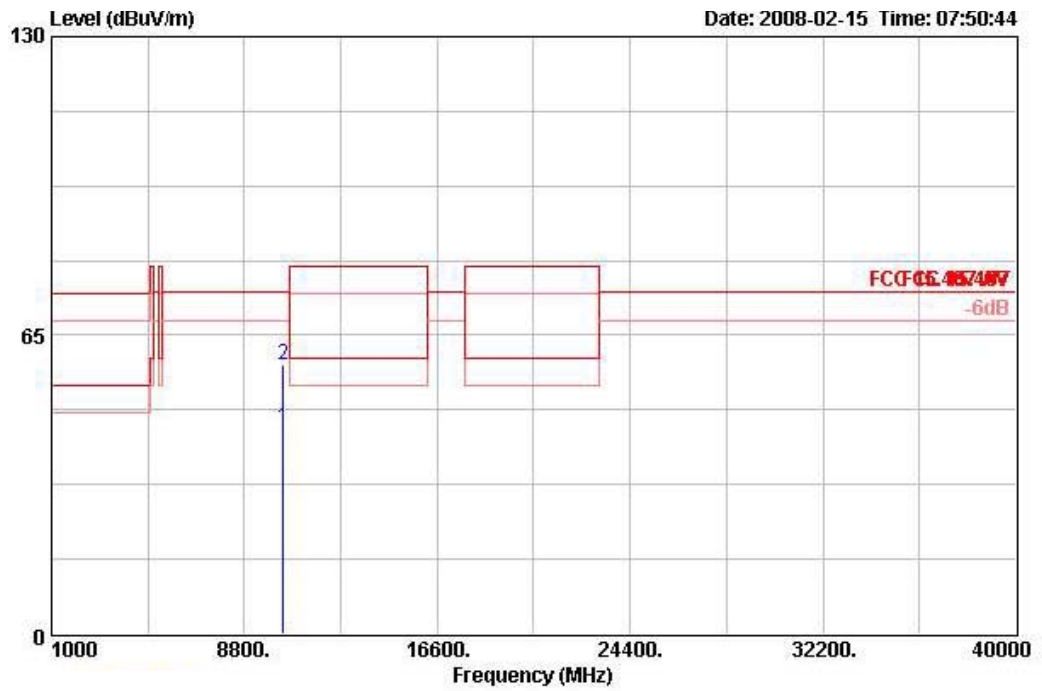


4.6.9. Results for Radiated Emissions (1GHz~40GHz)

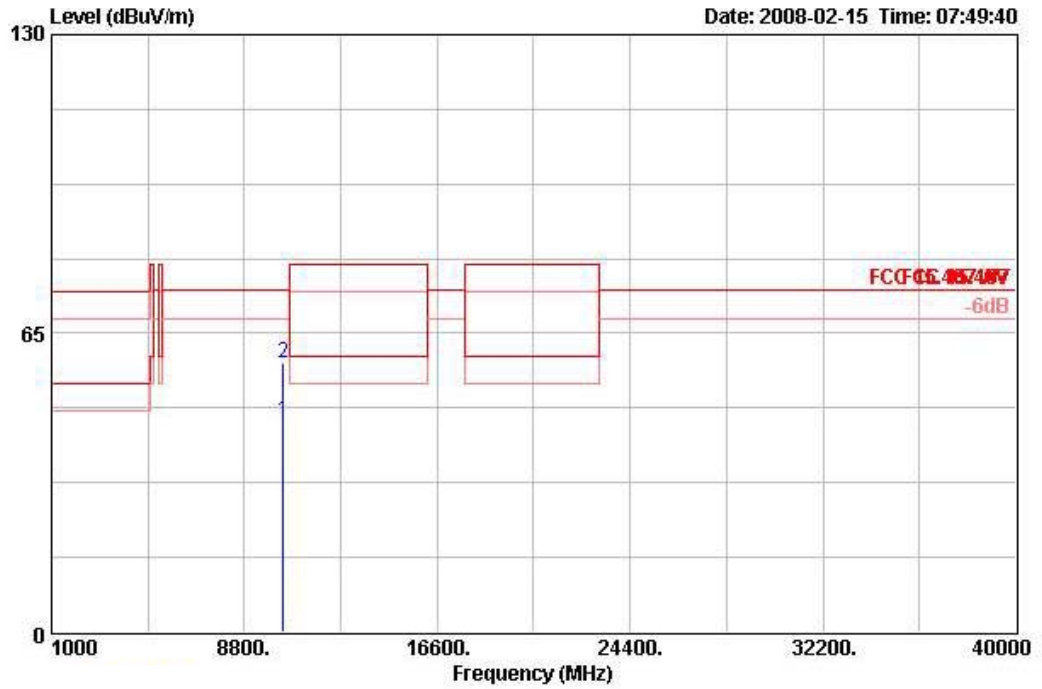
Temperature	18°C	Humidity	63%
Test Engineer	Aric Li	Configurations	Draft n MCS16 20MHz Ch 36 / Ant. A POE Mode (Horizontal)

Horizontal



	Freq	Level	Over	Limit	Read	Antenna	Preamp	Cable	Table	Ant
	MHz	dBuV/m	Limit	Line	Level	Factor	Factor	Loss	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB	dB	deg	cm
1	10374.100	44.73	-29.57	74.30	30.87	38.95	35.33	10.25	296	100 HORIZONTAL
2	10378.900	58.45	-15.85	74.30	44.58	38.95	35.33	10.25	296	100 HORIZONTAL

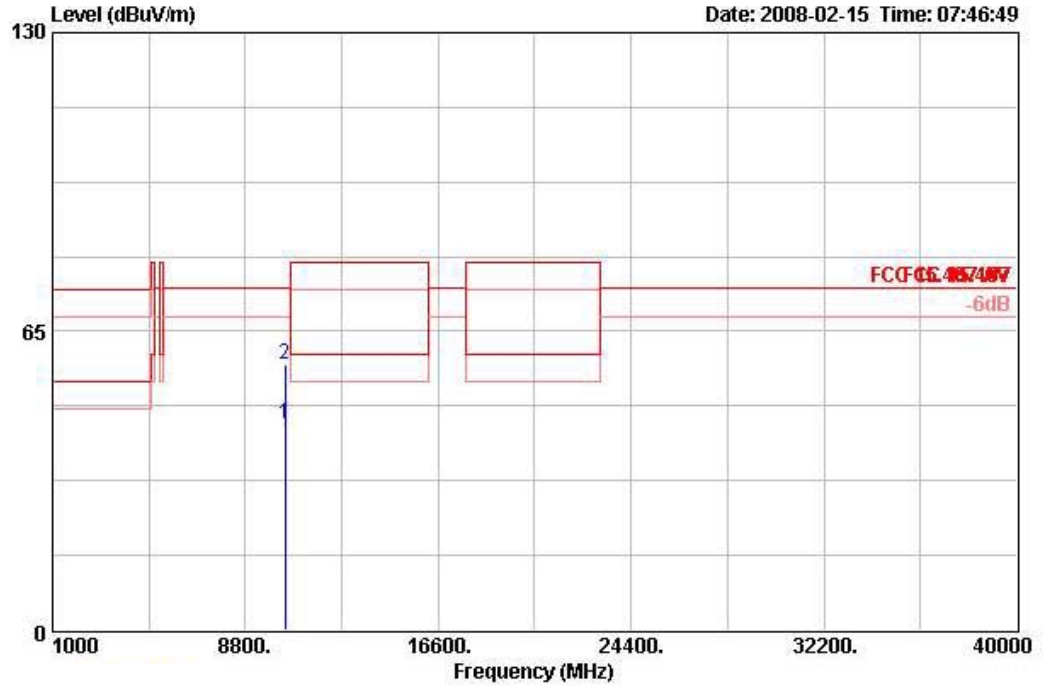
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1	10356.300	45.91	-28.39	74.30	32.11	38.94	35.36	10.22	AVERAGE	108	100	VERTICAL
2	10364.100	58.68	-15.62	74.30	44.88	38.94	35.36	10.22	PEAK	108	100	VERTICAL

