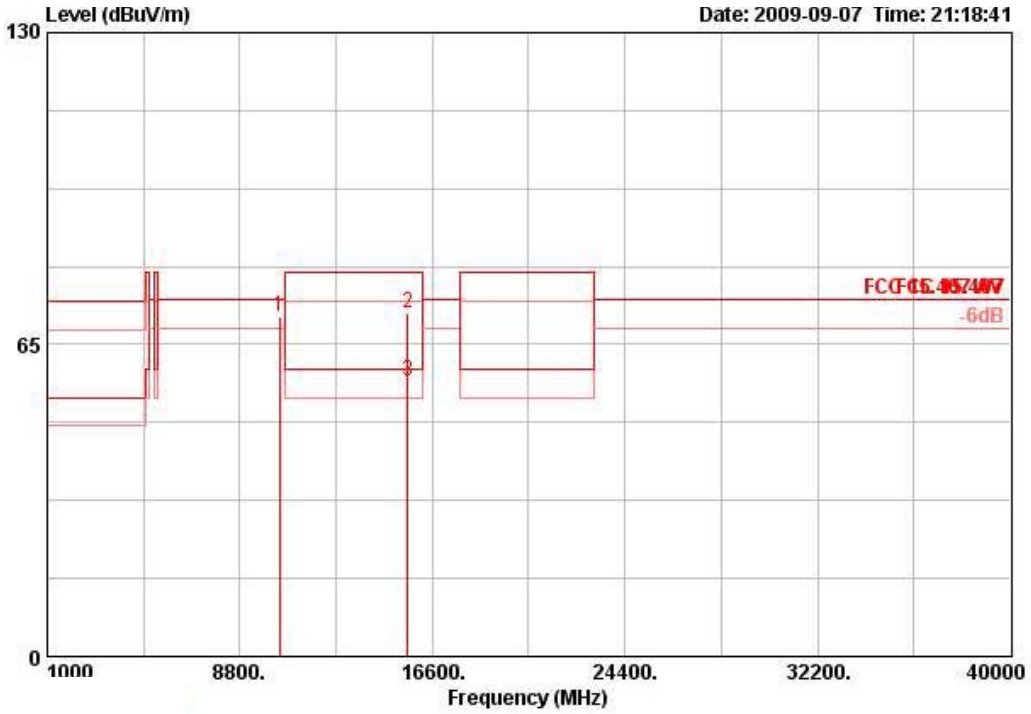
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	10359.440	65.30	74.30	-9.00	56.06	6.49	35.62	38.37	249	104	PEAK	VERTICAL

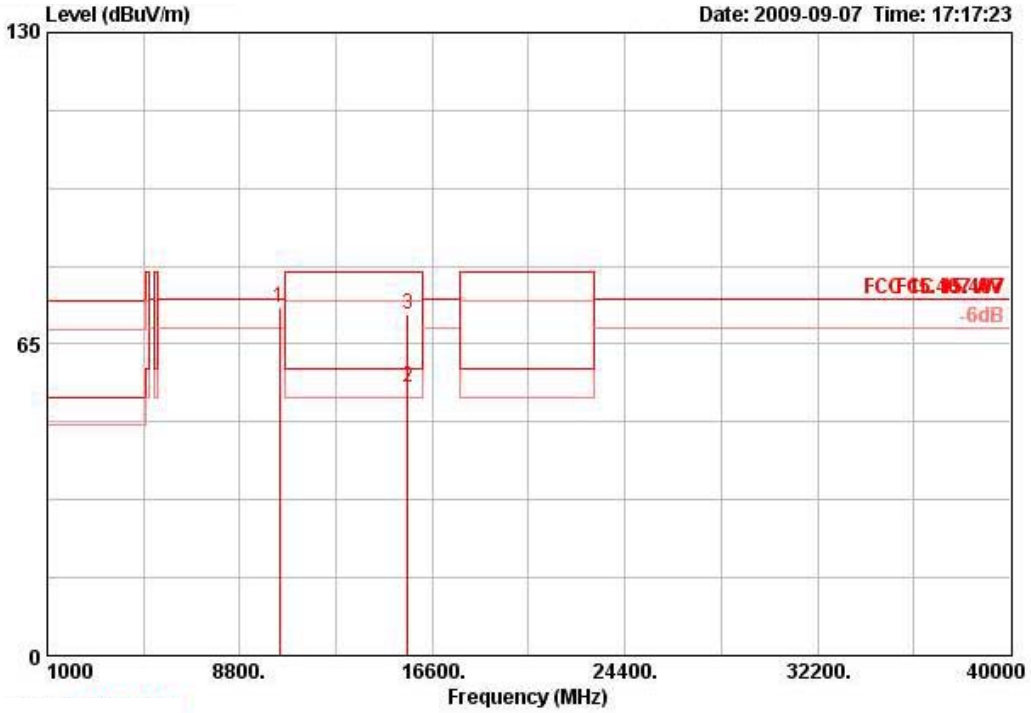
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	802.11a Ch 40 / Ant. 4

