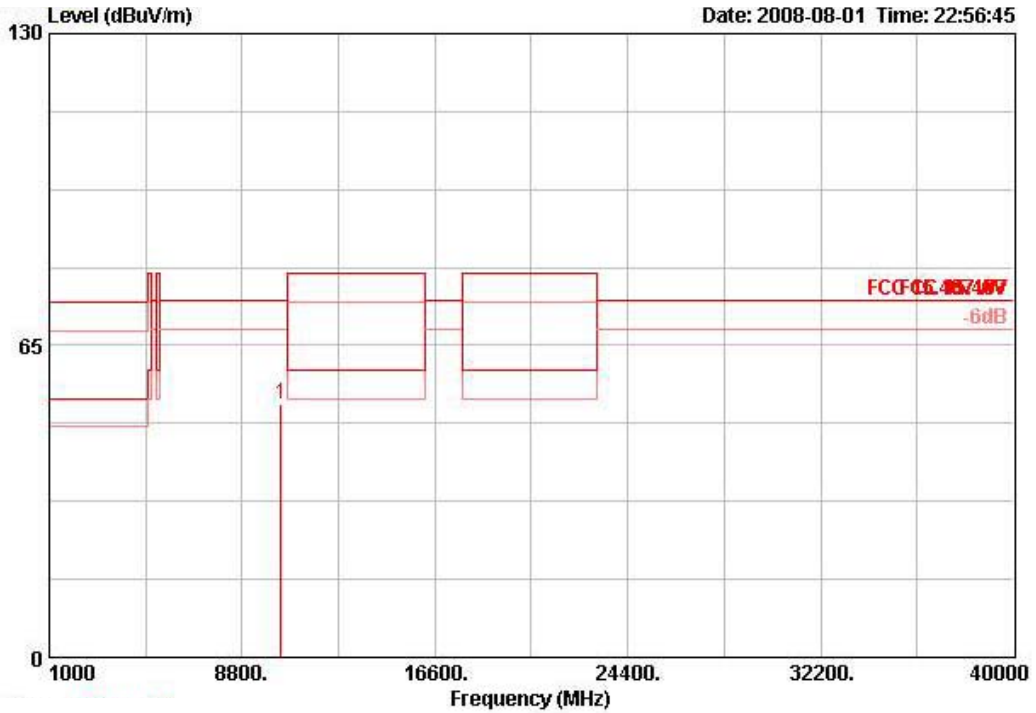


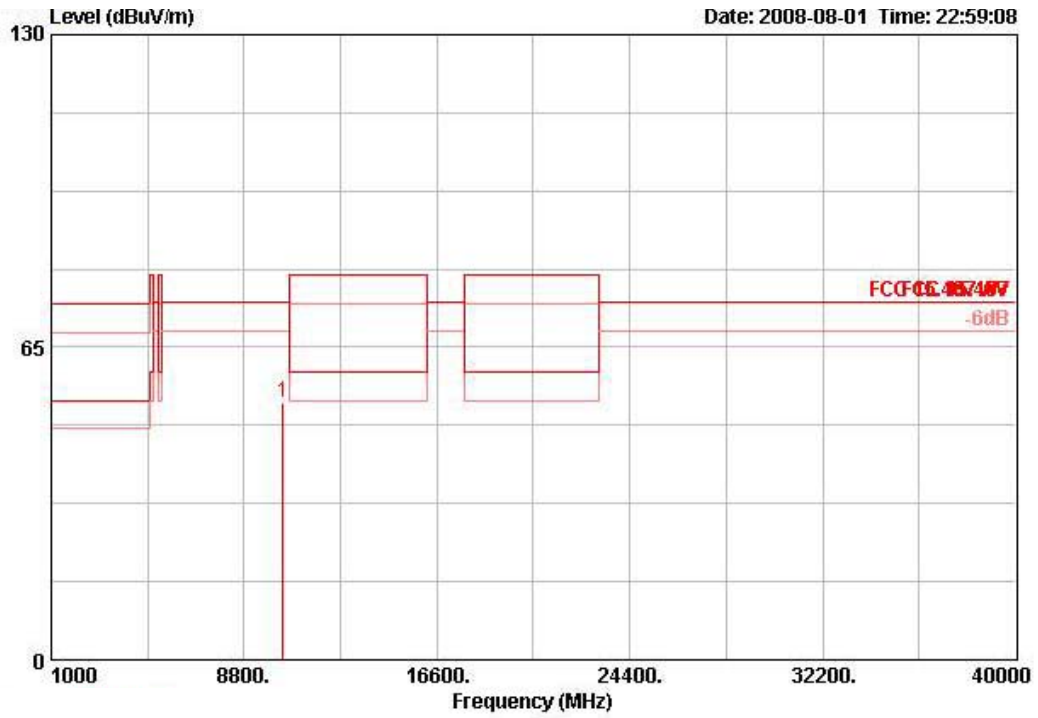
Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 36 / Ant. 5

Horizontal



	Freq	Level	Over Limit	Limit Line	ReadAntenna 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	10360.300	52.84	-21.46	74.30	44.48	38.49	5.23	35.36	PEAK	100	210	HORIZONTAL

Vertical

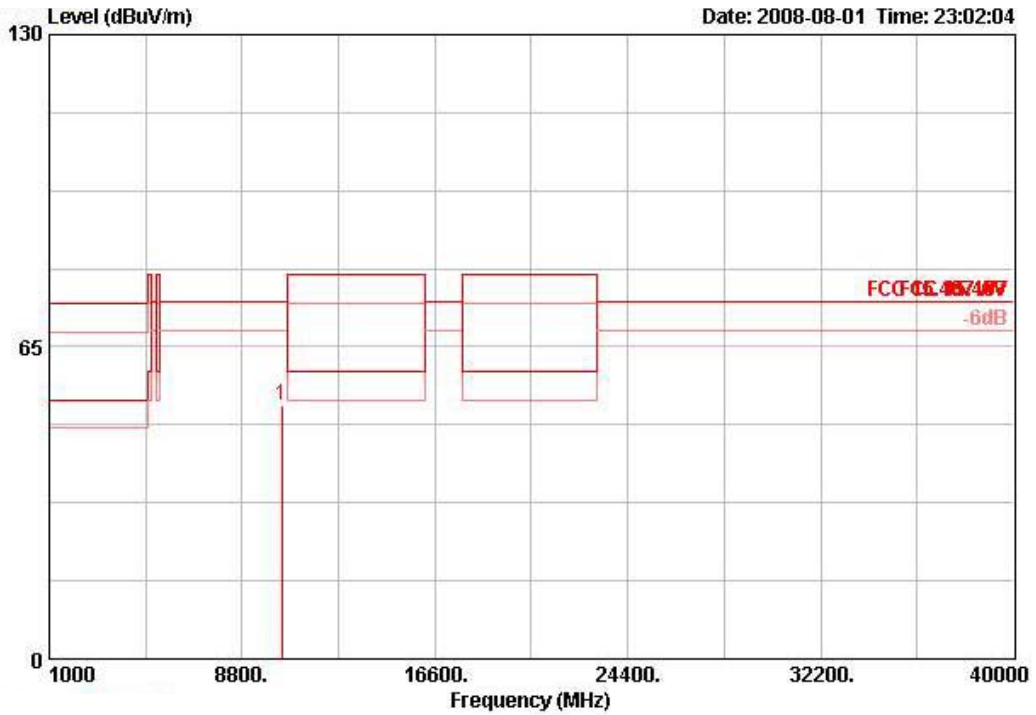


	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	10359.840	53.64	-20.66	74.30	45.27	38.49	5.23	35.36	PEAK	100	359	VERTICAL



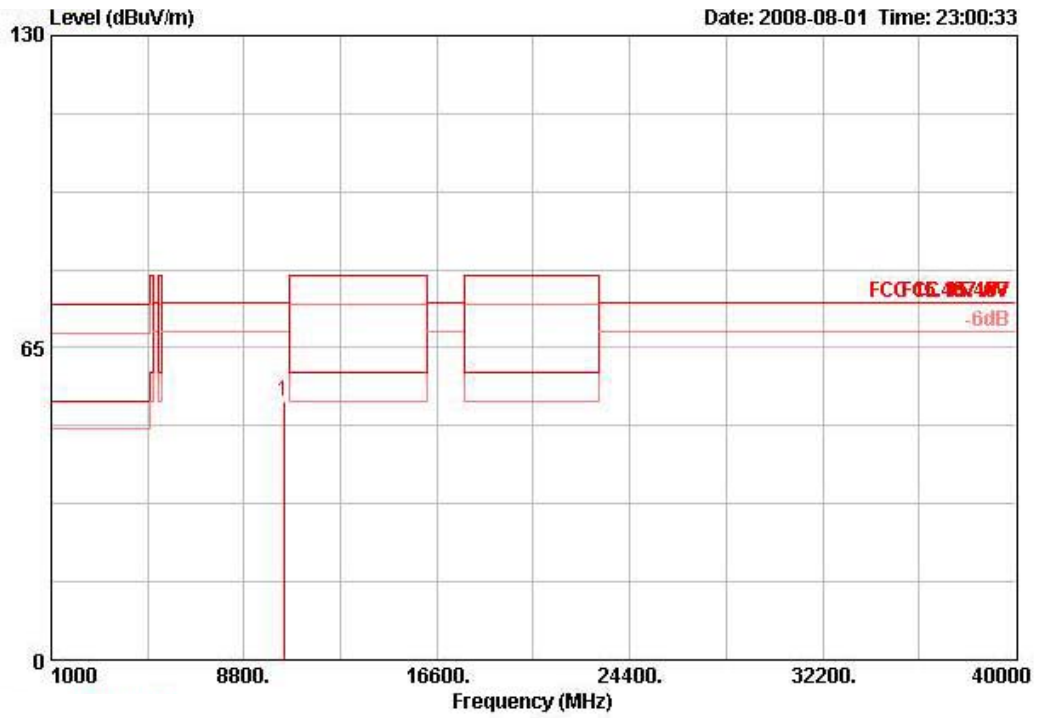
Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 40 / Ant. 5

Horizontal



	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	10397.920	52.63	-21.67	74.30	44.17	38.52	5.24	35.30	PEAK	100	360	HORIZONTAL

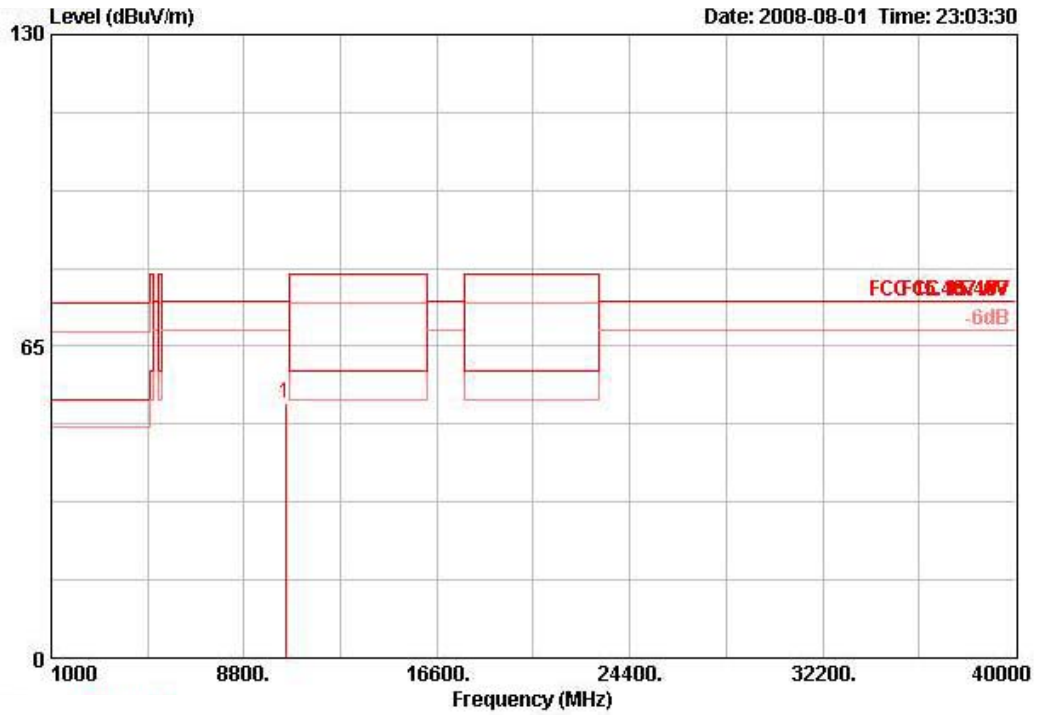
Vertical



	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	10400.710	54.00	-20.30	74.30	45.54	38.52	5.24	35.30	PEAK	100	0	VERTICAL