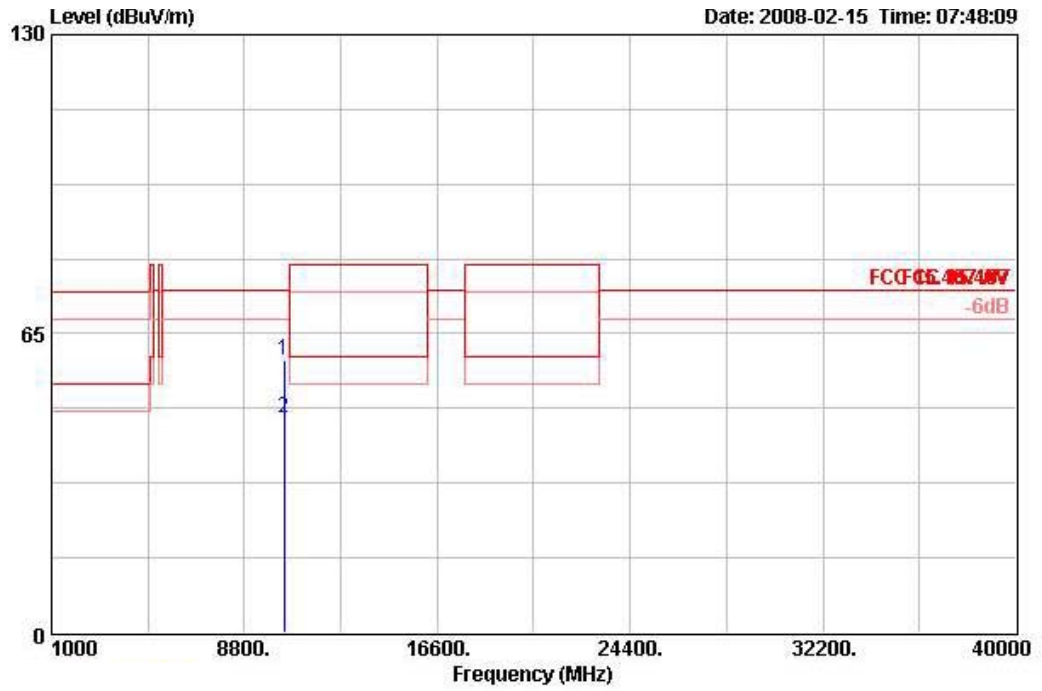
Temperature	18°C	Humidity	63%
Test Engineer	Aric Li	Configurations	Draft n MCS16 20MHz Ch 40 / Ant. A POE Mode (Horizontal)

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1	10400.500	44.80	-29.50	74.30	30.87	38.96	35.30	10.27	AVERAGE	293	100	HORIZONTAL
2	10406.100	57.72	-16.58	74.30	43.78	38.97	35.30	10.27	PEAK	293	100	HORIZONTAL

Vertical

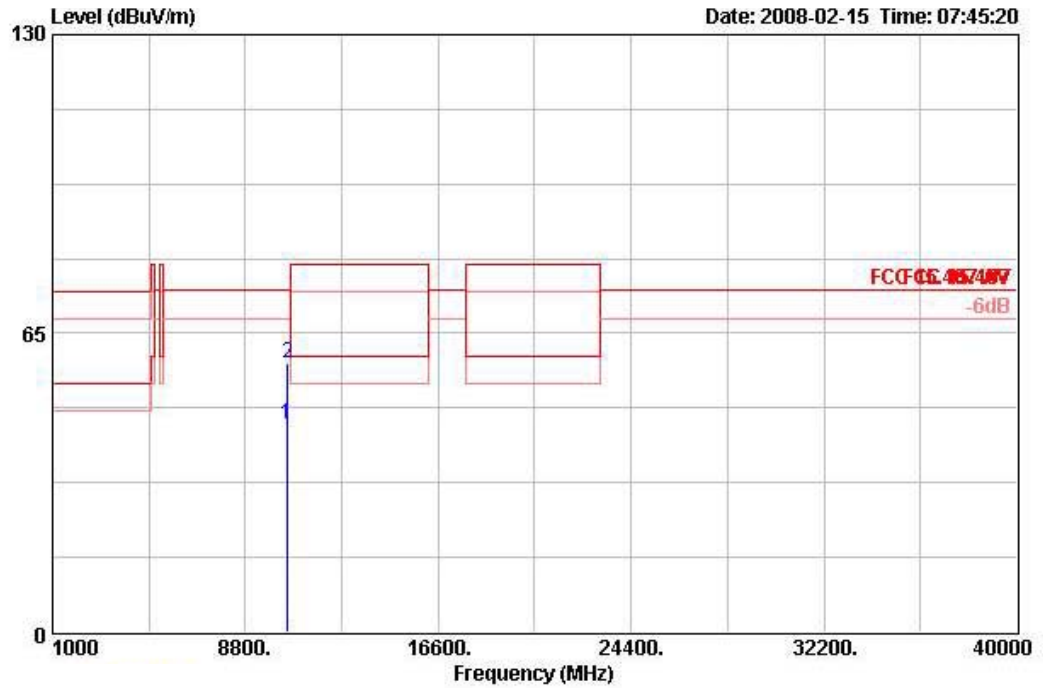


	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1	10396.400	59.16	-15.14	74.30	45.28	38.96	35.33	10.25	PEAK	108	100	VERTICAL
2	10402.900	46.67	-27.63	74.30	32.73	38.97	35.30	10.27	AVERAGE	108	100	VERTICAL



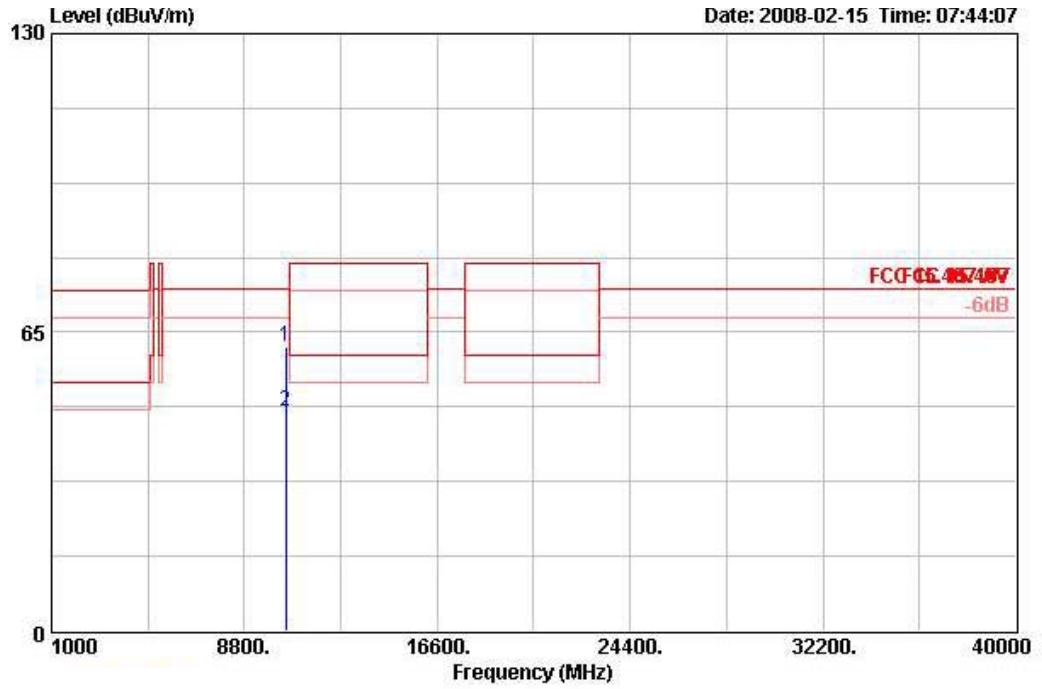
Temperature	18°C	Humidity	63%
Test Engineer	Aric Li	Configurations	Draft n MCS16 20MHz Ch 48 / Ant. A POE Mode (Horizontal)