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	10403.560	70.90	74.30	-3.40	61.58	6.52	35.58	38.38	205	111	PEAK	HORIZONTAL
2	15595.720	71.72	80.00	-8.28	61.47	7.99	35.34	37.60	260	110	PEAK	HORIZONTAL
3 !	15603.120	57.25	60.00	-2.75	47.01	7.99	35.34	37.60	260	110	AVERAGE	HORIZONTAL

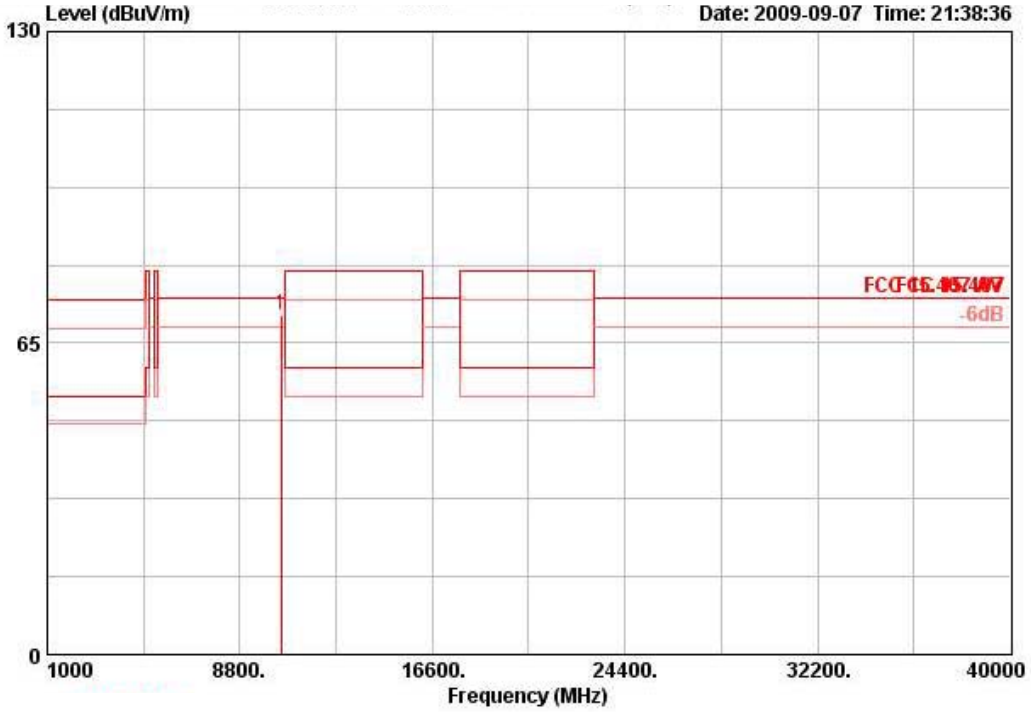
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	10398.680	72.48	74.30	-1.82	63.16	6.52	35.58	38.38	251	104	PEAK	VERTICAL
2 !	15603.440	55.82	60.00	-4.18	45.57	7.99	35.34	37.60	225	107	AVERAGE	VERTICAL
3	15607.560	71.25	80.00	-8.75	61.01	8.01	35.34	37.58	225	107	PEAK	VERTICAL