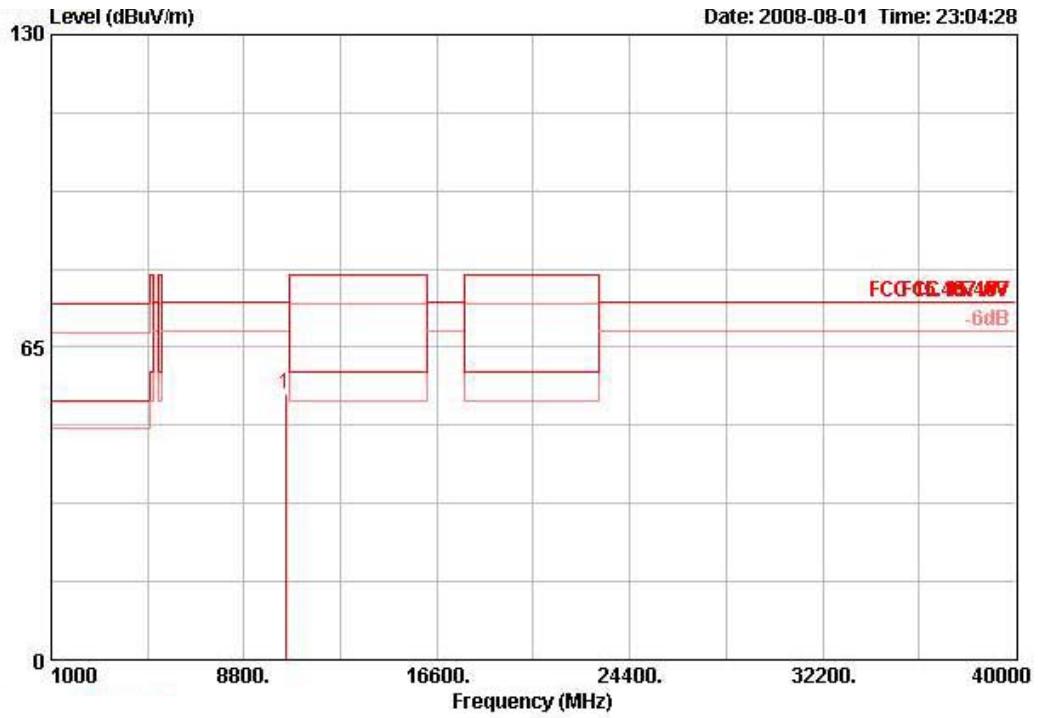
Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 48 / Ant. 5

Horizontal



	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	10480.480	53.08	-21.22	74.30	44.45	38.59	5.26	35.21	PEAK	100	0	HORIZONTAL

Vertical

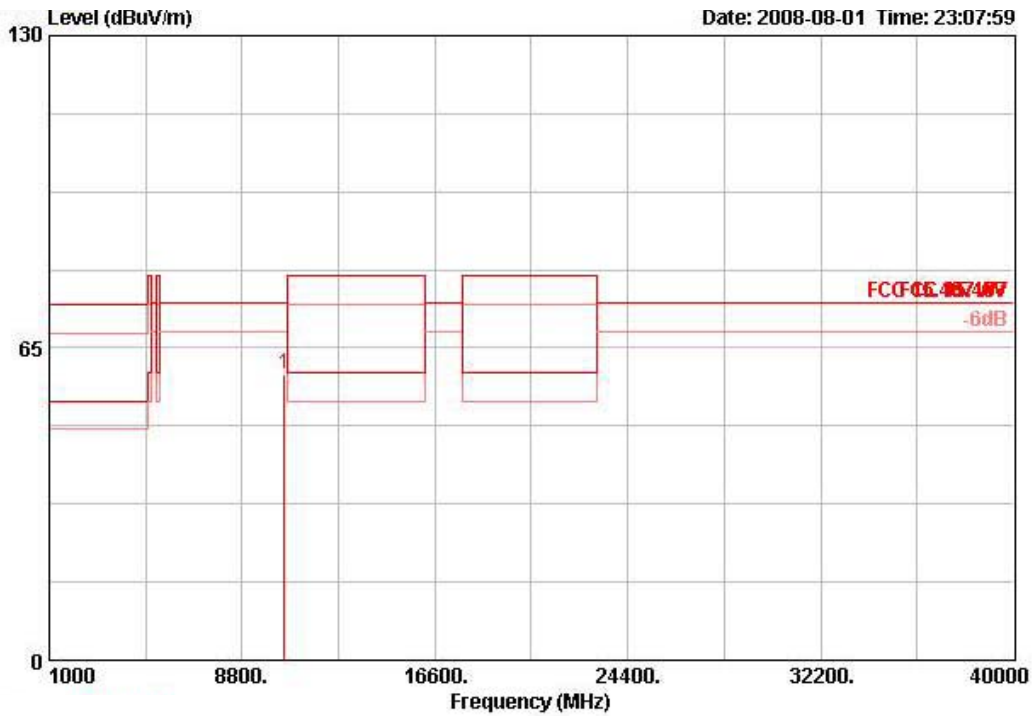


	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	10477.580	55.18	-19.12	74.30	46.54	38.59	5.26	35.21	PEAK	100	360	VERTICAL



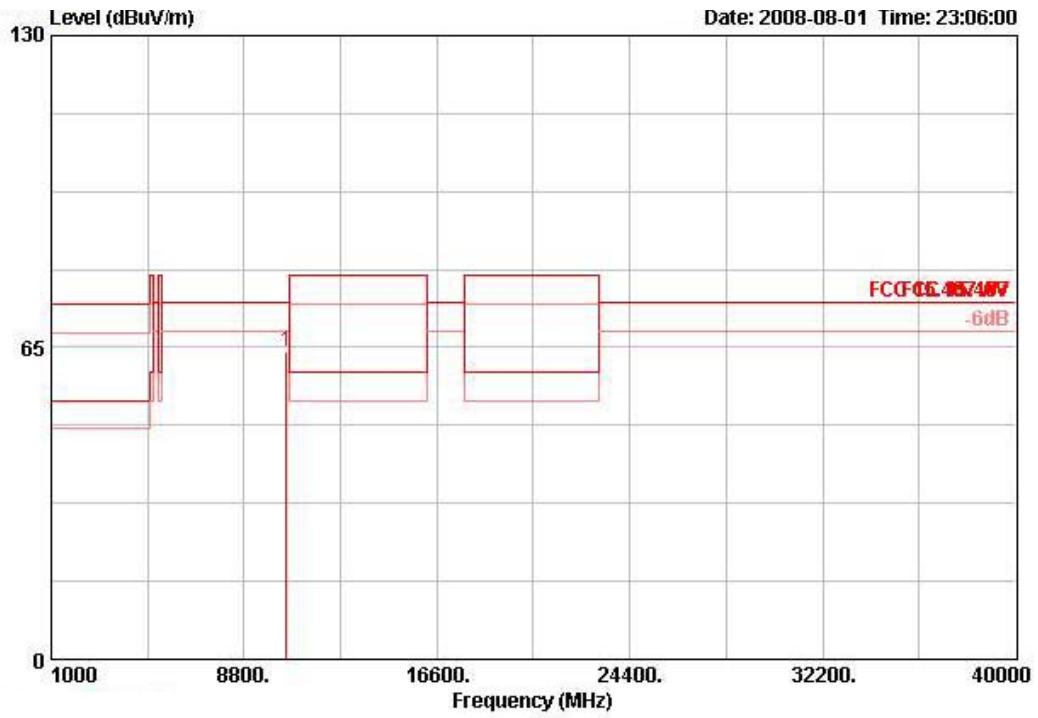
Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 52 / Ant. 5

Horizontal



	Over	Limit	Read	Antenna	Cable	Preamp		Ant	Table
Freq	Level	Limit	Level	Factor	Loss	Factor	Remark	Pos	Pos
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1 @ 10517.530	59.49	-14.81	74.30	50.81	38.59	5.26	35.18 PEAK	100	0 HORIZONTAL

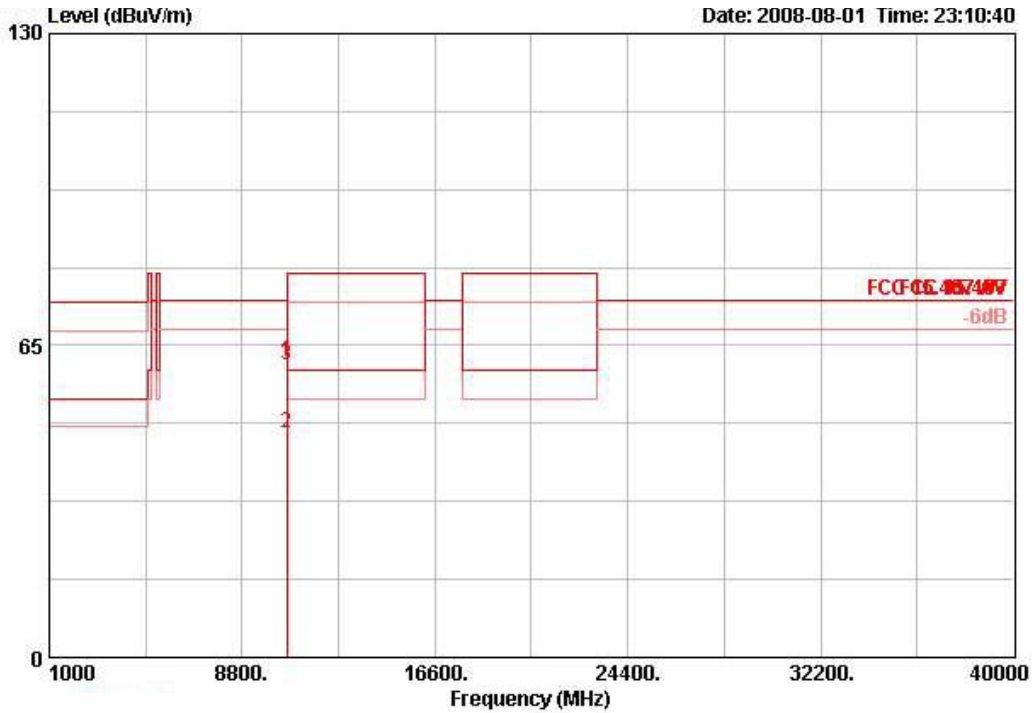
Vertical



	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 @	10517.960	64.12	-10.18	74.30	55.45	38.59	5.26	35.18	PEAK	100	360	VERTICAL

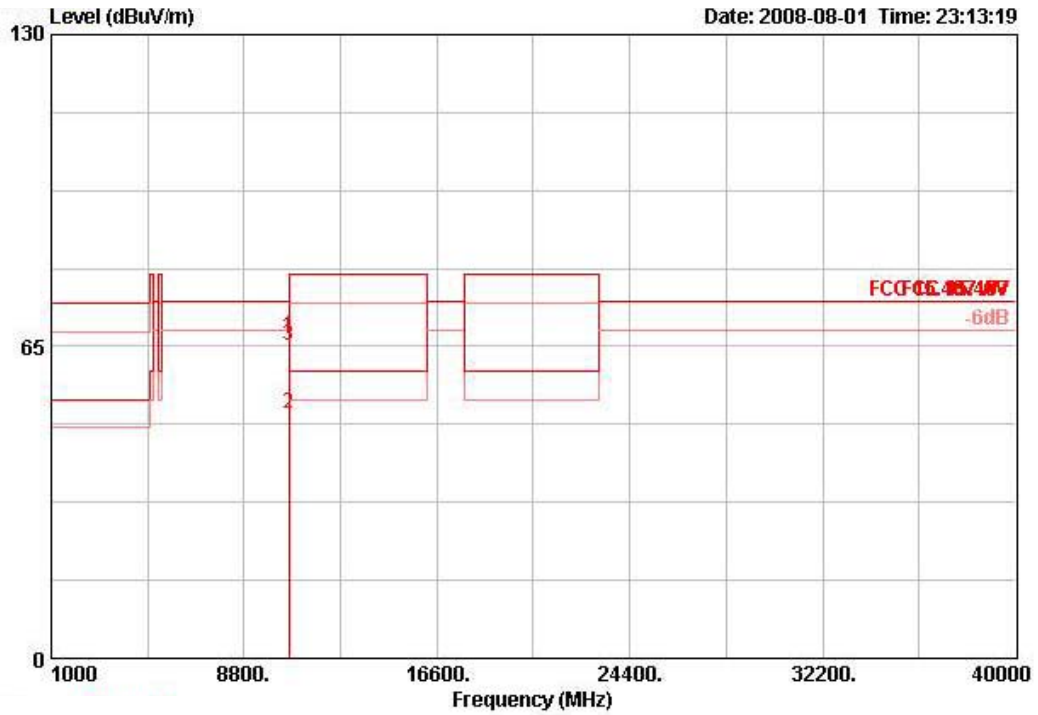
Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 60 / Ant. 5

Horizontal



	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 @	10597.600	61.69	-12.61	74.30	53.02	38.56	5.21	35.10	PEAK	109	225	HORIZONTAL
2 @	10601.780	46.70	-13.30	60.00	38.03	38.56	5.19	35.08	AVERAGE	109	225	HORIZONTAL
3	10601.880	61.10	-18.90	80.00	52.42	38.56	5.19	35.08	PEAK	109	225	HORIZONTAL