Horizontal



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBUV/m	dB	dBUV/m	dBuV	dB/m	dB	dB		deg	cm	
1	10475.700	45.24	-29.06	74.30	31.11	38.99	35.21	10.35	AVERAGE	293	100	HORIZONTAL
2	10504.300	58.69	-15.61	74.30	44.50	39.00	35.18	10.37	PEAK	293	100	HORIZONTAL

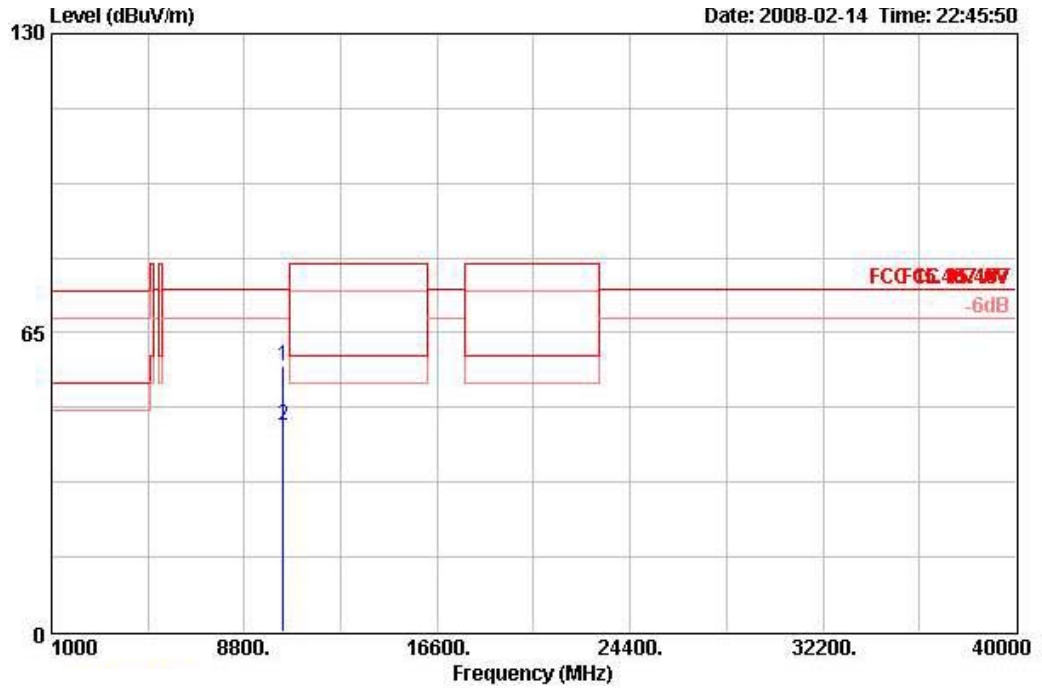
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1	10476.100	61.92	-12.38	74.30	47.79	38.99	35.21	10.35	PEAK	107	100	VERTICAL
2	10476.500	47.71	-26.59	74.30	33.58	38.99	35.21	10.35	AVERAGE	107	100	VERTICAL

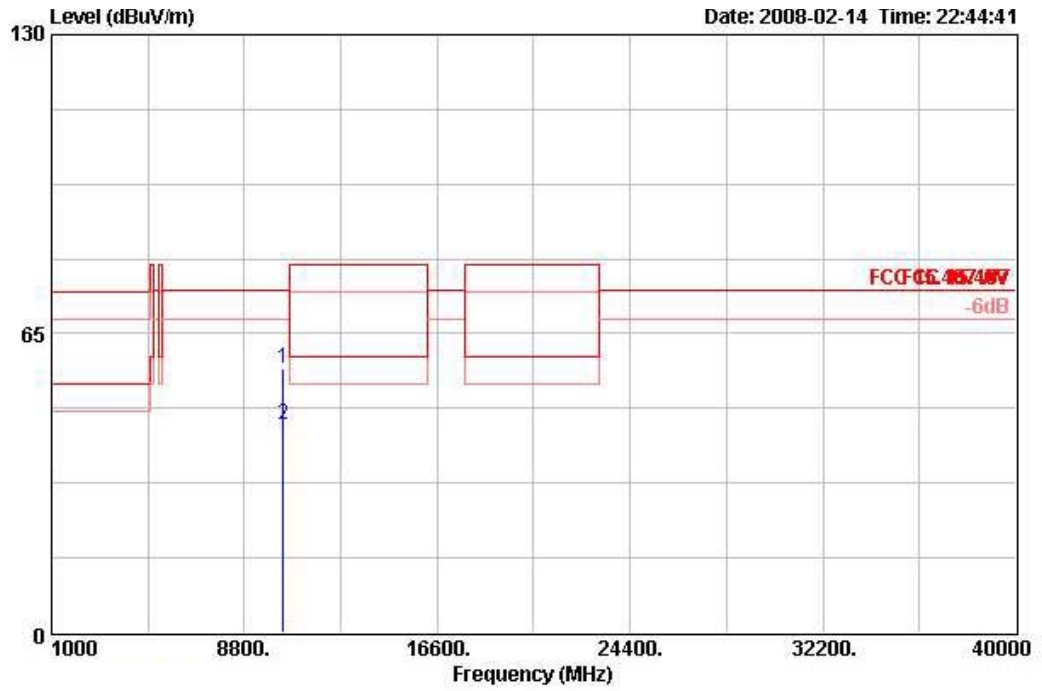
Temperature	18°C	Humidity	63%
Test Engineer	Aric Li	Configurations	Draft n MCS16 40MHz Ch 38 / Ant. A POE Mode (Horizontal)

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1	10377.040	57.84	-16.46	74.30	43.98	38.95	35.33	10.25	PEAK	281	100	HORIZONTAL
2	10380.000	44.81	-29.49	74.30	30.94	38.95	35.33	10.25	AVERAGE	281	100	HORIZONTAL

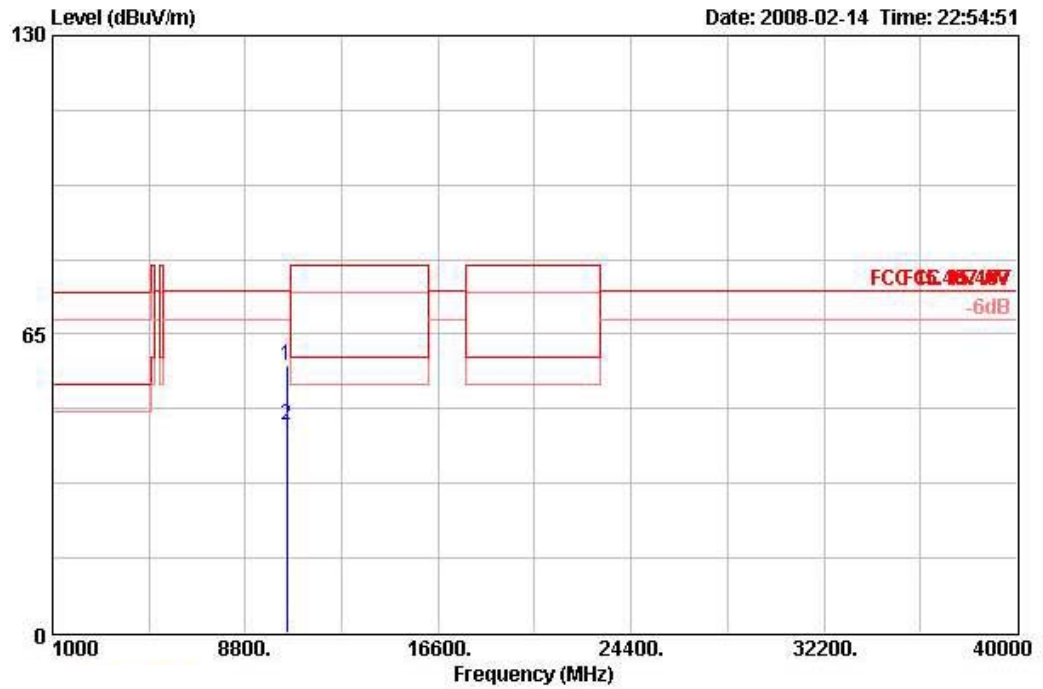
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1	10375.120	57.41	-16.89	74.30	43.55	38.95	35.33	10.25	PEAK	125	100	VERTICAL
2	10376.620	45.09	-29.21	74.30	31.23	38.95	35.33	10.25	AVERAGE	125	100	VERTICAL