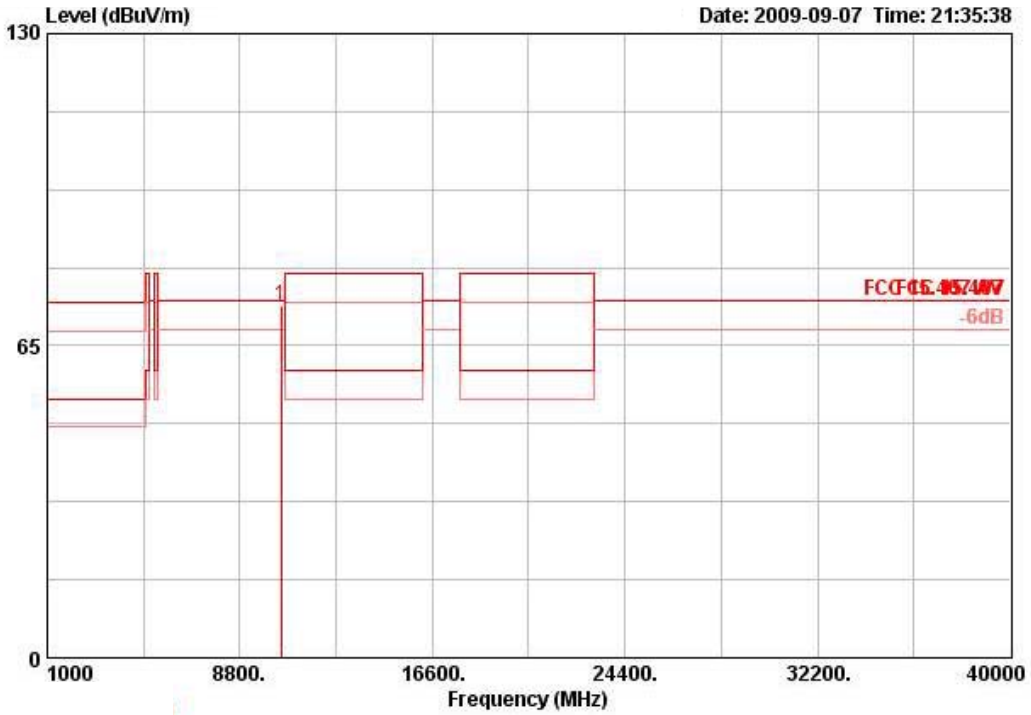
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	802.11a Ch 48 / Ant. 4

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	10477.540	70.94	74.30	-3.36	61.50	6.57	35.52	38.39	205	124	PEAK	HORIZONTAL

Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	10480.440	73.45	74.30	-0.85	64.01	6.57	35.52	38.40	224	107	PEAK	VERTICAL

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB 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.

The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade form 3m to 1.5m.

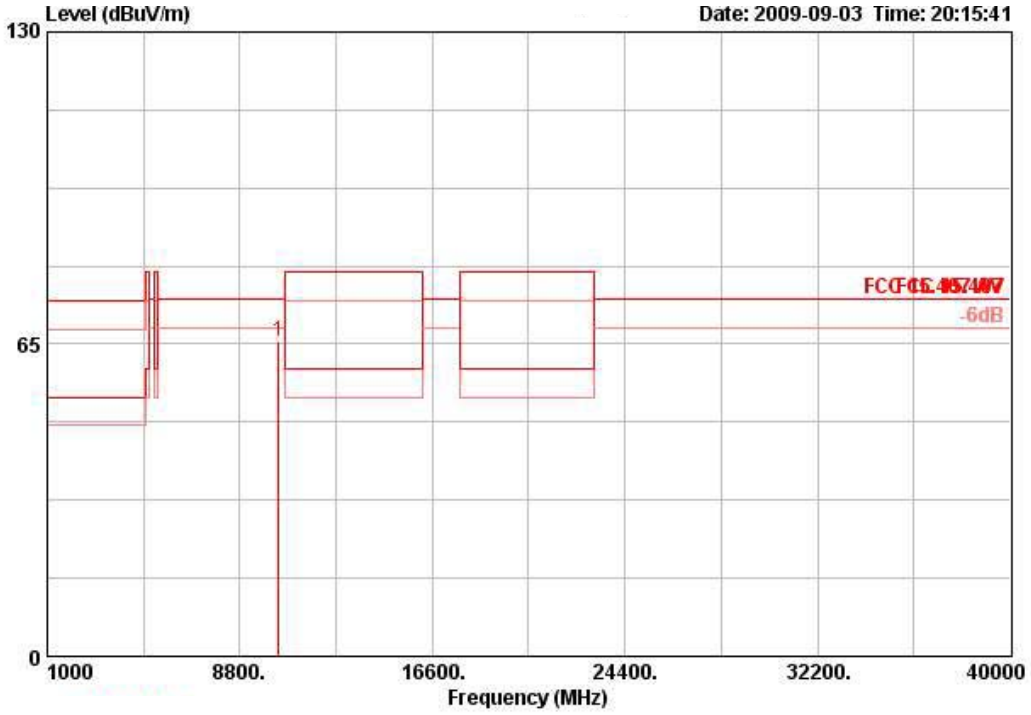
Distance extrapolation factor = 20 log (specific distance [3m] / test distance [1.5m]) (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor [6 dB].