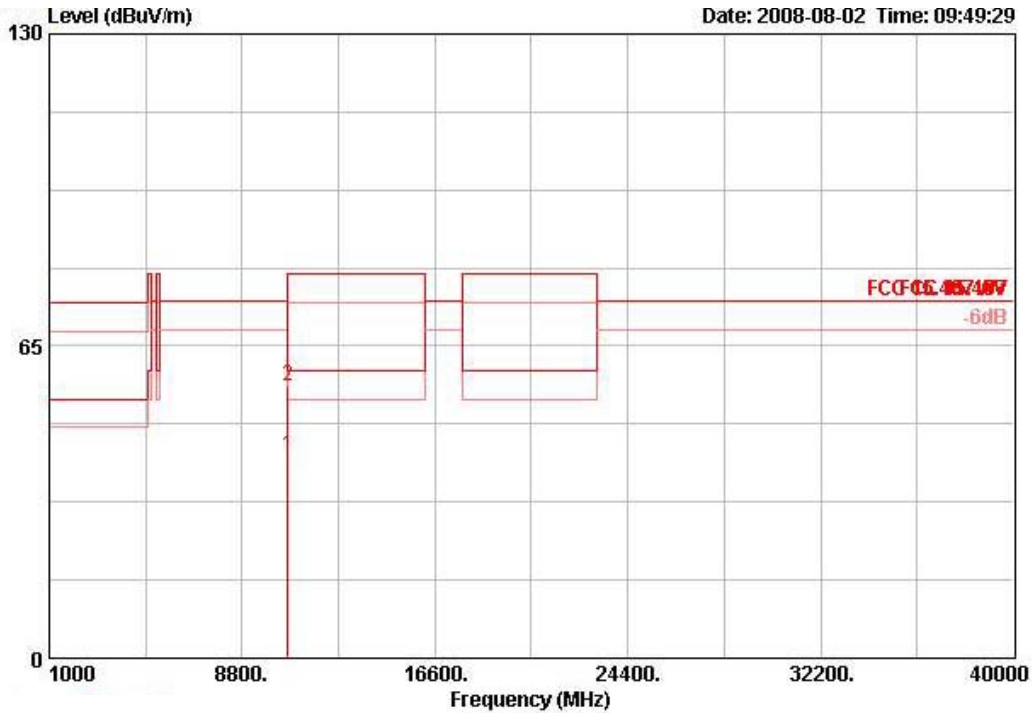
Vertical



	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 @	10597.220	66.95	-7.35	74.30	58.28	38.56	5.21	35.10	PEAK	100	169	VERTICAL
2 @	10601.620	51.10	-8.90	60.00	42.43	38.56	5.19	35.08	AVERAGE	100	169	VERTICAL
3 @	10601.980	65.28	-14.72	80.00	56.61	38.56	5.19	35.08	PEAK	100	169	VERTICAL

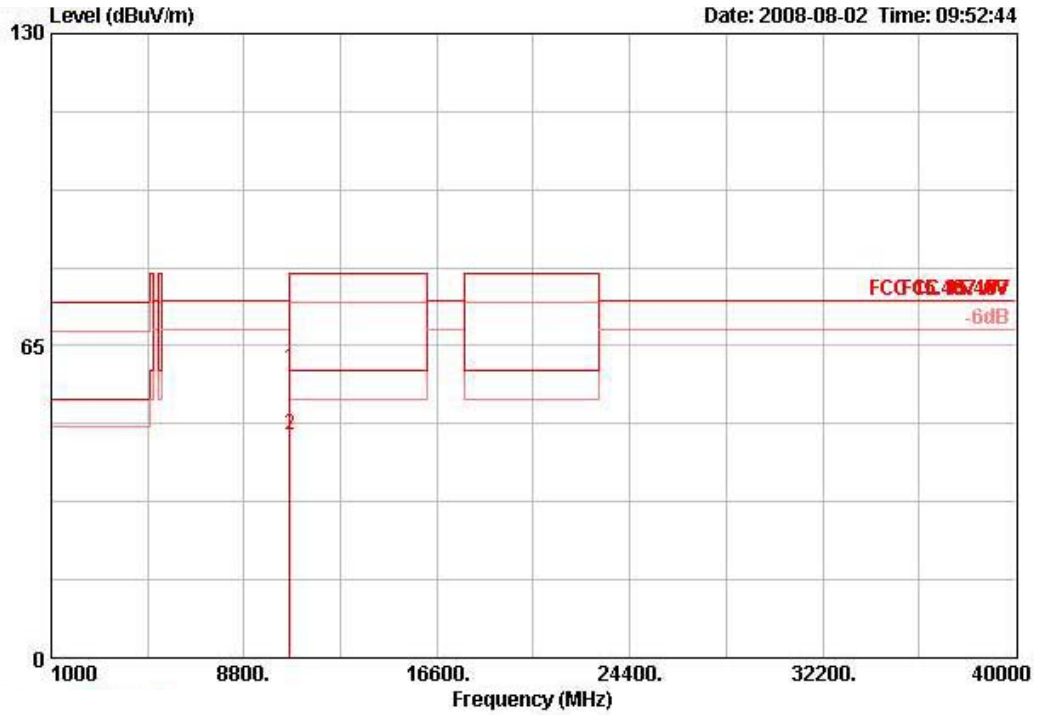
Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 64 / Ant. 5

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Table Pol/Phase
	MHz	dBUV/m	dB	dBUV/m	dBuV	dB/m	dB	dB		cm	deg	
1	10640.960	42.32	-17.68	60.00	33.65	38.54	5.17	35.05	AVERAGE	127	209	HORIZONTAL
2	10641.600	56.63	-23.37	80.00	47.96	38.54	5.17	35.05	PEAK	127	209	HORIZONTAL

Vertical

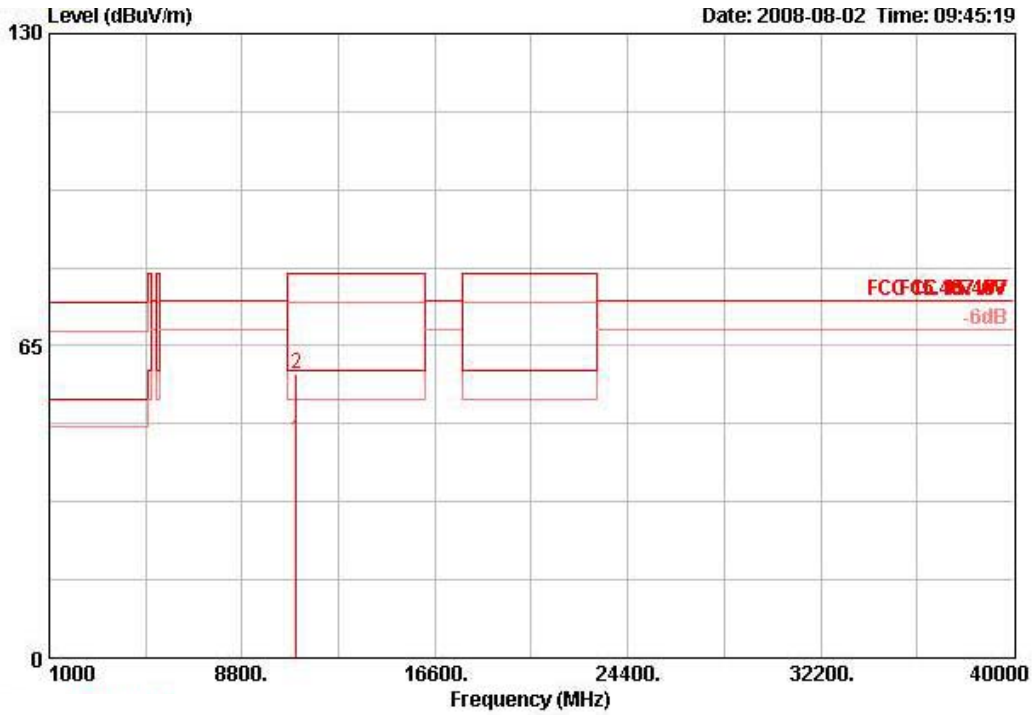


	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBUV/m	dB	dBUV/m	dBuV	dB/m	dB	dB		cm	deg	
1	10641.150	60.09	-19.91	80.00	51.42	38.54	5.17	35.05	PEAK	110	169	VERTICAL
2 @	10641.160	46.38	-13.62	60.00	37.71	38.54	5.17	35.05	AVERAGE	110	169	VERTICAL



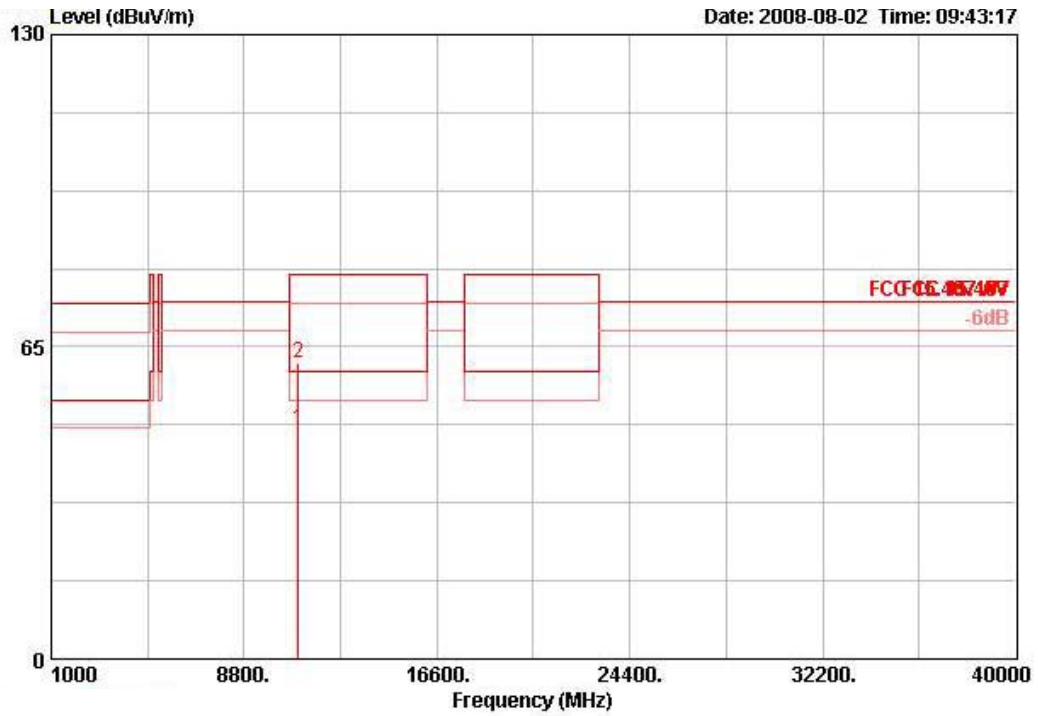
Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 100 / Ant. 5

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 @	10999.160	45.38	-14.62	60.00	36.74	38.40	4.93	34.69	AVERAGE	118	228	HORIZONTAL
2	10999.840	59.02	-20.98	80.00	50.38	38.40	4.93	34.69	PEAK	118	228	HORIZONTAL

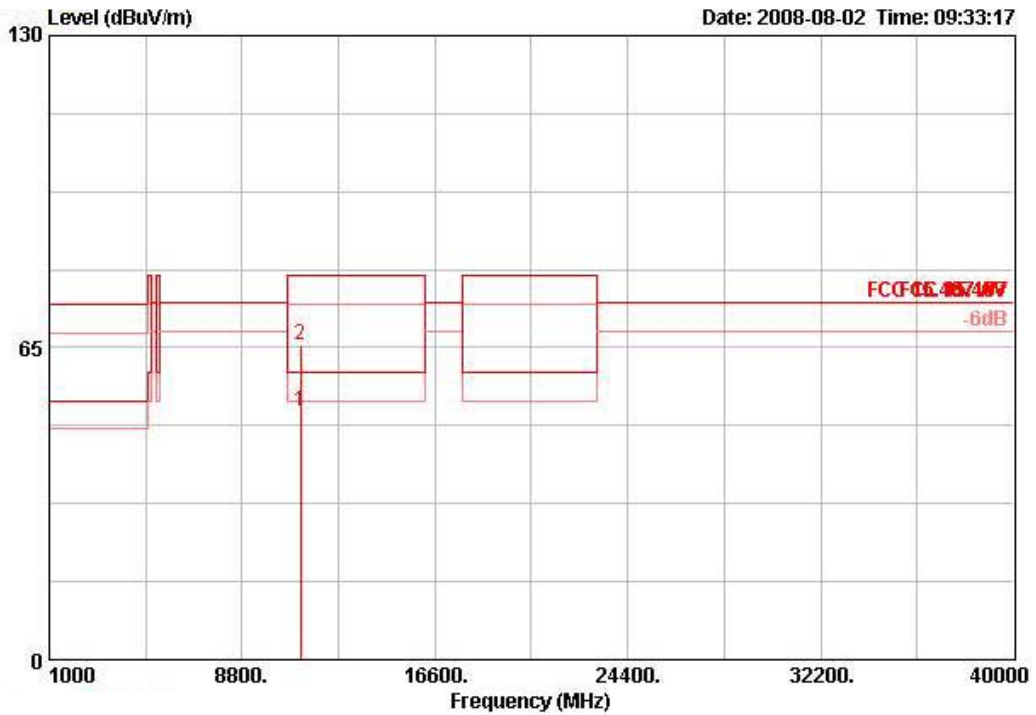
Vertical



	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 @	10999.400	47.86	-12.14	60.00	39.22	38.40	4.93	34.69	AVERAGE	113	169	VERTICAL
2	11000.400	61.77	-18.23	80.00	53.13	38.40	4.93	34.69	PEAK	113	169	VERTICAL