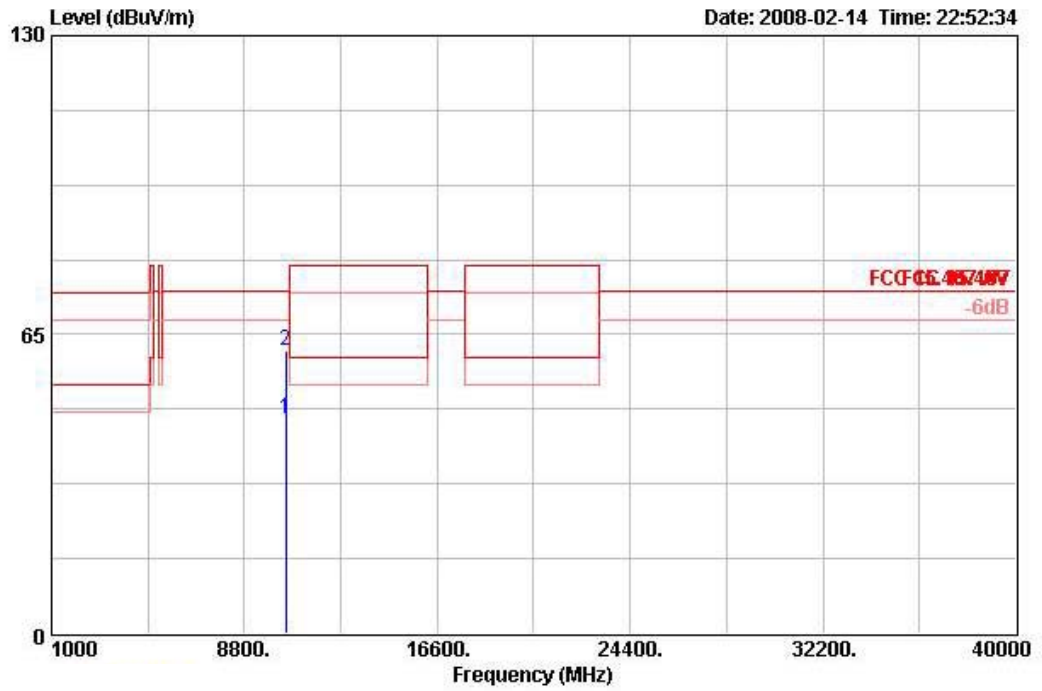
Temperature	18°C	Humidity	63%
Test Engineer	Aric Li	Configurations	Draft n MCS16 40MHz Ch 46 / Ant. A POE Mode (Horizontal)

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1	10460.800	58.26	-16.04	74.30	44.20	38.99	35.24	10.32	PEAK	281	100	HORIZONTAL
2	10464.740	45.26	-29.04	74.30	31.20	38.99	35.24	10.32	AVERAGE	281	100	HORIZONTAL

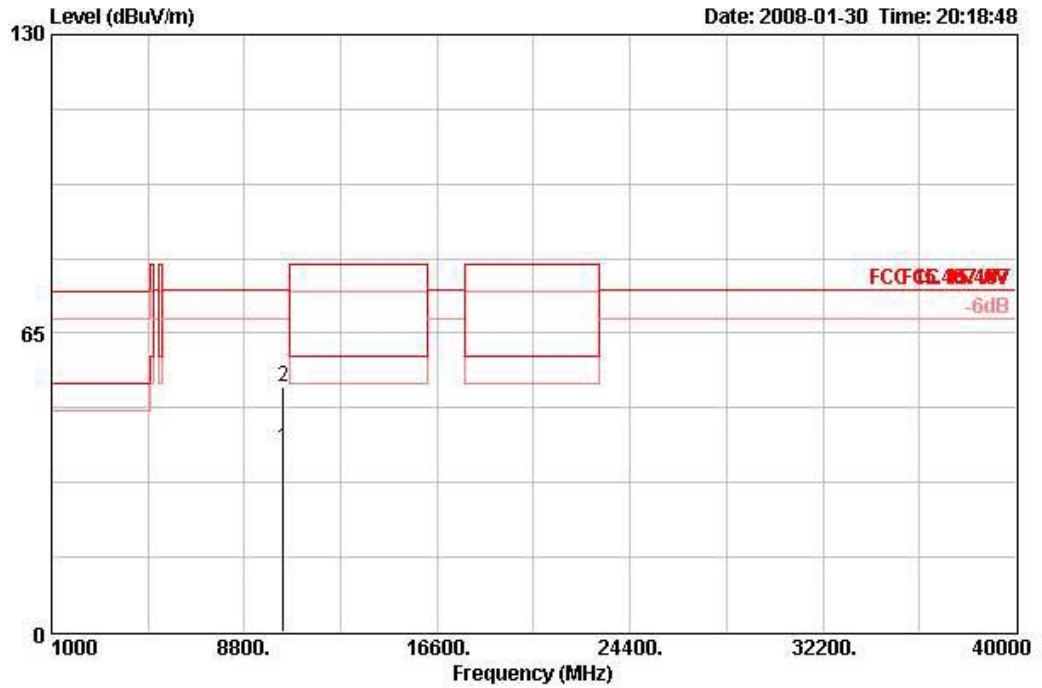
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1	10459.780	46.57	-27.73	74.30	32.50	38.99	35.24	10.32	AVERAGE	150	100	VERTICAL
2	10460.040	61.41	-12.89	74.30	47.35	38.99	35.24	10.32	PEAK	150	100	VERTICAL

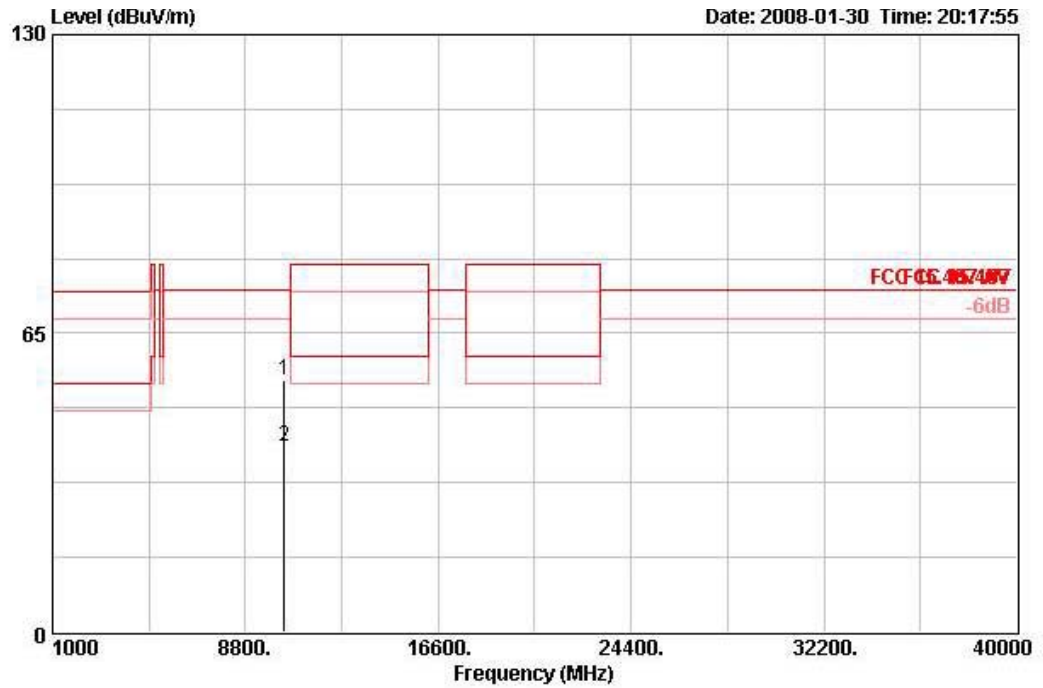
Temperature	18°C	Humidity	63%
Test Engineer	Aric Li	Configurations	Draft n MCS16 20MHz Ch 36 / Ant. B POE Mode (Horizontal)