<For Antenna 5>:

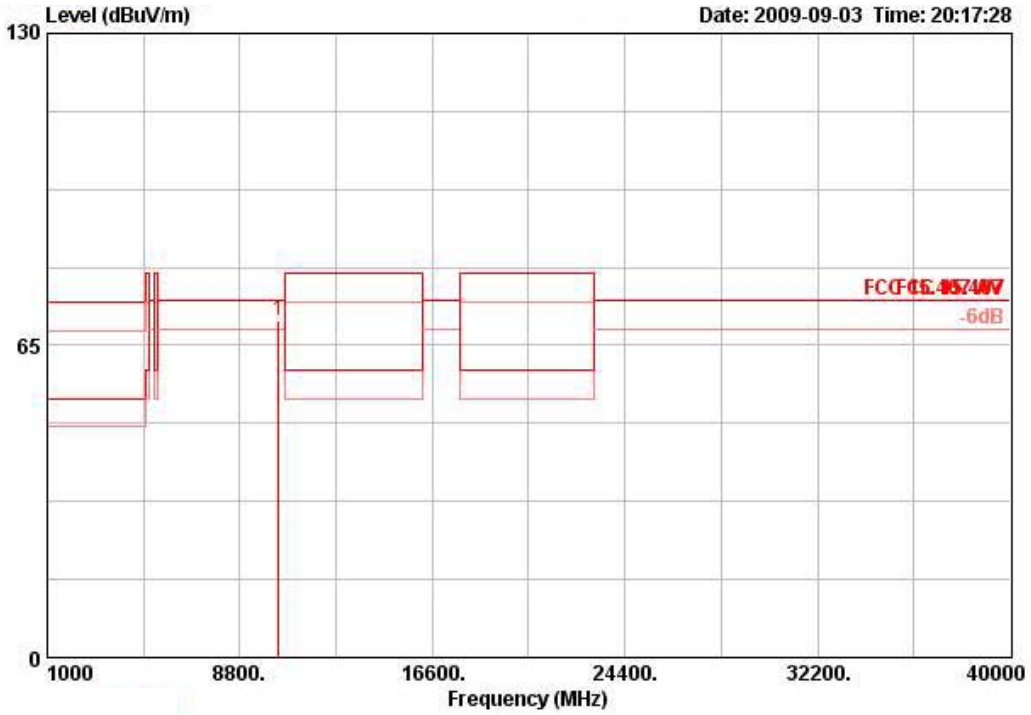
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	Draft n MCS8 20MHz Ch 36 / Ant. 5

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 @	10359.980	65.52	74.30	-8.78	56.28	6.49	35.62	38.37	28	106	PEAK	HORIZONTAL