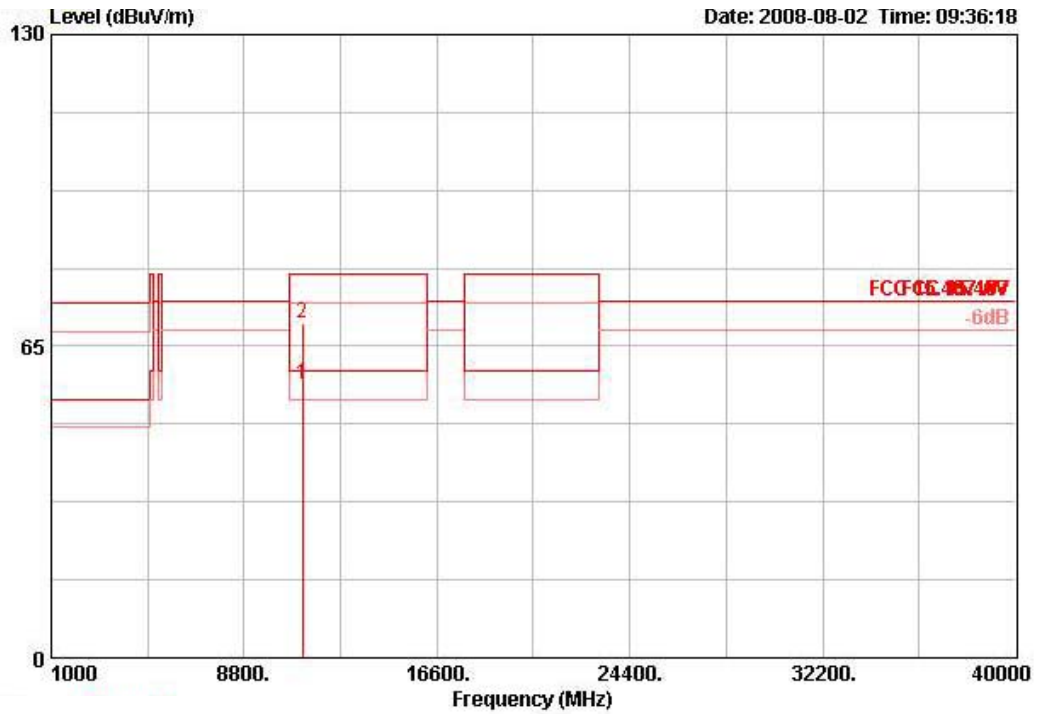
Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 116 / Ant. 5

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 @	11157.480	51.78	-8.22	60.00	43.06	38.43	5.00	34.71	AVERAGE	108	215	HORIZONTAL
2 @	11158.040	65.57	-14.43	80.00	56.84	38.43	5.00	34.71	PEAK	108	215	HORIZONTAL

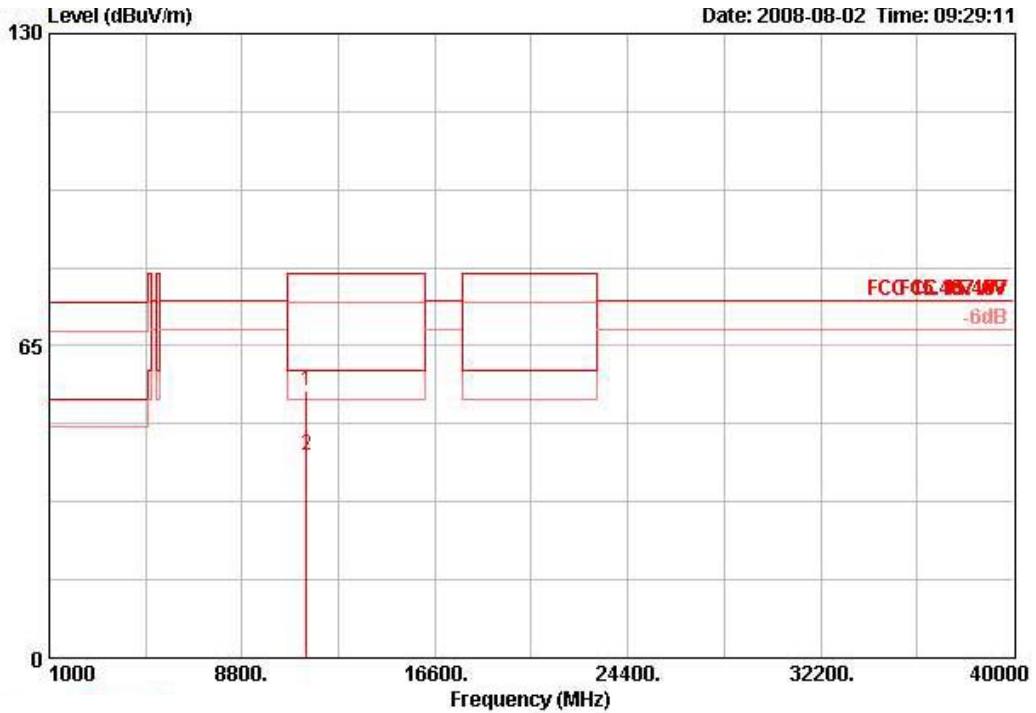
Vertical



	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 @	11157.640	56.96	-3.04	60.00	48.24	38.43	5.00	34.71	AVERAGE	108	176	VERTICAL
2 @	11158.520	69.84	-10.16	80.00	61.11	38.43	5.00	34.71	PEAK	108	176	VERTICAL

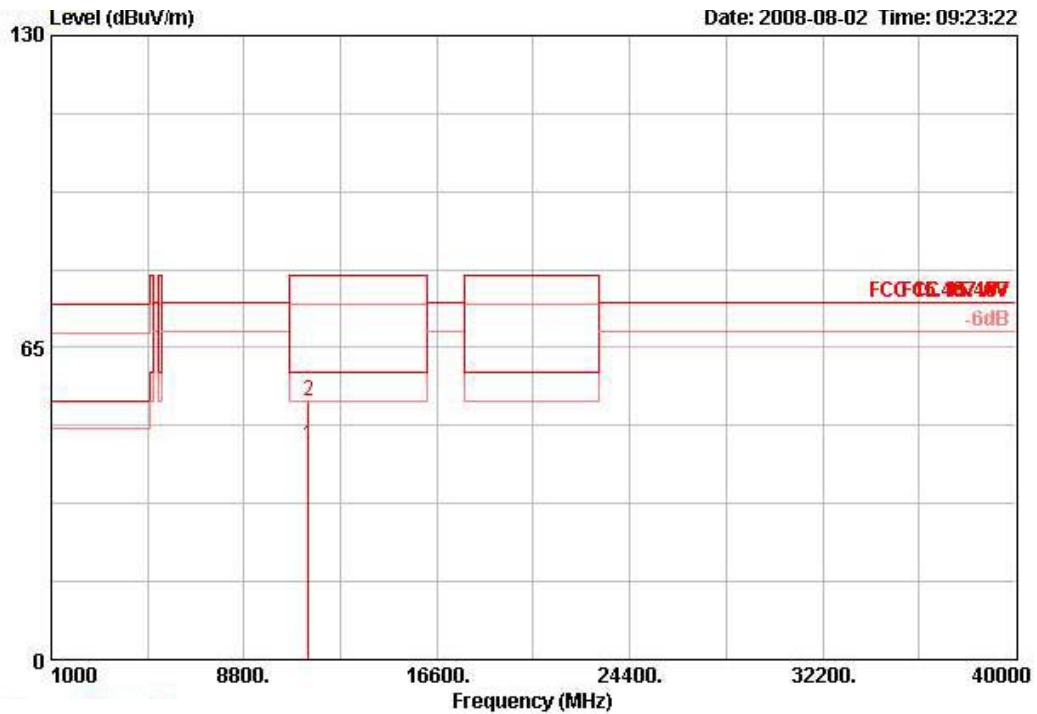
Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 140 / Ant. 5

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	11402.640	55.57	-24.43	80.00	46.73	38.48	5.11	34.74	PEAK	112	221	HORIZONTAL
2	11402.900	42.13	-17.87	60.00	33.28	38.48	5.11	34.74	AVERAGE	112	221	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	11402.780	44.72	-15.28	60.00	35.87	38.48	5.11	34.74	AVERAGE	113	172	VERTICAL
2	11402.840	54.00	-26.00	80.00	45.15	38.48	5.11	34.74	PEAK	113	172	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].

4.7. Band Edge Emissions Measurement

4.7.1. 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 (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

4.7.2. 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)	1 MHz / 1 MHz for Peak

4.7.3. Test Procedures

1. The test procedure is the same as section 4.6.3, 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.

4.7.4. Test Setup Layout

This test setup layout is the same as that shown in section 4.6.4.

4.7.5. Test Deviation

There is no deviation with the original standard.

4.7.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

4.7.7. Test Result of Band Edge and Fundamental Emissions

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 20MHz Ch 36, 40, 64 / Ant. 1
Test Date	Aug. 01, 2008		

Channel 36

	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 @	5150.000	55.55	-4.45	60.00	17.77	33.67	4.11	0.00	AVERAGE	100	119	VERTICAL
2 @	5150.000	67.23	-12.77	80.00	29.45	33.67	4.11	0.00	PEAK	100	119	VERTICAL
3 @	5174.800	119.25			81.43	33.70	4.12	0.00	PEAK	100	119	VERTICAL
4 @	5177.600	107.04			69.19	33.73	4.12	0.00	AVERAGE	100	119	VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 20MHz Ch 36, 40, 64 / Ant. 1
Test Date	Aug. 01, 2008		

Channel 40

	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 @	5146.000	65.52	-14.48	80.00	27.74	33.67	4.11	0.00	PEAK	100	115	VERTICAL
2 @	5150.000	55.43	-4.57	60.00	17.66	33.67	4.11	0.00	AVERAGE	100	115	VERTICAL
3 @	5195.200	105.56			67.67	33.76	4.13	0.00	AVERAGE	100	115	VERTICAL
4 @	5197.600	119.97			82.08	33.76	4.13	0.00	PEAK	100	115	VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 20MHz Ch 36, 40, 64 / Ant. 1
Test Date	Aug. 01, 2008		

Channel 64

	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 @	5316.400	107.30			69.13	33.97	4.20	0.00	AVERAGE	100	88	VERTICAL
2 @	5320.800	119.88			81.71	33.97	4.20	0.00	PEAK	100	88	VERTICAL
3 @	5350.000	56.58	-3.42	60.00	18.34	34.03	4.22	0.00	AVERAGE	100	88	VERTICAL
4 @	5350.000	68.03	-11.97	80.00	29.78	34.03	4.22	0.00	PEAK	100	88	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.



Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 20MHz Ch 100, 140 / Ant. 1
Test Date	Aug. 01, 2008		

Channel 100

	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 ☒	5460.000	67.46	-12.54	80.00	28.98	34.21	4.28	0.00	PEAK	100	92	VERTICAL
2 ☒	5460.000	55.87	-4.13	60.00	17.38	34.21	4.28	0.00	AVERAGE	100	92	VERTICAL
3 ☒	5470.000	66.74	-7.56	74.30	28.21	34.24	4.29	0.00	PEAK	100	92	VERTICAL
4 ☒	5498.200	107.17			68.61	34.26	4.30	0.00	AVERAGE	100	92	VERTICAL
5 ☒	5506.200	120.94			82.35	34.28	4.30	0.00	PEAK	100	92	VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 20MHz Ch 100, 140 / Ant. 1
Test Date	Aug. 01, 2008		

Channel 140

	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 ☒	5694.600	121.66			82.95	34.34	4.37	0.00	PEAK	100	111	VERTICAL
2 ☒	5698.600	108.03			69.31	34.34	4.38	0.00	AVERAGE	100	111	VERTICAL
3 ☒	5725.000	70.82	-3.48	74.30	32.09	34.34	4.39	0.00	PEAK	100	111	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.



Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 38, 54, 62 / Ant. 1
Test Date	Aug. 01, 2008		

Channel 38

	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 @	5150.000	58.76	-1.24	60.00	20.98	33.67	4.11	0.00	AVERAGE	100	107	VERTICAL
2 @	5150.000	69.99	-10.01	80.00	32.21	33.67	4.11	0.00	PEAK	100	107	VERTICAL
3 @	5184.800	101.99			64.14	33.73	4.12	0.00	AVERAGE	100	107	VERTICAL
4 @	5186.000	114.44			76.60	33.73	4.12	0.00	PEAK	100	107	VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 38, 54, 62 / Ant. 1
Test Date	Aug. 01, 2008		

Channel 54

	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 @	5263.600	105.32			67.26	33.88	4.18	0.00	AVERAGE	100	83	VERTICAL
2 @	5279.600	116.87			78.82	33.88	4.18	0.00	PEAK	100	83	VERTICAL
3 @	5350.000	56.68	-3.32	60.00	18.43	34.03	4.22	0.00	AVERAGE	100	83	VERTICAL
4 @	5350.000	67.25	-12.75	80.00	29.00	34.03	4.22	0.00	PEAK	100	83	VERTICAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 38, 54, 62 / Ant. 1
Test Date	Aug. 04, 2008		

Channel 62

	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 @	5315.000	99.85			61.67	33.97	4.20	0.00	AVERAGE	100	87	VERTICAL
2 @	5316.400	113.63			75.46	33.97	4.20	0.00	PEAK	100	87	VERTICAL
3 @	5350.000	69.41	-10.59	80.00	31.16	34.03	4.22	0.00	PEAK	100	87	VERTICAL
4 @	5350.000	57.36	-2.64	60.00	19.11	34.03	4.22	0.00	AVERAGE	100	87	VERTICAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 102, 110, 134 / Ant. 1
Test Date	Aug. 04, 2008		