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	10359.690	40.18	-34.12	74.30	27.60	38.37	9.32	35.12	AVERAGE	139	159	HORIZONTAL
2	10359.840	53.51	-20.79	74.30	40.93	38.37	9.32	35.12	PEAK	139	159	HORIZONTAL

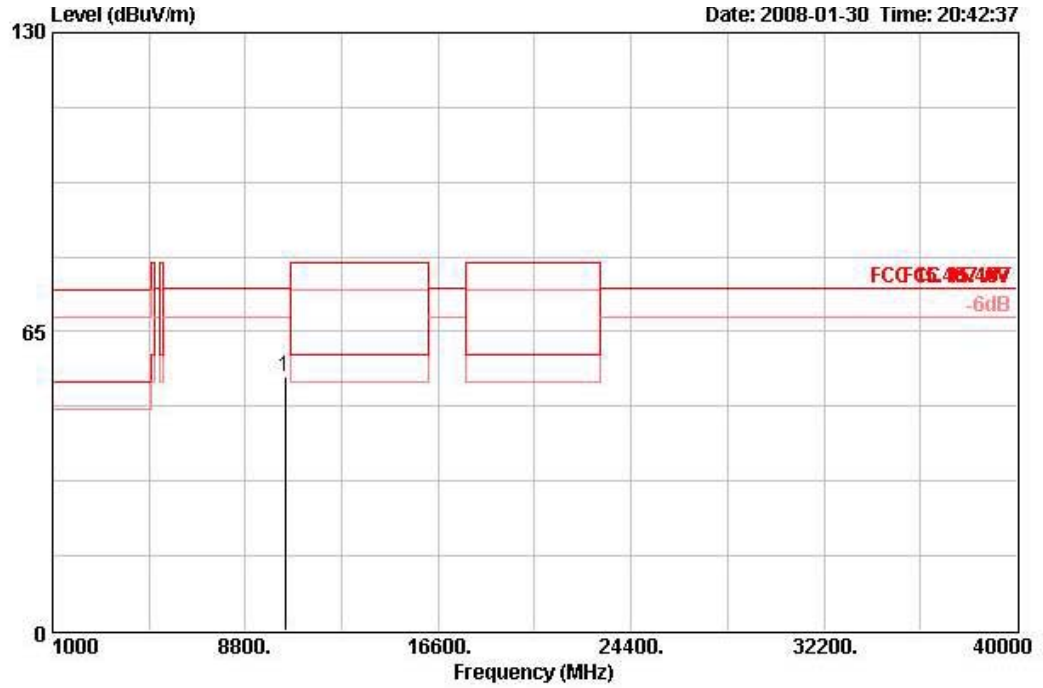
Vertical



	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Remark	Ant	Table
	MHz	dBUV/m	dB	dBUV/m	dBuV	dB/m	dB	dB		cm	deg
1	10361.430	54.65	-19.65	74.30	42.08	38.37	9.32	35.12	PEAK	100	360 VERTICAL
2	10362.500	40.45	-33.85	74.30	27.88	38.37	9.32	35.12	AVERAGE	100	360 VERTICAL

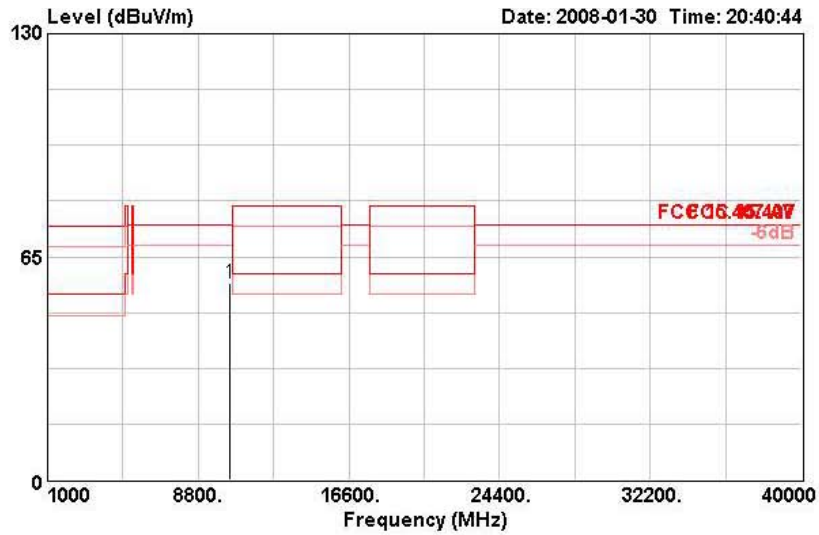
Temperature	18°C	Humidity	63%
Test Engineer	Aric Li	Configurations	Draft n MCS16 20MHz Ch 40 / Ant. B POE Mode (Horizontal)

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	10399.840	55.01	-19.29	74.30	42.33	38.38	9.36	35.05	PEAK	100	360	HORIZONTAL

Vertical

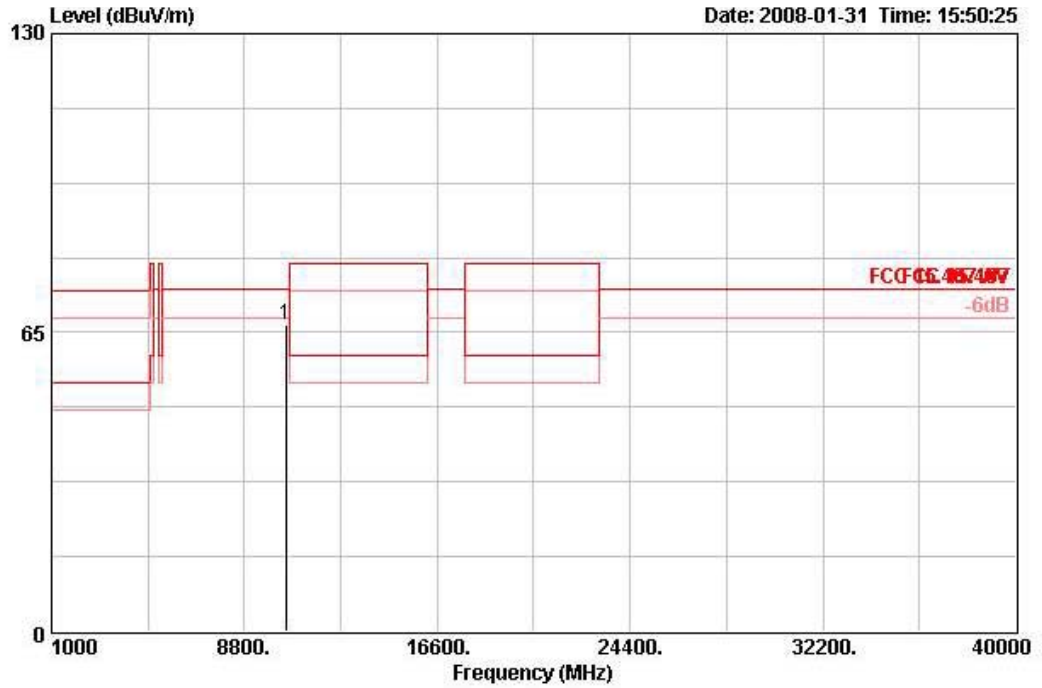


	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	10398.350	57.47	-16.83	74.30	44.79	38.38	9.36	35.05	PEAK	126	275	VERTICAL