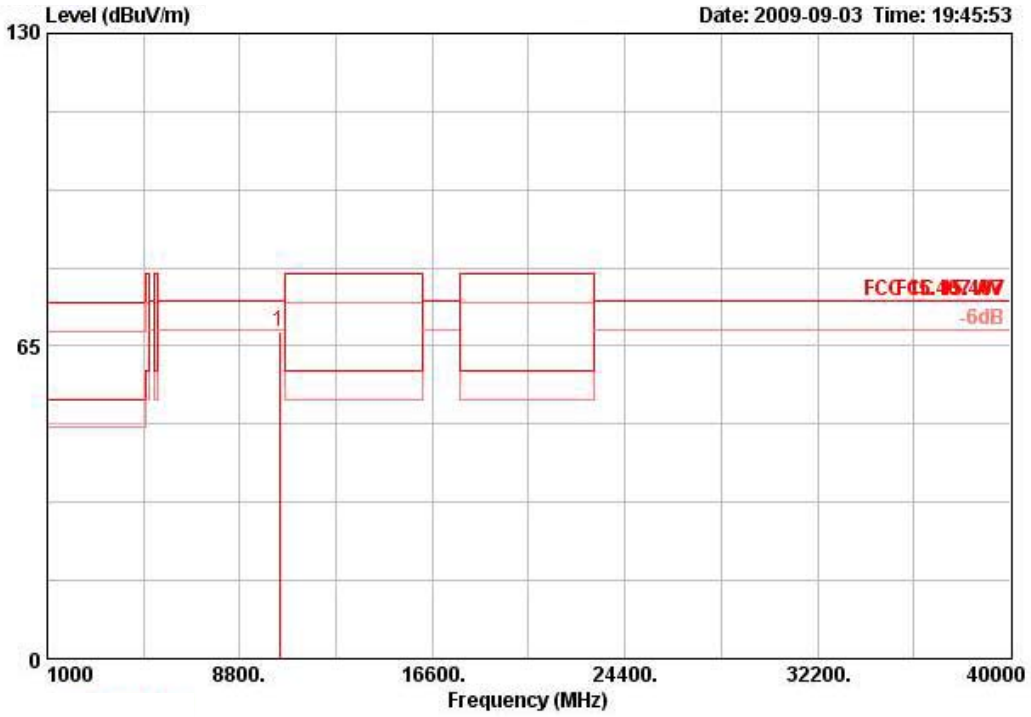
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 @	10359.880	70.30	74.30	-4.00	61.06	6.49	35.62	38.37	200	110	PEAK	VERTICAL

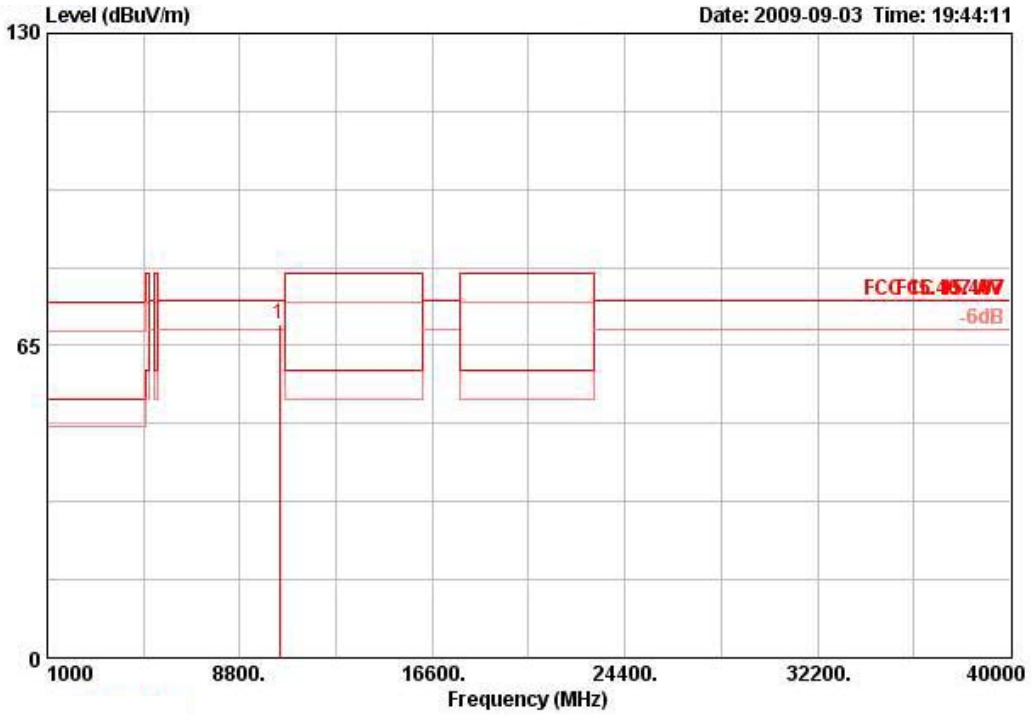
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	Draft n MCS8 20MHz Ch 40 / Ant. 5

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 @	10400.040	67.87	74.30	-6.43	58.55	6.52	35.58	38.38	29	110	PEAK	HORIZONTAL