Channel 102

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Remark	Ant	Table	Pol/Phase
			Limit	Line	Level	Factor	Loss	Factor		Pos	Pos	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	5460.000	70.12	-9.88	80.00	31.64	34.21	4.28	0.00	PEAK	100	105	VERTICAL
2 @	5460.000	56.38	-3.62	60.00	17.89	34.21	4.28	0.00	AVERAGE	100	105	VERTICAL
3 @	5470.000	69.56	-4.74	74.30	31.03	34.24	4.29	0.00	PEAK	100	105	VERTICAL
4 @	5505.000	101.98			63.40	34.28	4.30	0.00	AVERAGE	100	105	VERTICAL
5 @	5516.400	115.69			77.10	34.28	4.30	0.00	PEAK	100	105	VERTICAL

Item 4, 5 are the fundamental frequency at 5510 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 102, 110, 134 / Ant. 1
Test Date	Aug. 04, 2008		

Channel 110

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Remark	Ant	Table	Pol/Phase
			Limit	Line	Level	Factor	Loss	Factor		Pos	Pos	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	5460.000	70.02	-9.98	80.00	31.54	34.21	4.28	0.00	PEAK	100	78	VERTICAL
2 @	5460.000	58.42	-1.58	60.00	19.94	34.21	4.28	0.00	AVERAGE	100	78	VERTICAL
3 @	5470.000	71.85	-2.45	74.30	33.32	34.24	4.29	0.00	PEAK	100	78	VERTICAL
4 @	5534.800	120.47			81.86	34.30	4.31	0.00	PEAK	100	78	VERTICAL
5 @	5545.000	109.43			70.80	34.31	4.32	0.00	AVERAGE	100	78	VERTICAL

Item 4, 5 are the fundamental frequency at 5550 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 102, 110, 134 / Ant. 1
Test Date	Aug. 04, 2008		

Channel 134

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Remark	Ant	Table	Pol/Phase
			Limit	Line	Level	Factor	Loss	Factor		Pos	Pos	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	5662.000	107.32			68.63	34.33	4.36	0.00	AVERAGE	100	85	VERTICAL
2 @	5679.200	120.29			81.58	34.33	4.37	0.00	PEAK	100	85	VERTICAL
3 @	5725.000	71.99	-2.31	74.30	33.25	34.34	4.39	0.00	PEAK	100	85	VERTICAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 36, 40, 64 / Ant. 1
Test Date	Aug. 01, 2008		

Channel 36

	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 ☒	5150.000	55.55	-4.45	60.00	17.77	33.67	4.11	0.00	AVERAGE	100	99	VERTICAL
2 ☒	5150.000	66.60	-13.40	80.00	28.83	33.67	4.11	0.00	PEAK	100	99	VERTICAL
3 ☒	5175.400	120.06			82.24	33.70	4.12	0.00	PEAK	100	99	VERTICAL
4 ☒	5177.000	107.34			69.52	33.70	4.12	0.00	AVERAGE	100	99	VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 36, 40, 64 / Ant. 1
Test Date	Aug. 01, 2008		

Channel 40

	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 ☒	5146.000	65.52	-14.48	80.00	27.74	33.67	4.11	0.00	PEAK	100	115	VERTICAL
2 ☒	5150.000	55.43	-4.57	60.00	17.66	33.67	4.11	0.00	AVERAGE	100	115	VERTICAL
3 ☒	5195.200	105.56			67.67	33.76	4.13	0.00	AVERAGE	100	115	VERTICAL
4 ☒	5197.600	119.97			82.08	33.76	4.13	0.00	PEAK	100	115	VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 36, 40, 64 / Ant. 1
Test Date	Aug. 01, 2008		

Channel 64

	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 ☒	5315.200	120.91			82.73	33.97	4.20	0.00	PEAK	100	90	VERTICAL
2 ☒	5321.200	108.87			70.70	33.97	4.20	0.00	AVERAGE	100	90	VERTICAL
3 ☒	5350.000	56.60	-3.40	60.00	18.35	34.03	4.22	0.00	AVERAGE	100	90	VERTICAL
4 ☒	5350.000	67.27	-12.73	80.00	29.02	34.03	4.22	0.00	PEAK	100	90	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 100, 140 / Ant. 1
Test Date	Aug. 01, 2008		

Channel 100

	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 ☒	5460.000	55.89	-4.11	60.00	17.40	34.21	4.28	0.00	AVERAGE	100	95	VERTICAL
2 ☒	5460.000	67.03	-12.97	80.00	28.54	34.21	4.28	0.00	PEAK	100	95	VERTICAL
3 ☒	5470.000	66.26	-8.04	74.30	27.73	34.24	4.29	0.00	PEAK	100	95	VERTICAL
4 ☒	5498.400	109.24			70.67	34.26	4.30	0.00	AVERAGE	100	95	VERTICAL
5 ☒	5503.000	123.41			84.83	34.28	4.30	0.00	PEAK	100	95	VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 100, 140 / Ant. 1
Test Date	Aug. 01, 2008		

Channel 140

	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 ☒	5705.000	107.46			68.74	34.34	4.38	0.00	AVERAGE	100	99	VERTICAL
2 ☒	5705.000	120.86			82.14	34.34	4.38	0.00	PEAK	100	99	VERTICAL
3 ☒	5726.600	74.00	-0.30	74.30	35.26	34.34	4.39	0.00	PEAK	100	99	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Note:

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 from 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	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 20MHz Ch 36, 40, 64 / Ant. 2
Test Date	Aug. 03, 2008		

Channel 36

	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 ☒	5148.000	68.14	-11.86	80.00	30.36	33.67	4.11	0.00	PEAK	127	327	HORIZONTAL
2 ☒	5150.000	55.56	-4.44	60.00	17.79	33.67	4.11	0.00	AVERAGE	127	327	HORIZONTAL
3 ☒	5181.200	119.41			81.56	33.73	4.12	0.00	PEAK	127	327	HORIZONTAL
4 ☒	5181.200	106.49			68.64	33.73	4.12	0.00	AVERAGE	127	327	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 20MHz Ch 36, 40, 64 / Ant. 2
Test Date	Aug. 03, 2008		

Channel 40

	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 ☒	5150.000	55.50	-4.50	60.00	17.72	33.67	4.11	0.00	AVERAGE	124	322	HORIZONTAL
2 ☒	5150.000	66.63	-13.37	80.00	28.85	33.67	4.11	0.00	PEAK	124	322	HORIZONTAL
3 ☒	5199.000	119.16			81.27	33.76	4.13	0.00	PEAK	124	322	HORIZONTAL
4 ☒	5202.800	106.51			68.62	33.76	4.13	0.00	AVERAGE	124	322	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 20MHz Ch 36, 40, 64 / Ant. 2
Test Date	Aug. 03, 2008		

Channel 64

	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 ☒	5317.600	108.77			70.59	33.97	4.20	0.00	AVERAGE	131	320	HORIZONTAL
2 ☒	5322.600	121.77			83.59	33.97	4.20	0.00	PEAK	131	320	HORIZONTAL
3 ☒	5350.000	56.83	-3.17	60.00	18.58	34.03	4.22	0.00	AVERAGE	131	320	HORIZONTAL
4 ☒	5351.000	71.96	-8.04	80.00	33.71	34.03	4.22	0.00	PEAK	131	320	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5320 MHz.



Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 20MHz Ch 100, 140 / Ant. 2
Test Date	Aug. 03, 2008		

Channel 100

	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 ☐	5459.600	69.35	-10.65	80.00	30.89	34.19	4.28	0.00	PEAK	124	229	HORIZONTAL
2 ☐	5460.000	56.28	-3.72	60.00	17.81	34.19	4.28	0.00	AVERAGE	124	229	HORIZONTAL
3 ☐	5468.400	71.63	-2.67	74.30	33.13	34.21	4.29	0.00	PEAK	124	229	HORIZONTAL
4 ☐	5497.600	123.55			85.02	34.23	4.30	0.00	PEAK	124	229	HORIZONTAL
5 ☐	5497.800	109.83			71.30	34.23	4.30	0.00	AVERAGE	124	229	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 20MHz Ch 100, 140 / Ant. 2
Test Date	Aug. 03, 2008		

Channel 140

	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 ☐	5698.000	110.40			71.68	34.34	4.38	0.00	AVERAGE	123	231	HORIZONTAL
2 ☐	5701.400	124.13			85.41	34.34	4.38	0.00	PEAK	123	231	HORIZONTAL
3 ☐	5725.200	73.85	-0.45	74.30	35.11	34.34	4.39	0.00	PEAK	123	231	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5700 MHz.



Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 38, 54, 62 / Ant. 2
Test Date	Aug. 03, 2008		

Channel 38

	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 @	5150.000	58.87	-1.13	60.00	21.09	33.67	4.11	0.00	AVERAGE	126	321	HORIZONTAL
2 @	5150.000	71.09	-8.91	80.00	33.32	33.67	4.11	0.00	PEAK	126	321	HORIZONTAL
3 @	5177.600	102.48			64.63	33.73	4.12	0.00	AVERAGE	126	321	HORIZONTAL
4 @	5181.200	115.37			77.52	33.73	4.12	0.00	PEAK	126	321	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 38, 54, 62 / Ant. 2
Test Date	Aug. 03, 2008		

Channel 54

	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 @	5260.400	119.83			81.82	33.85	4.16	0.00	PEAK	126	231	HORIZONTAL
2 @	5284.400	106.46			68.37	33.91	4.18	0.00	AVERAGE	126	231	HORIZONTAL
3 @	5350.000	57.01	-2.99	60.00	18.76	34.03	4.22	0.00	AVERAGE	126	231	HORIZONTAL
4 @	5350.000	68.64	-11.36	80.00	30.39	34.03	4.22	0.00	PEAK	126	231	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 38, 54, 62 / Ant. 2
Test Date	Aug. 03, 2008		

Channel 62

	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 @	5294.000	115.37			77.27	33.91	4.19	0.00	PEAK	124	322	HORIZONTAL
2 @	5314.800	102.38			64.20	33.97	4.20	0.00	AVERAGE	124	322	HORIZONTAL
3 @	5350.000	58.25	-1.75	60.00	20.00	34.03	4.22	0.00	AVERAGE	124	322	HORIZONTAL
4 @	5350.000	70.35	-9.65	80.00	32.10	34.03	4.22	0.00	PEAK	124	322	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 102, 110, 134 / Ant. 2
Test Date	Aug. 03, 2008		

Channel 102

	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 @	5460.000	70.87	-9.13	80.00	32.40	34.19	4.28	0.00	PEAK	121	315	HORIZONTAL
2 @	5460.000	56.88	-3.12	60.00	18.42	34.19	4.28	0.00	AVERAGE	121	315	HORIZONTAL
3 @	5469.200	73.92	-0.38	74.30	35.42	34.21	4.29	0.00	PEAK	121	315	HORIZONTAL
4 @	5504.400	104.23			65.68	34.25	4.30	0.00	AVERAGE	121	315	HORIZONTAL
5 @	5515.200	117.70			79.15	34.25	4.30	0.00	PEAK	121	315	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5510 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 102, 110, 134 / Ant. 2
Test Date	Aug. 03, 2008		

Channel 110

	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 @	5459.200	70.39	-9.61	80.00	31.93	34.19	4.28	0.00	PEAK	121	322	HORIZONTAL
2 @	5460.000	57.26	-2.74	60.00	18.79	34.19	4.28	0.00	AVERAGE	121	322	HORIZONTAL
3 @	5467.200	72.98	-1.32	74.30	34.49	34.21	4.28	0.00	PEAK	121	322	HORIZONTAL
4 @	5541.200	107.73			69.13	34.29	4.31	0.00	AVERAGE	121	322	HORIZONTAL
5 @	5541.600	121.03			82.43	34.29	4.31	0.00	PEAK	121	322	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5550 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 102, 110, 134 / Ant. 2
Test Date	Aug. 03, 2008		

Channel 134

	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 @	5655.200	107.86			69.17	34.33	4.36	0.00	AVERAGE	126	317	HORIZONTAL
2 @	5676.400	121.28			82.57	34.33	4.37	0.00	PEAK	126	317	HORIZONTAL
3 @	5727.400	74.20	-0.10	74.30	35.47	34.34	4.39	0.00	PEAK	126	317	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 36, 40, 64 / Ant. 2
Test Date	Aug. 03, 2008		

Channel 36

	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 ☺	5147.800	67.74	-12.26	80.00	29.97	33.67	4.11	0.00	PEAK	134	311	HORIZONTAL
2 ☺	5150.000	55.54	-4.46	60.00	17.77	33.67	4.11	0.00	AVERAGE	134	311	HORIZONTAL
3 ☺	5182.600	107.94			70.09	33.73	4.12	0.00	AVERAGE	134	311	HORIZONTAL
4 ☺	5184.400	120.59			82.74	33.73	4.12	0.00	PEAK	134	311	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 36, 40, 64 / Ant. 2
Test Date	Aug. 03, 2008		

Channel 40

	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 ☺	5150.000	55.43	-4.57	60.00	17.65	33.67	4.11	0.00	AVERAGE	129	322	HORIZONTAL
2	5150.000	65.84	-14.16	80.00	28.07	33.67	4.11	0.00	PEAK	129	322	HORIZONTAL
3 ☺	5197.200	121.14			83.25	33.76	4.13	0.00	PEAK	129	322	HORIZONTAL
4 ☺	5202.200	108.73			70.84	33.76	4.13	0.00	AVERAGE	129	322	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 36, 40, 64 / Ant. 2
Test Date	Aug. 01, 2008		

Channel 64

	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 ☺	5317.800	110.41			72.24	33.97	4.20	0.00	AVERAGE	129	316	HORIZONTAL
2 ☺	5322.000	121.45			83.28	33.97	4.20	0.00	PEAK	129	316	HORIZONTAL
3 ☺	5350.000	56.63	-3.37	60.00	18.38	34.03	4.22	0.00	AVERAGE	129	316	HORIZONTAL
4 ☺	5351.600	70.78	-9.22	80.00	32.53	34.03	4.22	0.00	PEAK	129	316	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5320 MHz.



Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 100, 140 / Ant. 2
Test Date	Aug. 03, 2008		

Channel 100

	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 ☺	5460.000	68.38	-11.62	80.00	29.91	34.19	4.28	0.00	PEAK	122	321	HORIZONTAL
2 ☺	5460.000	56.06	-3.94	60.00	17.60	34.19	4.28	0.00	AVERAGE	122	321	HORIZONTAL
3 ☺	5469.000	73.39	-0.91	74.30	34.89	34.21	4.29	0.00	PEAK	122	321	HORIZONTAL
4 ☺	5497.200	110.78			72.25	34.23	4.30	0.00	AVERAGE	122	321	HORIZONTAL
5 ☺	5498.200	124.00			85.47	34.23	4.30	0.00	PEAK	122	321	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 100, 140 / Ant. 2
Test Date	Aug. 03, 2008		

Channel 140

	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 ☺	5693.600	111.28			72.57	34.34	4.37	0.00	AVERAGE	132	317	HORIZONTAL
2 ☺	5698.400	124.83			86.11	34.34	4.38	0.00	PEAK	132	317	HORIZONTAL
3 ☺	5725.400	74.12	-0.18	74.30	35.38	34.34	4.39	0.00	PEAK	132	317	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Note:

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 from 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	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 20MHz Ch 36, 40, 64 / Ant. 3
Test Date	Aug. 11, 2008		

Channel 36

	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 ☺	5145.600	67.18	-12.82	80.00	29.40	33.67	4.11	0.00	PEAK	123	61	HORIZONTAL
2 ☺	5150.000	55.28	-4.72	60.00	17.51	33.67	4.11	0.00	AVERAGE	123	61	HORIZONTAL
3 ☺	5179.000	103.95			66.10	33.73	4.12	0.00	AVERAGE	123	61	HORIZONTAL
4 ☺	5181.000	118.32			80.47	33.73	4.12	0.00	PEAK	123	61	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 20MHz Ch 36, 40, 64 / Ant. 3
Test Date	Aug. 11, 2008		

Channel 40

	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 ☺	5150.000	55.22	-4.78	60.00	17.45	33.67	4.11	0.00	AVERAGE	119	140	HORIZONTAL
2 ☺	5150.000	66.27	-13.73	80.00	28.49	33.67	4.11	0.00	PEAK	119	140	HORIZONTAL
3 ☺	5198.000	101.72			63.83	33.76	4.13	0.00	AVERAGE	119	140	HORIZONTAL
4 ☺	5201.600	115.85			77.95	33.76	4.13	0.00	PEAK	119	140	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 20MHz Ch 36, 40, 64 / Ant. 3
Test Date	Aug. 11, 2008		

Channel 64

	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 ☺	5322.600	117.01			78.83	33.97	4.20	0.00	PEAK	117	75	HORIZONTAL
2 ☺	5323.400	103.84			65.66	33.97	4.20	0.00	AVERAGE	117	75	HORIZONTAL
3 ☺	5350.000	56.21	-3.79	60.00	17.96	34.03	4.22	0.00	AVERAGE	117	75	HORIZONTAL
4 ☺	5362.000	68.91	-11.09	80.00	30.66	34.03	4.22	0.00	PEAK	117	75	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5320 MHz.



Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 20MHz Ch 100, 140 / Ant. 3
Test Date	Aug. 11, 2008		

Channel 100

	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 @	5457.600	68.94	-11.06	80.00	30.47	34.19	4.28	0.00	PEAK	116	60	HORIZONTAL
2 @	5460.000	55.87	-4.13	60.00	17.40	34.19	4.28	0.00	AVERAGE	116	60	HORIZONTAL
3 @	5470.000	69.74	-4.56	74.30	31.24	34.21	4.29	0.00	PEAK	116	60	HORIZONTAL
4 @	5494.400	121.04			82.51	34.23	4.30	0.00	PEAK	116	60	HORIZONTAL
5 @	5498.600	108.30			69.77	34.23	4.30	0.00	AVERAGE	116	60	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 20MHz Ch 100, 140 / Ant. 3
Test Date	Aug. 11, 2008		

Channel 140

	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 @	5697.400	120.86			82.15	34.34	4.37	0.00	PEAK	114	58	HORIZONTAL
2 @	5701.200	107.58			68.86	34.34	4.38	0.00	AVERAGE	114	58	HORIZONTAL
3 @	5726.200	72.42	-1.88	74.30	33.68	34.34	4.39	0.00	PEAK	114	58	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 38, 54, 62 / Ant. 3
Test Date	Aug. 11, 2008		

Channel 38

	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 @	5147.200	69.74	-10.26	80.00	31.97	33.67	4.11	0.00	PEAK	121	59	HORIZONTAL
2 @	5150.000	57.41	-2.59	60.00	19.64	33.67	4.11	0.00	AVERAGE	121	59	HORIZONTAL
3 @	5172.800	99.38			61.56	33.70	4.12	0.00	AVERAGE	121	59	HORIZONTAL
4 @	5176.000	112.73			74.91	33.70	4.12	0.00	PEAK	121	59	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 38, 54, 62 / Ant. 3
Test Date	Aug. 11, 2008		

Channel 54

	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 @	5258.000	102.64			64.63	33.85	4.16	0.00	AVERAGE	121	67	HORIZONTAL
2 @	5258.400	114.57			76.56	33.85	4.16	0.00	PEAK	121	67	HORIZONTAL
3 @	5350.000	56.41	-3.59	60.00	18.16	34.03	4.22	0.00	AVERAGE	121	67	HORIZONTAL
4 @	5359.200	68.60	-11.40	80.00	30.35	34.03	4.22	0.00	PEAK	121	67	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 38, 54, 62 / Ant. 3
Test Date	Aug. 11, 2008		

Channel 62

	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 @	5315.200	109.44			71.26	33.97	4.20	0.00	PEAK	100	74	HORIZONTAL
2 @	5316.000	97.36			59.19	33.97	4.20	0.00	AVERAGE	100	74	HORIZONTAL
3 @	5350.000	56.70	-3.30	60.00	18.45	34.03	4.22	0.00	AVERAGE	100	74	HORIZONTAL
4 @	5362.000	69.23	-10.77	80.00	30.99	34.03	4.22	0.00	PEAK	100	74	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 102, 110, 134 / Ant. 3
Test Date	Aug. 11, 2008		

Channel 102

	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 @	5444.400	68.71	-11.29	80.00	30.26	34.17	4.28	0.00	PEAK	100	64	HORIZONTAL
2 @	5460.000	56.11	-3.89	60.00	17.64	34.19	4.28	0.00	AVERAGE	100	64	HORIZONTAL
3 @	5466.800	71.59	-2.71	74.30	33.12	34.19	4.28	0.00	PEAK	100	64	HORIZONTAL
4 @	5518.800	100.68			62.11	34.27	4.30	0.00	AVERAGE	100	64	HORIZONTAL
5 @	5520.000	113.96			75.38	34.27	4.31	0.00	PEAK	100	64	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5510 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 102, 110, 134 / Ant. 3
Test Date	Aug. 12, 2008		

Channel 110

	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	5660.400	107.41			68.72	34.33	4.36	0.00	AVERAGE	116	53	HORIZONTAL
2 @	5664.400	119.87			81.18	34.33	4.36	0.00	PEAK	116	53	HORIZONTAL
3 !	5727.800	73.81	-0.49	74.30	35.08	34.34	4.39	0.00	PEAK	116	53	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5550 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 102, 110, 134 / Ant. 3
Test Date	Aug. 12, 2008		

Channel 134

	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	5458.000	69.96	-10.04	80.00	31.49	34.19	4.28	0.00	PEAK	115	63	HORIZONTAL
2 !	5460.000	56.95	-3.05	60.00	18.49	34.19	4.28	0.00	AVERAGE	115	63	HORIZONTAL
3 !	5464.800	71.53	-2.77	74.30	33.06	34.19	4.28	0.00	PEAK	115	63	HORIZONTAL
4 over	5544.000	107.14			68.54	34.29	4.31	0.00	AVERAGE	115	63	HORIZONTAL
5 @	5562.000	119.40			80.77	34.31	4.32	0.00	PEAK	115	63	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 36, 40, 64 / Ant. 3
Test Date	Aug. 11, 2008		

Channel 36

	Freq	Level	Over	Limit	ReadAntenna		Cable	Preamp	Remark	Ant	Table	Pol/Phase
			Limit	Line	Level	Factor	Loss	Factor		Pos	Pos	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 ☒	5147.400	68.10	-11.90	80.00	30.33	33.67	4.11	0.00	PEAK	114	58	HORIZONTAL
2 ☒	5150.000	55.52	-4.48	60.00	17.74	33.67	4.11	0.00	AVERAGE	114	58	HORIZONTAL
3 ☒	5176.200	106.27			68.46	33.70	4.12	0.00	AVERAGE	114	58	HORIZONTAL
4 ☒	5184.200	118.02			80.17	33.73	4.12	0.00	PEAK	114	58	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 36, 40, 64 / Ant. 3
Test Date	Aug. 11, 2008		

Channel 40

	Freq	Level	Over	Limit	ReadAntenna		Cable	Preamp	Remark	Ant	Table	Pol/Phase
			Limit	Line	Level	Factor	Loss	Factor		Pos	Pos	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 !	5150.000	55.25	-4.75	60.00	17.47	33.67	4.11	0.00	AVERAGE	114	65	HORIZONTAL
2	5150.000	65.47	-14.53	80.00	27.69	33.67	4.11	0.00	PEAK	114	65	HORIZONTAL
3 ☒	5196.000	103.62			65.73	33.76	4.13	0.00	AVERAGE	114	65	HORIZONTAL
4 ☒	5198.400	117.53			79.64	33.76	4.13	0.00	PEAK	114	65	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 36, 40, 64 / Ant. 3
Test Date	Aug. 11, 2008		

Channel 64

	Freq	Level	Over	Limit	ReadAntenna		Cable	Preamp	Remark	Ant	Table	Pol/Phase
			Limit	Line	Level	Factor	Loss	Factor		Pos	Pos	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 ☒	5317.000	107.03			68.86	33.97	4.20	0.00	AVERAGE	112	49	HORIZONTAL
2 ☒	5318.200	119.25			81.08	33.97	4.20	0.00	PEAK	112	49	HORIZONTAL
3 ☒	5350.000	56.24	-3.76	60.00	18.00	34.03	4.22	0.00	AVERAGE	112	49	HORIZONTAL
4 ☒	5351.400	68.98	-11.02	80.00	30.73	34.03	4.22	0.00	PEAK	112	49	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5320 MHz.



Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 100, 140 / Ant. 3
Test Date	Aug. 11, 2008		

Channel 100

	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 ☒	5455.400	65.83	-14.17	80.00	27.36	34.19	4.28	0.00	PEAK	119	57	HORIZONTAL
2 ☒	5460.000	55.86	-4.14	60.00	17.39	34.19	4.28	0.00	AVERAGE	119	57	HORIZONTAL
3 ☒	5467.600	68.64	-5.66	74.30	30.16	34.21	4.28	0.00	PEAK	119	57	HORIZONTAL
4 ☒	5497.400	107.84			69.31	34.23	4.30	0.00	AVERAGE	119	57	HORIZONTAL
5 ☒	5505.200	120.76			82.21	34.25	4.30	0.00	PEAK	119	57	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 100, 140 / Ant. 3
Test Date	Aug. 11, 2008		

Channel 140

	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 ☒	5698.600	120.98			82.26	34.34	4.38	0.00	PEAK	100	53	HORIZONTAL
2 ☒	5698.800	108.17			69.45	34.34	4.38	0.00	AVERAGE	100	53	HORIZONTAL
3 ☒	5725.000	72.64	-1.66	74.30	33.90	34.34	4.39	0.00	PEAK	100	53	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Note:

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 from 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	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 20MHz Ch 36, 40, 64 / Ant. 4
Test Date	Aug. 05, 2008		

Channel 36

	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 !	5150.000	55.94	-4.06	60.00	18.16	33.67	4.11	0.00	AVERAGE	100	283	VERTICAL
2	5150.000	67.30	-12.70	80.00	29.52	33.67	4.11	0.00	PEAK	100	283	VERTICAL
3 @	5182.600	121.61			83.76	33.73	4.12	0.00	PEAK	100	283	VERTICAL
4 over	5182.600	109.29			71.44	33.73	4.12	0.00	AVERAGE	100	283	VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 20MHz Ch 36, 40, 64 / Ant. 4
Test Date	Aug. 05, 2008		

Channel 40

	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	5148.800	68.22	-11.78	80.00	30.44	33.67	4.11	0.00	PEAK	100	282	VERTICAL
2 !	5150.000	55.62	-4.38	60.00	17.85	33.67	4.11	0.00	AVERAGE	100	282	VERTICAL
3 @	5195.200	122.18			84.28	33.76	4.13	0.00	PEAK	100	282	VERTICAL
4 over	5198.400	108.89			71.00	33.76	4.13	0.00	AVERAGE	100	282	VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 20MHz Ch 36, 40, 64 / Ant. 4
Test Date	Aug. 05, 2008		

Channel 64

	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 over	5322.400	110.93			72.75	33.97	4.20	0.00	AVERAGE	100	278	VERTICAL
2 @	5324.000	122.61			84.44	33.97	4.20	0.00	PEAK	100	278	VERTICAL
3	5350.000	69.51	-10.49	80.00	31.26	34.03	4.22	0.00	PEAK	100	278	VERTICAL
4 !	5350.000	57.11	-2.89	60.00	18.86	34.03	4.22	0.00	AVERAGE	100	278	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.



Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 20MHz Ch 100, 140 / Ant. 4
Test Date	Aug. 05, 2008		

Channel 100

	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 !	5460.000	56.28	-3.72	60.00	17.79	34.21	4.28	0.00	AVERAGE	100	273	VERTICAL
2	5460.000	67.38	-12.62	80.00	28.89	34.21	4.28	0.00	PEAK	100	273	VERTICAL
3 !	5470.000	70.03	-4.27	74.30	31.50	34.24	4.29	0.00	PEAK	100	273	VERTICAL
4 @	5494.600	125.18			86.62	34.26	4.30	0.00	PEAK	100	273	VERTICAL
5 over	5498.400	111.83			73.26	34.26	4.30	0.00	AVERAGE	100	273	VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 20MHz Ch 100, 140 / Ant. 4
Test Date	Aug. 05, 2008		

Channel 140

	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 @	5693.200	124.51			85.80	34.34	4.37	0.00	PEAK	100	289	VERTICAL
2 over	5697.800	111.48			72.76	34.34	4.38	0.00	AVERAGE	100	289	VERTICAL
3 !	5725.000	73.38	-0.92	74.30	34.65	34.34	4.39	0.00	PEAK	100	289	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 38, 54, 62 / Ant. 4
Test Date	Aug. 05, 2008		

Channel 38

	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 !	5150.000	59.92	-0.08	60.00	22.15	33.67	4.11	0.00	AVERAGE	100	282	VERTICAL
2	5150.000	71.17	-8.83	80.00	33.39	33.67	4.11	0.00	PEAK	100	282	VERTICAL
3 over	5174.800	117.27			79.45	33.70	4.12	0.00	PEAK	100	282	VERTICAL
4 over	5177.200	104.85			67.03	33.70	4.12	0.00	AVERAGE	100	282	VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 38, 54, 62 / Ant. 4
Test Date	Aug. 05, 2008		

Channel 54

	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 over	5261.600	107.98			69.97	33.85	4.16	0.00	AVERAGE	100	276	VERTICAL
2 @	5262.000	120.37			82.36	33.85	4.16	0.00	PEAK	100	276	VERTICAL
3 !	5350.000	57.36	-2.64	60.00	19.11	34.03	4.22	0.00	AVERAGE	100	276	VERTICAL
4	5350.000	68.77	-11.23	80.00	30.52	34.03	4.22	0.00	PEAK	100	276	VERTICAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 38, 54, 62 / Ant. 4
Test Date	Aug. 05, 2008		

Channel 62

	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 over	5314.000	104.38			66.21	33.97	4.19	0.00	AVERAGE	100	277	VERTICAL
2 over	5321.600	117.03			78.85	33.97	4.20	0.00	PEAK	100	277	VERTICAL
3 !	5350.000	58.73	-1.27	60.00	20.48	34.03	4.22	0.00	AVERAGE	100	277	VERTICAL
4	5350.000	71.67	-8.33	80.00	33.42	34.03	4.22	0.00	PEAK	100	277	VERTICAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 102, 110, 134 / Ant. 4
Test Date	Aug. 05, 2008		

Channel 102

	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 !	5460.000	57.33	-2.67	60.00	18.85	34.21	4.28	0.00	AVERAGE	100	277	VERTICAL
2	5460.000	70.00	-10.00	80.00	31.52	34.21	4.28	0.00	PEAK	100	277	VERTICAL
3 !	5470.000	71.79	-2.51	74.30	33.26	34.24	4.29	0.00	PEAK	100	277	VERTICAL
4 @	5520.000	119.19			80.58	34.30	4.31	0.00	PEAK	100	277	VERTICAL
5 over	5520.400	106.25			67.64	34.30	4.31	0.00	AVERAGE	100	277	VERTICAL

Item 4, 5 are the fundamental frequency at 5510 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 102, 110, 134 / Ant. 4
Test Date	Aug. 05, 2008		

Channel 110

	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 !	5460.000	58.99	-1.01	60.00	20.51	34.21	4.28	0.00	AVERAGE	100	285	VERTICAL
2	5460.000	72.98	-7.02	80.00	34.50	34.21	4.28	0.00	PEAK	100	285	VERTICAL
3 !	5467.610	74.12	-0.18	74.30	35.60	34.24	4.28	0.00	PEAK	100	285	VERTICAL
4 over	5540.400	111.78			73.17	34.31	4.31	0.00	AVERAGE	100	285	VERTICAL
5 @	5564.800	124.22			85.59	34.31	4.32	0.00	PEAK	100	285	VERTICAL

Item 4, 5 are the fundamental frequency at 5550 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 102, 110, 134 / Ant. 4
Test Date	Aug. 05, 2008		

Channel 134

	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 @	5655.600	125.11			86.42	34.33	4.36	0.00	PEAK	100	282	VERTICAL
2 over	5656.400	111.53			72.84	34.33	4.36	0.00	AVERAGE	100	282	VERTICAL
3 !	5727.800	73.03	-1.27	74.30	34.30	34.34	4.39	0.00	PEAK	100	282	VERTICAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 36, 40, 64 / Ant. 4
Test Date	Aug. 05, 2008		

Channel 36

	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 !	5150.000	55.72	-4.28	60.00	17.95	33.67	4.11	0.00	AVERAGE	100	263	VERTICAL
2	5150.000	67.10	-12.90	80.00	29.33	33.67	4.11	0.00	PEAK	100	263	VERTICAL
3 over	5176.400	109.63			71.81	33.70	4.12	0.00	AVERAGE	100	263	VERTICAL
4 ☺	5182.000	122.97			85.12	33.73	4.12	0.00	PEAK	100	263	VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 36, 40, 64 / Ant. 4
Test Date	Aug. 05, 2008		

Channel 40

	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 !	5150.000	55.51	-4.49	60.00	17.74	33.67	4.11	0.00	AVERAGE	100	270	VERTICAL
2	5150.000	66.42	-13.58	80.00	28.64	33.67	4.11	0.00	PEAK	100	270	VERTICAL
3 over	5194.400	109.74			71.87	33.73	4.13	0.00	AVERAGE	100	270	VERTICAL
4 ☺	5204.400	121.66			83.76	33.76	4.13	0.00	PEAK	100	270	VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 36, 40, 64 / Ant. 4
Test Date	Aug. 05, 2008		

Channel 64

	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 ☺	5317.600	123.02			84.84	33.97	4.20	0.00	PEAK	100	290	VERTICAL
2 over	5322.800	110.01			71.84	33.97	4.20	0.00	AVERAGE	100	290	VERTICAL
3	5350.000	67.86	-12.14	80.00	29.61	34.03	4.22	0.00	PEAK	100	290	VERTICAL
4 !	5350.000	56.94	-3.06	60.00	18.69	34.03	4.22	0.00	AVERAGE	100	290	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.



Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 100, 140 / Ant. 4
Test Date	Aug. 05, 2008		

Channel 100

	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 !	5460.000	56.14	-3.86	60.00	17.65	34.21	4.28	0.00	AVERAGE	100	281	VERTICAL
2	5460.000	67.53	-12.47	80.00	29.05	34.21	4.28	0.00	PEAK	100	281	VERTICAL
3 !	5470.000	72.06	-2.24	74.30	33.53	34.24	4.29	0.00	PEAK	100	281	VERTICAL
4 over	5504.400	112.72			74.13	34.28	4.30	0.00	AVERAGE	100	281	VERTICAL
5 @	5505.200	125.11			86.53	34.28	4.30	0.00	PEAK	100	281	VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 100, 140 / Ant. 4
Test Date	Aug. 05, 2008		

Channel 140

	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	5693.600	112.40			73.69	34.34	4.37	0.00	AVERAGE	100	276	VERTICAL
2 @	5698.000	124.71			85.99	34.34	4.38	0.00	PEAK	100	276	VERTICAL
3 !	5725.000	71.10	-3.20	74.30	32.37	34.34	4.39	0.00	PEAK	100	276	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Note:

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 from 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	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 20MHz Ch 36, 40, 64 / Ant. 5
Test Date	Aug. 02, 2008		

Channel 36

	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 @	5150.000	54.97	-5.03	60.00	18.43	33.04	3.50	0.00	AVERAGE	103	70	HORIZONTAL
2 @	5150.000	65.92	-14.08	80.00	29.37	33.04	3.50	0.00	PEAK	103	71	HORIZONTAL
3 @	5177.000	106.17			69.56	33.09	3.52	0.00	AVERAGE	103	71	HORIZONTAL
4 @	5177.600	117.94			81.33	33.09	3.52	0.00	PEAK	103	71	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 20MHz Ch 36, 40, 64 / Ant. 5
Test Date	Aug. 02, 2008		

Channel 40

	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 @	5150.000	54.79	-5.21	60.00	18.25	33.04	3.50	0.00	AVERAGE	103	70	HORIZONTAL
2 @	5150.000	65.25	-14.75	80.00	28.71	33.04	3.50	0.00	PEAK	103	70	HORIZONTAL
3 @	5197.600	117.55			80.90	33.12	3.53	0.00	PEAK	103	70	HORIZONTAL
4 @	5201.600	105.48			68.83	33.12	3.53	0.00	AVERAGE	103	70	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 20MHz Ch 36, 40, 64 / Ant. 5
Test Date	Aug. 02, 2008		

Channel 64

	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 @	5318.200	107.60			70.71	33.31	3.58	0.00	AVERAGE	100	66	HORIZONTAL
2 @	5318.600	119.16			82.27	33.31	3.58	0.00	PEAK	100	66	HORIZONTAL
3 @	5350.000	55.07	-4.93	60.00	18.10	33.36	3.61	0.00	AVERAGE	100	66	HORIZONTAL
4 @	5350.000	66.39	-13.61	80.00	29.42	33.36	3.61	0.00	PEAK	100	66	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5320 MHz.



Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 20MHz Ch 100, 140 / Ant. 5
Test Date	Aug. 02, 2008		

Channel 100

	Freq		Over	Limit	ReadAntenna		Cable	Preamp	Remark	Ant	Table	
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor		Pos	Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	5460.000	55.41	-4.59	60.00	18.23	33.52	3.67	0.00	AVERAGE	100	288	HORIZONTAL
2 @	5460.000	66.98	-13.02	80.00	29.79	33.52	3.67	0.00	PEAK	100	288	HORIZONTAL
3 @	5470.000	67.03	-7.27	74.30	29.82	33.55	3.67	0.00	PEAK	100	288	HORIZONTAL
4 @	5496.800	117.84			80.56	33.60	3.68	0.00	PEAK	100	288	HORIZONTAL
5 @	5498.800	106.28			69.00	33.60	3.68	0.00	AVERAGE	100	288	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 20MHz Ch 100, 140 / Ant. 5
Test Date	Aug. 02, 2008		

Channel 140

	Freq		Over	Limit	ReadAntenna		Cable	Preamp	Remark	Ant	Table	
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor		Pos	Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	5695.400	107.86			70.00	34.17	3.69	0.00	AVERAGE	100	285	HORIZONTAL
2 @	5696.600	119.30			81.45	34.17	3.69	0.00	PEAK	100	285	HORIZONTAL
3 @	5725.000	70.89	-3.41	74.30	32.93	34.27	3.69	0.00	PEAK	100	285	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 38, 54, 62 / Ant. 5
Test Date	Aug. 02, 2008		

Channel 38

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamplifier	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	5150.000	57.57	-2.43	60.00	21.03	33.04	3.50	0.00	AVERAGE	100	282	HORIZONTAL
2 @	5150.000	69.27	-10.73	80.00	32.73	33.04	3.50	0.00	PEAK	100	282	HORIZONTAL
3 @	5178.000	100.57			63.97	33.09	3.52	0.00	AVERAGE	100	282	HORIZONTAL
4 @	5178.800	112.69			76.08	33.09	3.52	0.00	PEAK	100	282	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 38, 54, 62 / Ant. 5
Test Date	Aug. 02, 2008		

Channel 54

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamplifier	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	5256.000	104.49			67.74	33.20	3.56	0.00	AVERAGE	103	282	HORIZONTAL
2 @	5266.800	117.12			80.34	33.23	3.56	0.00	PEAK	103	282	HORIZONTAL
3 @	5350.000	55.20	-4.81	60.00	18.22	33.36	3.61	0.00	AVERAGE	103	282	HORIZONTAL
4 @	5350.000	66.15	-13.85	80.00	29.18	33.36	3.61	0.00	PEAK	103	282	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 38, 54, 62 / Ant. 5
Test Date	Aug. 02, 2008		

Channel 62

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamplifier	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	5296.000	99.80			62.95	33.28	3.57	0.00	AVERAGE	100	56	HORIZONTAL
2 @	5296.400	112.32			75.47	33.28	3.57	0.00	PEAK	100	56	HORIZONTAL
3 @	5350.000	55.67	-4.33	60.00	18.70	33.36	3.61	0.00	AVERAGE	146	56	HORIZONTAL
4 @	5350.000	68.12	-11.88	80.00	31.15	33.36	3.61	0.00	PEAK	100	56	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 102, 110, 134 / Ant. 5
Test Date	Aug. 02, 2008		