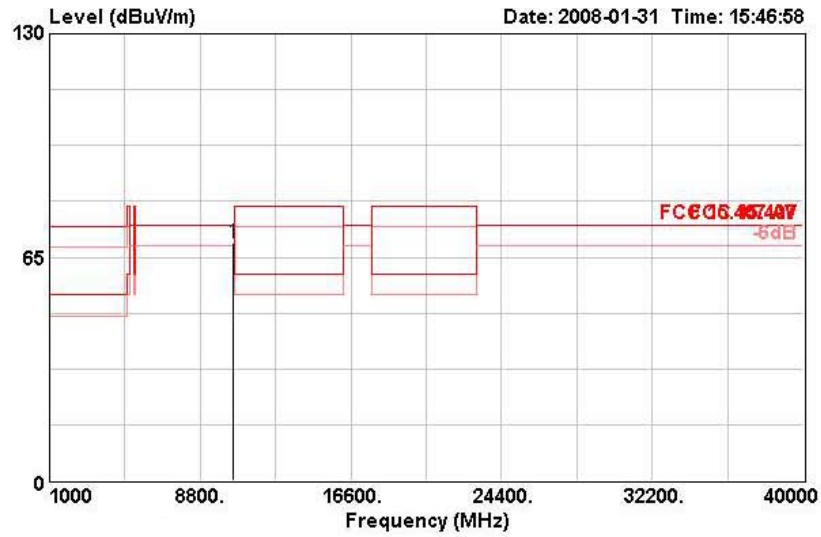
Temperature	18°C	Humidity	63%
Test Engineer	Aric Li	Configurations	Draft n MCS16 20MHz Ch 48 / Ant. B POE Mode (Horizontal)

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	10479.900	66.50	-7.80	74.30	53.66	38.40	9.41	34.96	PEAK	131	123	HORIZONTAL

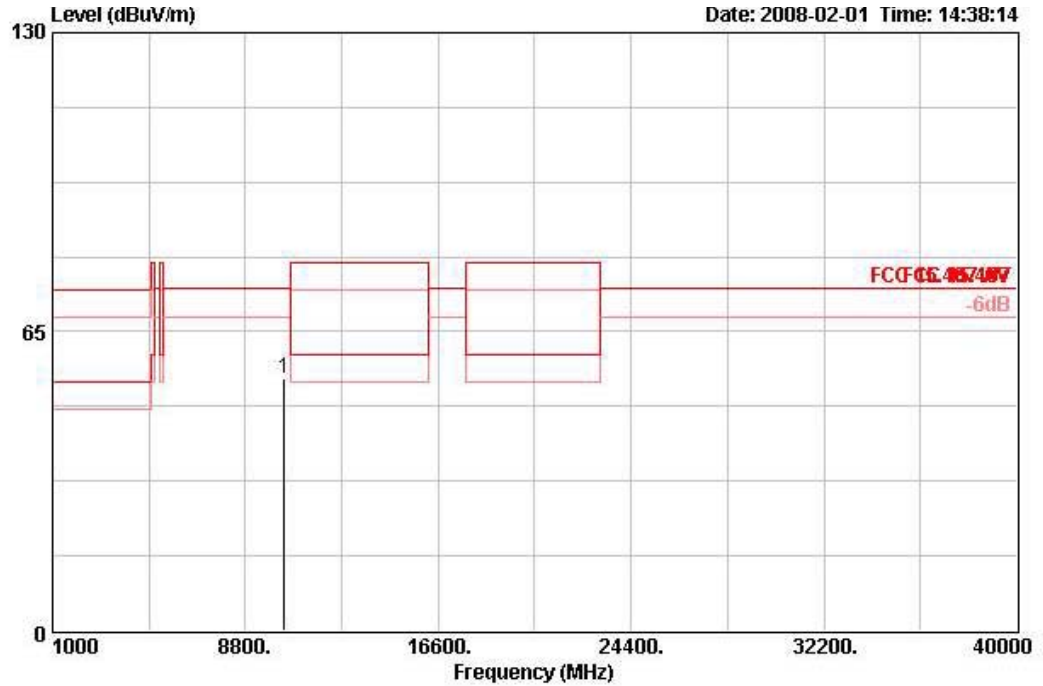
Vertical



	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 @	10480.100	69.06	-5.24	74.30	56.21	38.40	9.41	34.96	PEAK	126	101	VERTICAL

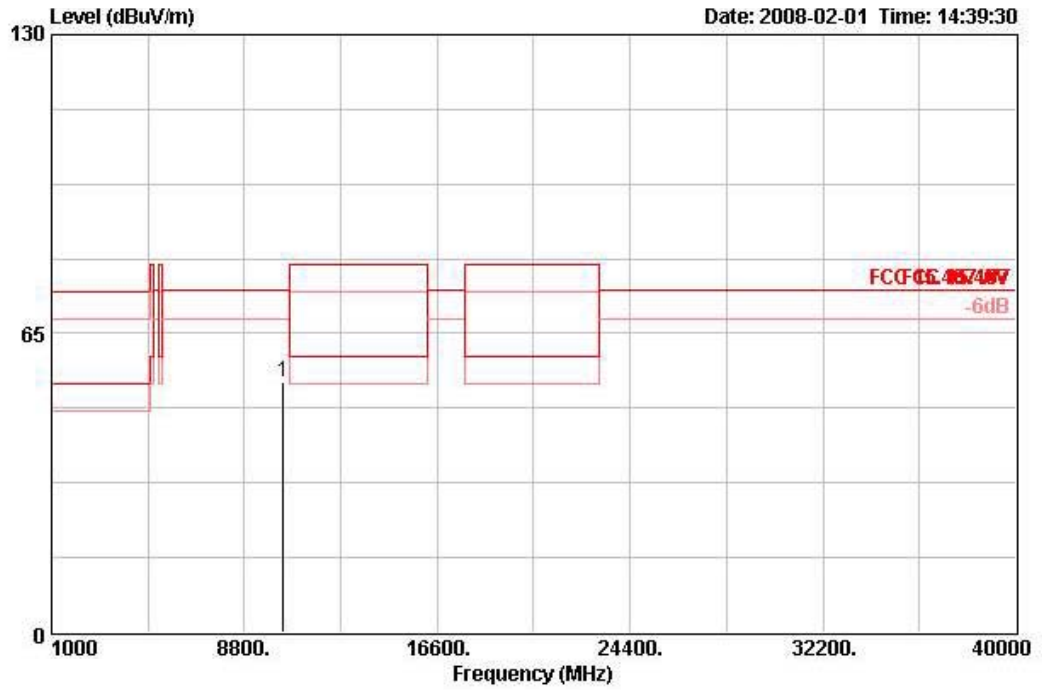
Temperature	18°C	Humidity	63%
Test Engineer	Aric Li	Configurations	Draft n MCS16 40MHz Ch 38 / Ant. B POE Mode (Horizontal)

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	10382.240	54.82	-19.48	74.30	42.19	38.38	9.34	35.09	PEAK	100	0	HORIZONTAL