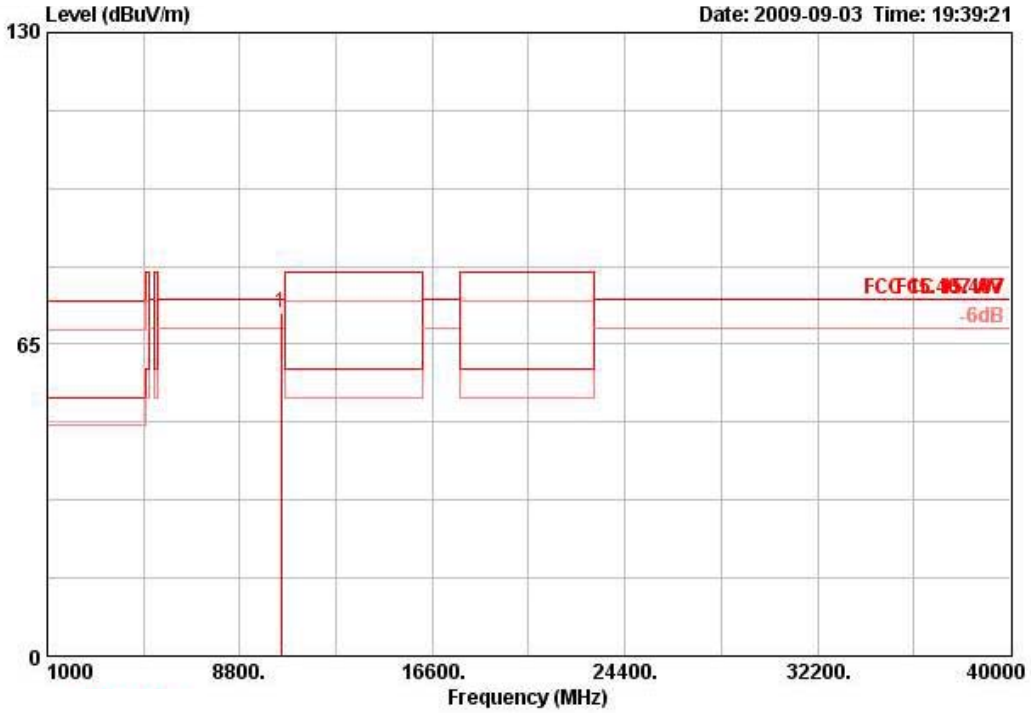
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 @	10399.960	69.44	74.30	-4.86	60.12	6.52	35.58	38.38	210	111	PEAK	VERTICAL

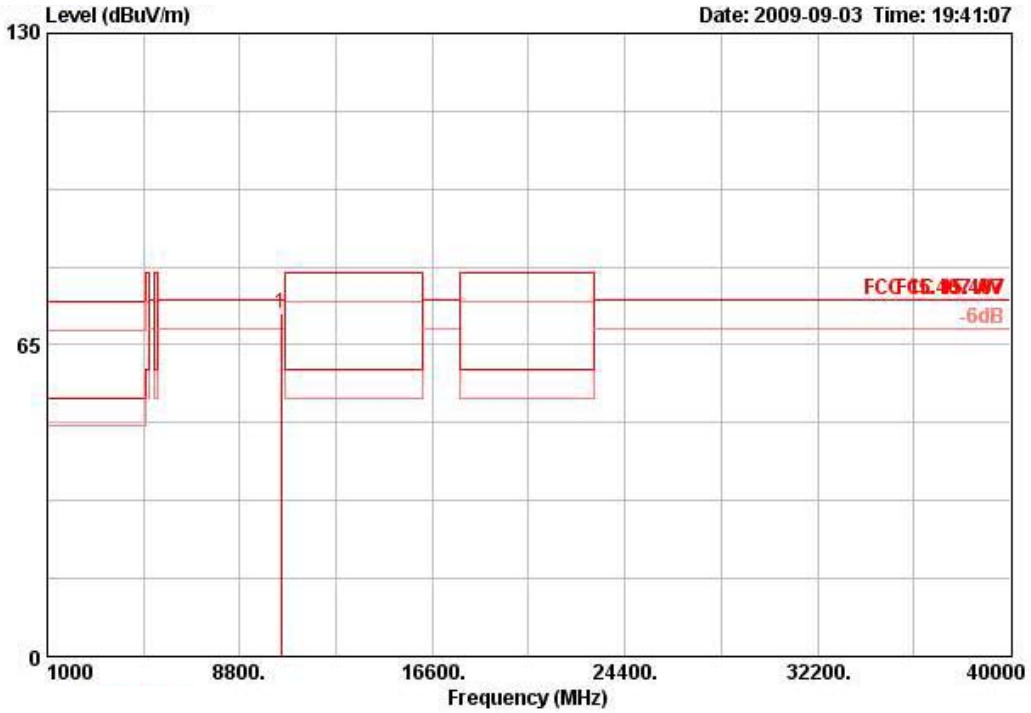
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	Draft n MCS8 20MHz Ch 48 / Ant. 5