Channel 102

	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 @	5460.000	55.80	-4.20	60.00	18.61	33.52	3.67	0.00	AVERAGE	100	294	HORIZONTAL
2 @	5460.000	66.80	-13.20	80.00	29.61	33.52	3.67	0.00	PEAK	100	294	HORIZONTAL
3 @	5470.000	68.17	-6.13	74.30	30.96	33.55	3.67	0.00	PEAK	100	294	HORIZONTAL
4 @	5502.800	100.89			63.61	33.60	3.68	0.00	AVERAGE	100	294	HORIZONTAL
5 @	5522.000	112.51			75.18	33.65	3.68	0.00	PEAK	100	294	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5510 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 102, 110, 134 / Ant. 5
Test Date	Aug. 02, 2008		

Channel 110

	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 @	5460.000	55.98	-4.02	60.00	18.80	33.52	3.67	0.00	AVERAGE	100	276	HORIZONTAL
2 @	5460.000	67.05	-12.95	80.00	29.87	33.52	3.67	0.00	PEAK	100	276	HORIZONTAL
3 @	5470.000	67.43	-6.87	74.30	30.21	33.55	3.67	0.00	PEAK	100	276	HORIZONTAL
4 @	5556.400	104.95			67.51	33.76	3.68	0.00	AVERAGE	100	276	HORIZONTAL
5 @	5561.600	117.52			80.09	33.76	3.68	0.00	PEAK	100	276	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5550 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 102, 110, 134 / Ant. 5
Test Date	Aug. 02, 2008		

Channel 134

	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 @	5654.400	105.09			67.33	34.07	3.69	0.00	AVERAGE	100	301	HORIZONTAL
2 @	5655.600	118.16			80.40	34.07	3.69	0.00	PEAK	100	301	HORIZONTAL
3 @	5727.400	74.09	-0.21	74.30	36.13	34.27	3.69	0.00	PEAK	100	301	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 36, 40, 64 / Ant. 5
Test Date	Aug. 01, 2008		

Channel 36

	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 @	5150.000	54.88	-5.12	60.00	18.34	33.04	3.50	0.00	AVERAGE	100	70	HORIZONTAL
2 @	5150.000	67.01	-12.99	80.00	30.47	33.04	3.50	0.00	PEAK	100	70	HORIZONTAL
3 @	5180.600	117.70			81.09	33.09	3.52	0.00	PEAK	100	70	HORIZONTAL
4 @	5180.800	107.12			70.51	33.09	3.52	0.00	AVERAGE	100	70	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 36, 40, 64 / Ant. 5
Test Date	Aug. 01, 2008		

Channel 40

	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 @	5150.000	54.58	-5.42	60.00	18.04	33.04	3.50	0.00	AVERAGE	101	286	HORIZONTAL
2 @	5150.000	64.66	-15.34	80.00	28.11	33.04	3.50	0.00	PEAK	101	286	HORIZONTAL
3 @	5199.600	105.79			69.14	33.12	3.53	0.00	AVERAGE	101	286	HORIZONTAL
4 @	5201.600	118.18			81.53	33.12	3.53	0.00	PEAK	101	286	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 36, 40, 64 / Ant. 5
Test Date	Aug. 01, 2008		

Channel 64

	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 @	5321.600	108.40			71.51	33.31	3.58	0.00	AVERAGE	100	66	HORIZONTAL
2 @	5325.800	118.65			81.75	33.31	3.60	0.00	PEAK	100	66	HORIZONTAL
3 @	5350.000	55.03	-4.97	60.00	18.06	33.36	3.61	0.00	AVERAGE	100	66	HORIZONTAL
4 @	5350.000	66.58	-13.42	80.00	29.61	33.36	3.61	0.00	PEAK	100	66	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5320 MHz.



Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 100, 140 / Ant. 5
Test Date	Aug. 01, 2008		

Channel 100

	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 @	5460.000	55.32	-4.68	60.00	18.13	33.52	3.67	0.00	AVERAGE	100	68	HORIZONTAL
2 @	5460.000	66.59	-13.41	80.00	29.40	33.52	3.67	0.00	PEAK	100	68	HORIZONTAL
3 @	5470.000	67.75	-6.55	74.30	30.54	33.55	3.67	0.00	PEAK	100	68	HORIZONTAL
4 @	5496.600	107.17			69.89	33.60	3.68	0.00	AVERAGE	100	68	HORIZONTAL
5 @	5499.600	119.27			81.99	33.60	3.68	0.00	PEAK	100	68	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a Ch 100, 140 / Ant. 5
Test Date	Aug. 01, 2008		

Channel 140

	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 @	5696.200	106.66			68.80	34.17	3.69	0.00	AVERAGE	100	85	HORIZONTAL
2 @	5697.400	118.38			80.52	34.17	3.69	0.00	PEAK	100	85	HORIZONTAL
3 @	5725.000	69.73	-4.57	74.30	31.77	34.27	3.69	0.00	PEAK	100	85	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Note:

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].

4.8. Frequency Stability Measurement

4.8.1. Limit

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emissions is maintained within the band of operation under all conditions of normal operation as specified in the user's manual or $\pm 20\text{ppm}$ (Draft n specification).

4.8.2. Measuring Instruments and Setting

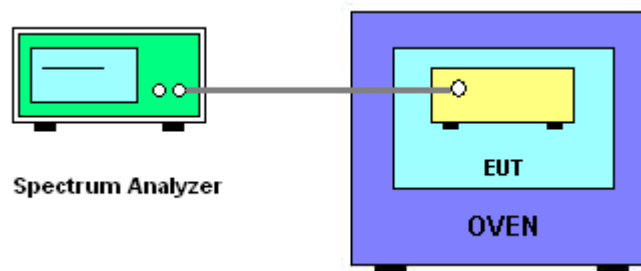
Please refer to section 5 of equipments list in this report. The following table is the setting of the spectrum analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Entire absence of modulation emissions bandwidth
RB	10 kHz
VB	10 kHz
Sweep Time	Auto

4.8.3. Test Procedures

1. The transmitter output (antenna port) was connected to the spectrum analyzer.
2. EUT have transmitted absence of modulation signal and fixed channelize.
3. Set the spectrum analyzer span to view the entire absence of modulation emissions bandwidth.
4. Set RBW = 10 kHz, VBW = 10 kHz with peak detector and maxhold settings.
5. f_c is declaring of channel frequency. Then the frequency error formula is $(f_c - f)/f_c \times 10^6$ ppm and the limit is less than $\pm 20\text{ppm}$ (Draft n specification).
6. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value
7. Extreme temperature rule is $-30^\circ\text{C} \sim 50^\circ\text{C}$.
8. Measuring multiple antennas, the connector is required to link with Power Meter through a combiner.

4.8.4. Test Setup Layout



4.8.5. Test Deviation

There is no deviation with the original standard.

4.8.6. EUT Operation during Test

The EUT was programmed to be in continuously un-modulation transmitting mode.

4.8.7. Test Result of Frequency Stability

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)	
	5200	5300
(V)		
126.50	5200.01871	5300.014150
110.00	5200.02853	5300.023720
93.50	5200.0251	5300.022000
Max. Deviation (MHz)	0.028530	0.023720
Max. Deviation (ppm)	5.49	4.48

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)	
	5200	5300
(°C)		
-30	5200.0512	5300.054400
-20	5200.0412	5300.052100
-10	5200.0315	5300.043200
0	5200.0211	5300.012900
10	5200.0101	5300.003800
20	5200.0089	5299.998700
30	5199.9981	5299.987200
40	5199.9885	5299.971000
50	5199.9723	5299.961900
Max. Deviation (MHz)	0.051200	0.054400
Max. Deviation (ppm)	9.85	10.26

4.9. Antenna Requirements

4.9.1. 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.

4.9.2. Antenna Connector Construction

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

5. LIST OF MEASURING EQUIPMENTS

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMC Receiver	R&S	ESCS 30	100174	9kHz – 2.75GHz	Mar. 03, 2008	Conduction (CO04-HY)
LISN	MessTec	NNB-2/16Z	99079	9kHz – 30MHz	Mar. 31, 2008	Conduction (CO04-HY)
LISN (Support Unit)	EMCO	3810/2NM	9703-1839	9kHz – 30MHz	Mar. 22, 2008	Conduction (CO04-HY)
RF Cable-CON	UTIFLEX	3102-26886-4	CB049	9kHz – 30MHz	Apr. 20, 2008	Conduction (CO04-HY)
ISN	SCHAFFNER	ISN ST08	21653	9kHz – 30MHz	Mar. 27, 2008	Conduction (CO04-HY)
EMI Filter	LINDGREN	LRE-2030	2651	< 450 Hz	N/A	Conduction (CO04-HY)
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30 MHz - 1 GHz 3m	Jun. 14, 2008	Radiation (03CH03-HY)
Amplifier	SCHAFFNER	COA9231A	18667	9 kHz - 2 GHz	Jan. 14, 2008	Radiation (03CH03-HY)
Amplifier	Agilent	8449B	3008A02120	1 GHz - 26.5 GHz	Jul. 21, 2008	Radiation (03CH03-HY)
Amplifier	MITEQ	AMF-6F-260400	9121372	26.5 GHz - 40 GHz	Jan. 22, 2007*	Radiation (03CH03-HY)
Spectrum Analyzer	R&S	FSP40	100004	9 kHz - 40 GHz	Sep. 27, 2007	Radiation (03CH03-HY)
Loop Antenna	R&S	HFH2-Z2	860004/001	9 kHz - 30 MHz	May 23, 2007*	Radiation (03CH03-HY)
Bilog Antenna	SCHAFFNER	CBL 6112D	22237	30 MHz – 1 GHz	Jul. 12, 2008	Radiation (03CH03-HY)
Horn Antenna	EMCO	3115	6741	1GHz ~ 18GHz	Apr. 04, 2008	Radiation (03CH03-HY)
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	15 GHz - 40 GHz	Jan. 18, 2008	Radiation (03CH03-HY)
RF Cable-R03m	Jye Bao	RG142	CB021	30 MHz - 1 GHz	Dec. 03, 2007	Radiation (03CH03-HY)
RF Cable-HIGH	SUHNER	SUCOFLEX 106	03CH03-HY	1 GHz - 40 GHz	Dec. 03, 2007	Radiation (03CH03-HY)
Turn Table	HD	DS 420	420/650/00	0 – 360 degree	N/A	Radiation (03CH03-HY)
Antenna Mast	HD	MA 240	240/560/00	1 m - 4 m	N/A	Radiation (03CH03-HY)
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30 MHz - 1 GHz 3m	Jun. 14, 2008	Radiation (03CH03-HY)
Amplifier	SCHAFFNER	COA9231A	18667	9 kHz - 2 GHz	Jan. 14, 2008	Radiation (03CH03-HY)
Amplifier	Agilent	8449B	3008A02120	1 GHz - 26.5 GHz	Jul. 21, 2008	Radiation (03CH03-HY)
Amplifier	MITEQ	AMF-6F-260400	9121372	26.5 GHz - 40 GHz	Jan. 22, 2007*	Radiation (03CH03-HY)
Spectrum Analyzer	R&S	FSP40	100004	9 kHz - 40 GHz	Sep. 27, 2007	Radiation (03CH03-HY)
Loop Antenna	R&S	HFH2-Z2	860004/001	9 kHz - 30 MHz	May 23, 2007*	Radiation (03CH03-HY)
Bilog Antenna	SCHAFFNER	CBL 6112D	22237	30 MHz – 1 GHz	Jul. 12, 2008	Radiation (03CH03-HY)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Horn Antenna	EMCO	3115	6741	1GHz ~ 18GHz	Apr. 04, 2008	Radiation (03CH03-HY)
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	15 GHz - 40 GHz	Jan.18, 2008	Radiation (03CH03-HY)
RF Cable-R03m	Jye Bao	RG142	CB021	30 MHz - 1 GHz	Dec. 03, 2007	Radiation (03CH03-HY)
RF Cable-HIGH	SUHNER	SUCOFLEX 106	03CH03-HY	1 GHz - 40 GHz	Dec. 03, 2007	Radiation (03CH03-HY)
Turn Table	HD	DS 420	420/650/00	0 – 360 degree	N/A	Radiation (03CH03-HY)
Spectrum Analyzer	R&S	FSP30	100023	9kHz ~ 30GHz	Jan. 10, 2008	Conducted (TH01-HY)
Power Meter	R&S	NRVS	100444	DC ~ 40GHz	Jul. 11, 2008	Conducted (TH01-HY)
Power Sensor	R&S	NRV-Z51	100458	DC ~ 30GHz	Jul. 11, 2008	Conducted (TH01-HY)
Power Sensor	R&S	NRV-Z32	100057	30MHz ~ 6GHz	Jul. 11, 2008	Conducted (TH01-HY)
AC Power Source	HPC	HPA-500W	HPA-9100024	AC 0 ~ 300V	May 30, 2008*	Conducted (TH01-HY)
DC Power Source	G.W.	GPC-6030D	C671845	DC 1V ~ 60V	Mar. 13, 2008	Conducted (TH01-HY)
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. 10, 2008	Conducted (TH01-HY)
oscilloscope	Tektonix	TDS380	B016197	400MHz/ 2GS/s	Jun. 27, 2008	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

PI, total 9 pages

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