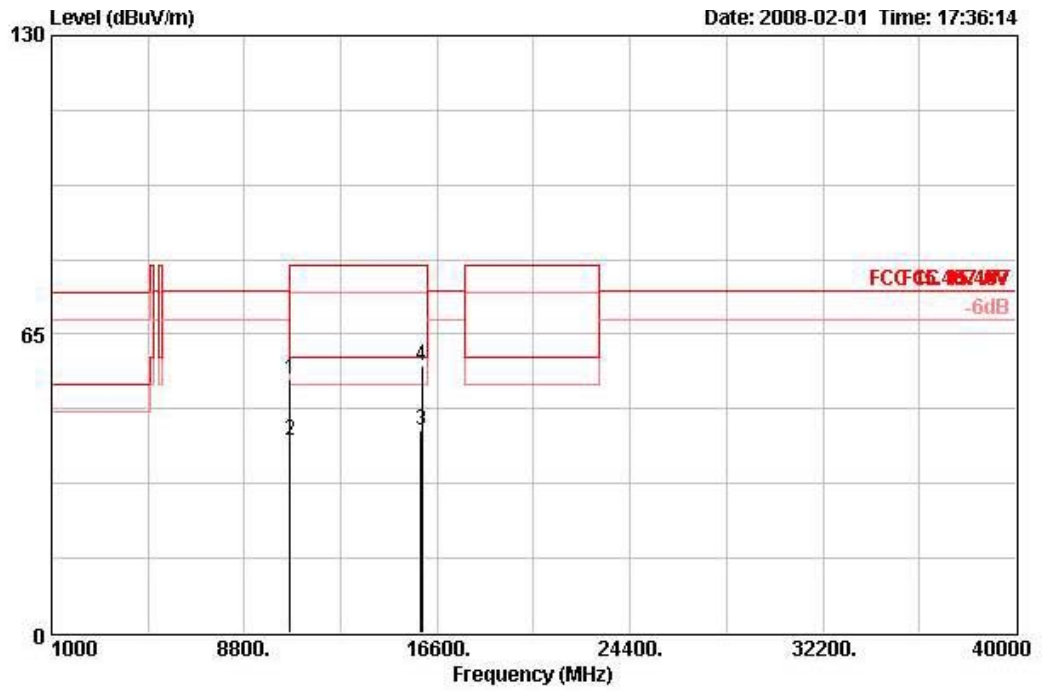
Vertical



	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	10379.870	54.51	-19.79	74.30	41.88	38.38	9.34	35.09	PEAK	100	360	VERTICAL

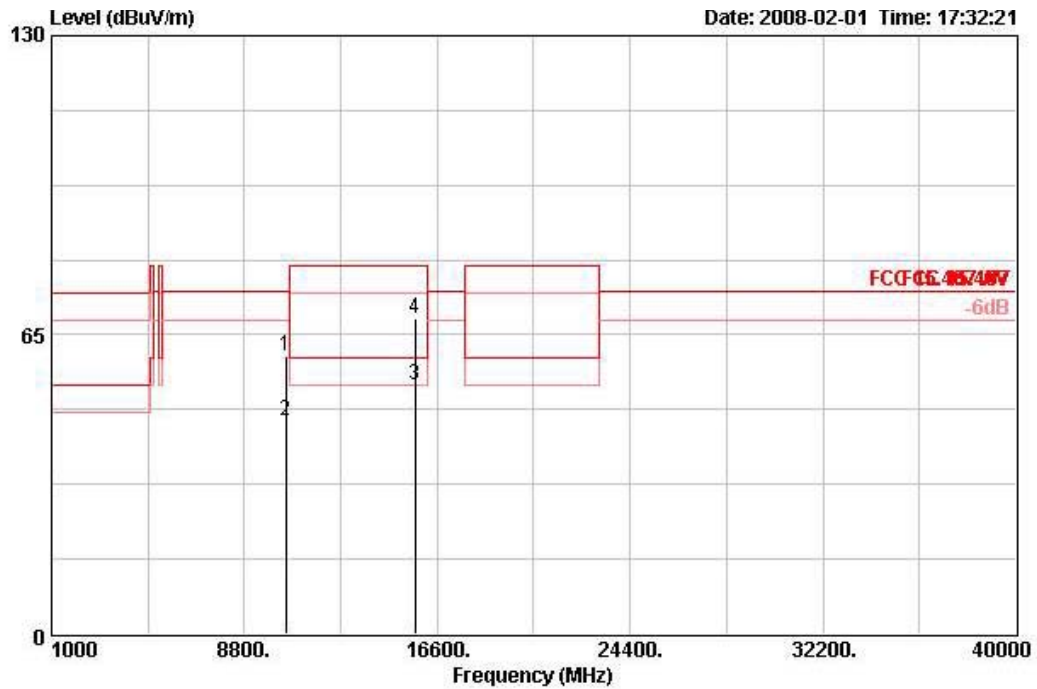
Temperature	18°C	Humidity	63%
Test Engineer	Aric Li	Configurations	Draft n MCS16 40MHz Ch 46 / Ant. B POE Mode (Horizontal)

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	10638.240	55.03	-24.97	80.00	42.05	38.37	9.50	34.88	PEAK	100	0	HORIZONTAL
2	10639.990	41.88	-18.12	60.00	28.89	38.37	9.50	34.88	AVERAGE	100	0	HORIZONTAL
3	15959.970	44.15	-15.85	60.00	30.85	37.23	11.50	35.44	AVERAGE	100	360	HORIZONTAL
4	15961.390	58.30	-21.70	80.00	45.00	37.23	11.50	35.44	PEAK	100	360	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	10460.380	60.40	-13.90	74.30	47.60	38.39	9.39	34.99	PEAK	124	85	VERTICAL
3 !	15690.470	54.09	-5.91	60.00	40.40	37.51	11.51	35.34	AVERAGE	109	284	VERTICAL
4	15691.790	68.69	-11.31	80.00	55.00	37.51	11.51	35.34	PEAK	109	284	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	18°C	Humidity	63%
Test Engineer	Aric Li	Configurations	Draft n MCS16 20MHz Ch 36, 48 / Ant. A POE Mode (Horizontal)

Channel 36

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1 @	5148.600	73.21	-6.79	80.00	34.70	34.07	0.00	4.44	PEAK	41	100	VERTICAL
2 @	5150.000	58.28	-1.72	60.00	19.76	34.07	0.00	4.44	AVERAGE	40	100	VERTICAL
3 @	5181.200	121.68			83.09	34.16	0.00	4.43	PEAK	41	100	VERTICAL
4 @	5181.800	110.23			71.64	34.16	0.00	4.43	AVERAGE	41	100	VERTICAL

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

Channel 48

	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	57.80	-2.20	60.00	17.59	33.67	6.54	0.00	AVERAGE	111	297	VERTICAL
2 @	5150.000	69.77	-10.23	80.00	29.56	33.67	6.54	0.00	PEAK	111	297	VERTICAL
3 @	5240.800	110.68			70.28	33.82	6.58	0.00	AVERAGE	111	297	VERTICAL
4 @	5241.600	123.73			83.30	33.85	6.58	0.00	PEAK	111	297	VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Temperature	26°C	Humidity	60%
Test Engineer	Aric Li	Configurations	Draft n MCS16 40MHz Ch 38 / Ant. A POE Mode (Horizontal)

Channel 38

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1 @	5150.000	59.58	-0.42	60.00	21.06	34.07	0.00	4.44	AVERAGE	317	100	VERTICAL
2 @	5150.000	71.60	-8.40	80.00	33.09	34.07	0.00	4.44	PEAK	317	100	VERTICAL
3 @	5177.600	113.93			75.34	34.16	0.00	4.43	PEAK	317	100	VERTICAL
4 @	5197.200	103.23			64.60	34.20	0.00	4.43	AVERAGE	317	100	VERTICAL

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



Temperature	18°C	Humidity	63%
Test Engineer	Aric Li	Configurations	Draft n MCS16 20MHz Ch 36, 48 / Ant. B POE Mode (Horizontal)

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	59.94	-0.06	60.00	19.73	33.67	6.54	0.00	AVERAGE	135	210	VERTICAL
2 !	5150.000	75.18	-4.82	80.00	34.97	33.67	6.54	0.00	PEAK	135	210	VERTICAL
3 over	5177.600	104.98			64.69	33.73	6.55	0.00	AVERAGE	135	210	VERTICAL
4 over	5181.000	117.94			77.65	33.73	6.55	0.00	PEAK	135	210	VERTICAL

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

Channel 48

	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	74.68	-5.32	80.00	34.47	33.67	6.54	0.00	PEAK	117	174	VERTICAL
2 @	5150.000	59.50	-0.50	60.00	19.29	33.67	6.54	0.00	AVERAGE	117	174	VERTICAL
3 @	5236.800	122.28			81.88	33.82	6.58	0.00	PEAK	117	174	VERTICAL
4 @	5241.600	110.17			69.75	33.85	6.58	0.00	AVERAGE	117	174	VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.