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 @	10479.880	71.41	74.30	-2.89	61.97	6.57	35.52	38.39	193	114	PEAK	HORIZONTAL

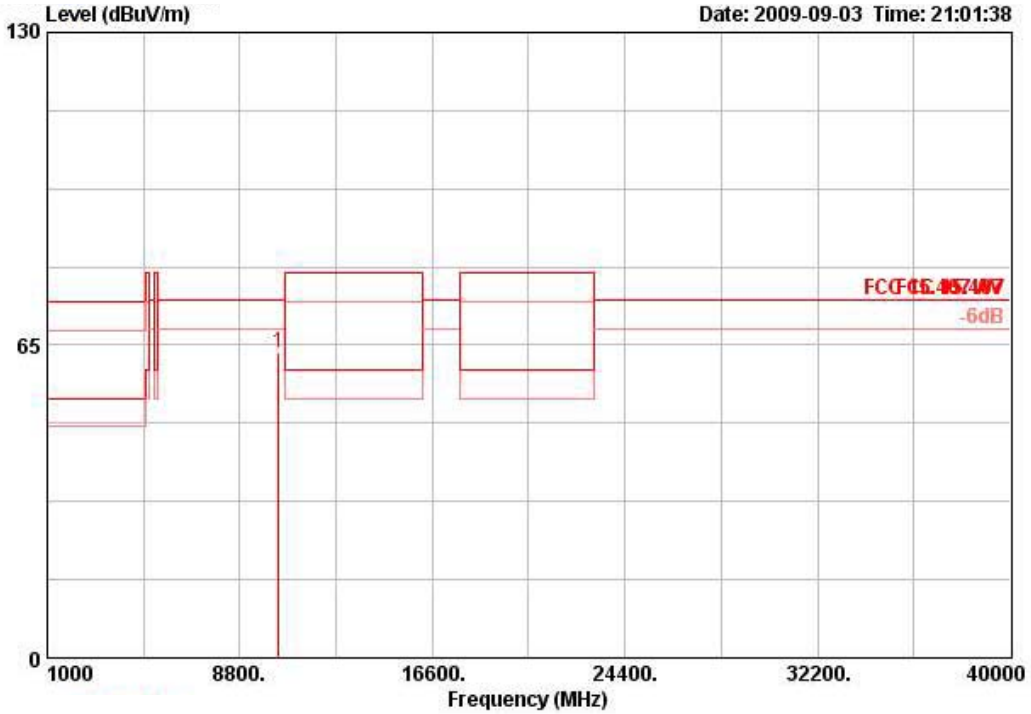
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 @	10479.960	71.45	74.30	-2.85	62.01	6.57	35.52	38.40	5	113	PEAK	VERTICAL

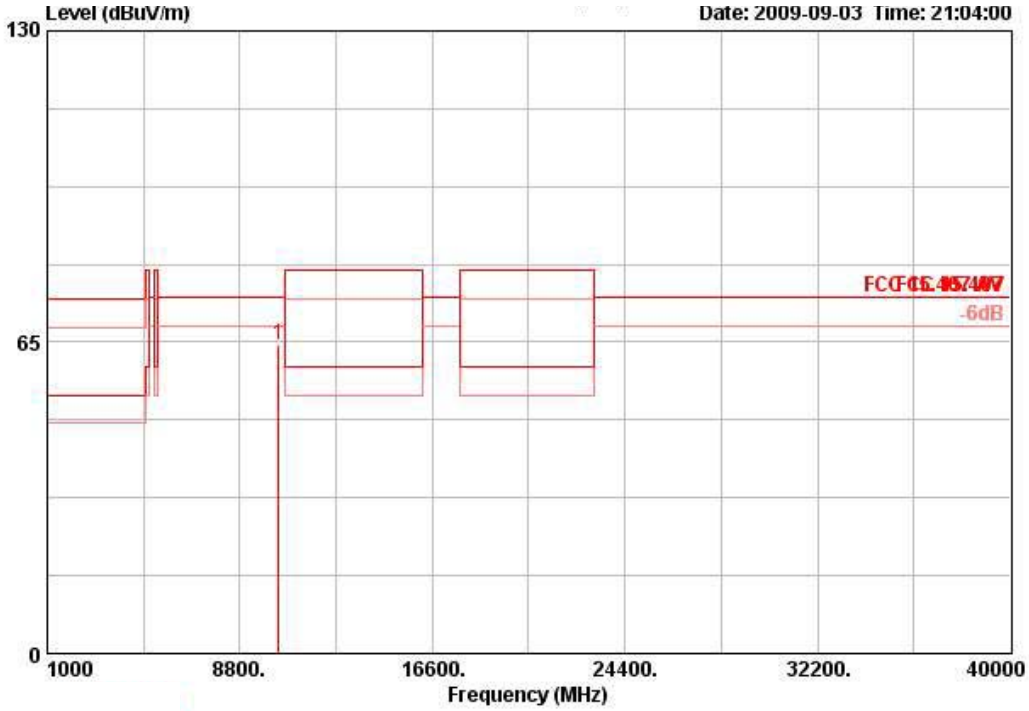
Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	Draft n MCS8 40MHz Ch 38 / Ant. 5

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	10379.960	63.52	74.30	-10.78	54.23	6.51	35.60	38.38	192	122	PEAK	HORIZONTAL

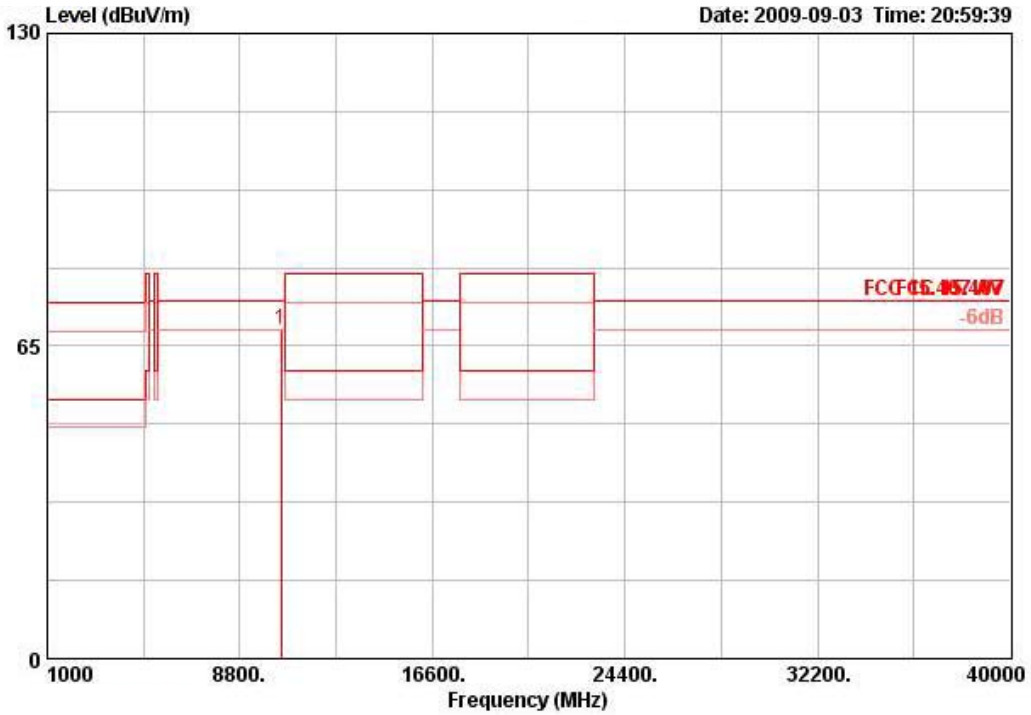
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	10379.960	64.52	74.30	-9.78	55.23	6.51	35.60	38.38	39	129	PEAK	VERTICAL

Temperature	26.8°C	Humidity	56%
Test Engineer	Beck Wu	Configurations	Draft n MCS8 40MHz Ch 46 / Ant. 5

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Table Pos	Ant Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 @	10459.960	68.33	74.30	-5.97	58.93	6.55	35.54	38.39	203	129	PEAK	HORIZONTAL