Temperature	26°C	Humidity	60%
Test Engineer	Aric Li	Configurations	Draft n MCS16 40MHz Ch 38 / Ant. B POE Mode (Horizontal)

Channel 38

	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 !	5148.000	57.87	-2.13	60.00	17.66	33.67	6.54	0.00	AVERAGE	126	0	VERTICAL
2	5150.000	70.64	-9.36	80.00	30.43	33.67	6.54	0.00	PEAK	126	0	VERTICAL
3 over	5179.200	109.30			69.01	33.73	6.55	0.00	PEAK	126	0	VERTICAL
4 over	5181.600	95.57			55.28	33.73	6.55	0.00	AVERAGE	126	0	VERTICAL

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

Note:

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

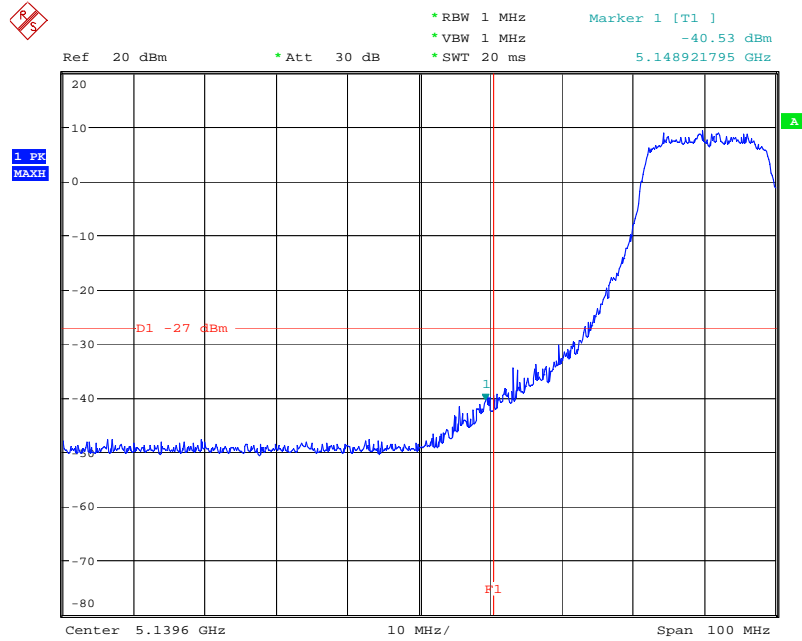
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

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);

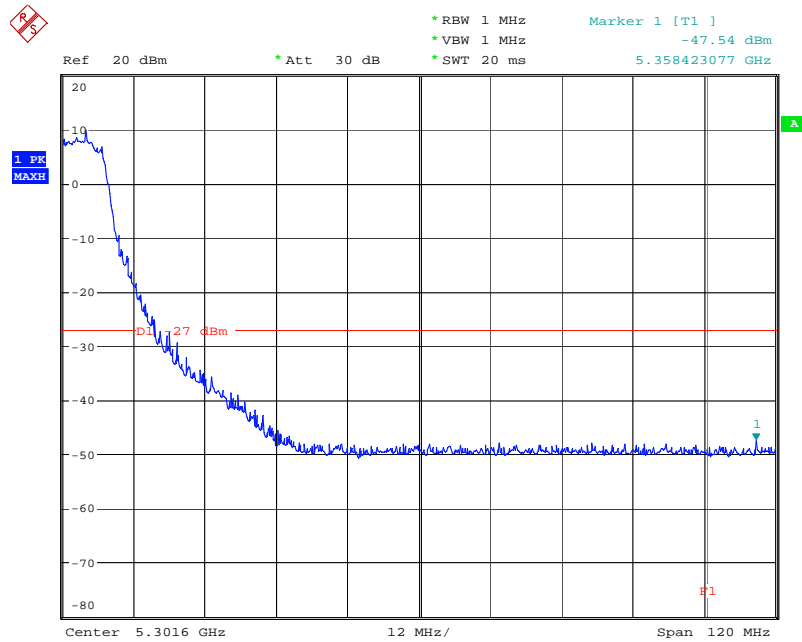
Limit line = specific limits (dBuV) + distance extrapolation factor [6 dB].

EIRP Emission in Band on Configuration Drafft n MCS16 20MHz Ant. A-1 +A-2+A-3 / 5180 MHz



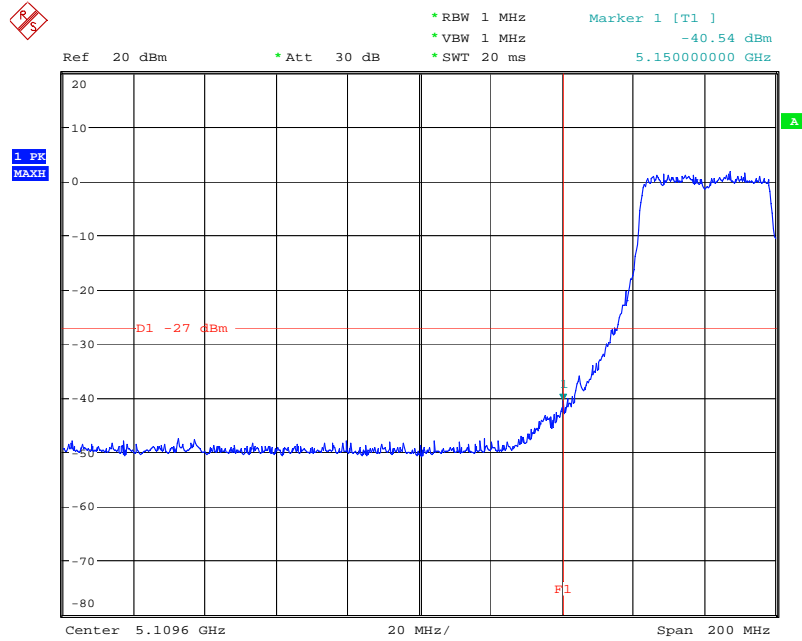
Date: 12.MAR.2008 20:42:49

EIRP Emission in Band on Configuration Drafft n MCS16 20MHz Ant. A-1 +A-2+A-3 / 5240 MHz



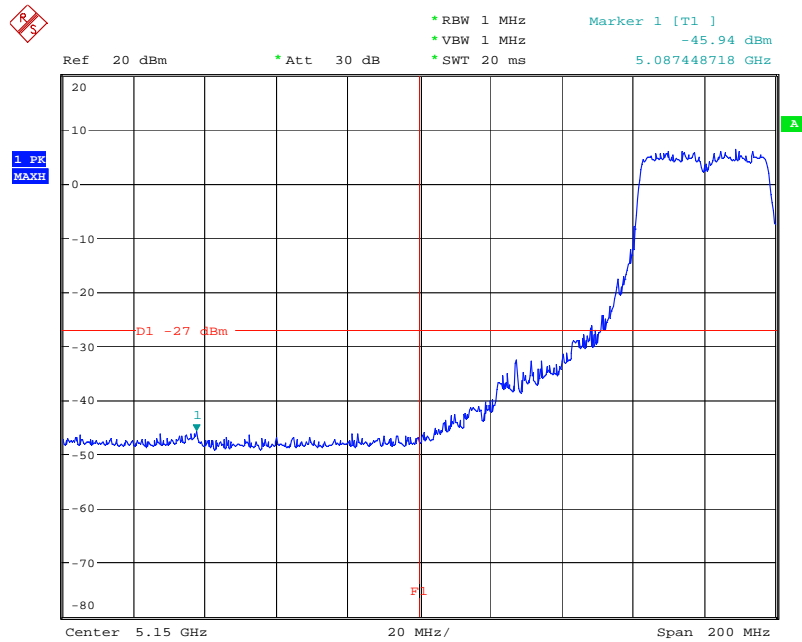
Date: 12.MAR.2008 20:43:49

EIRP Emission in Band on Configuration Drafft n MCS16 40MHz Ant. A-1 +A-2+A-3 / 5190 MHz



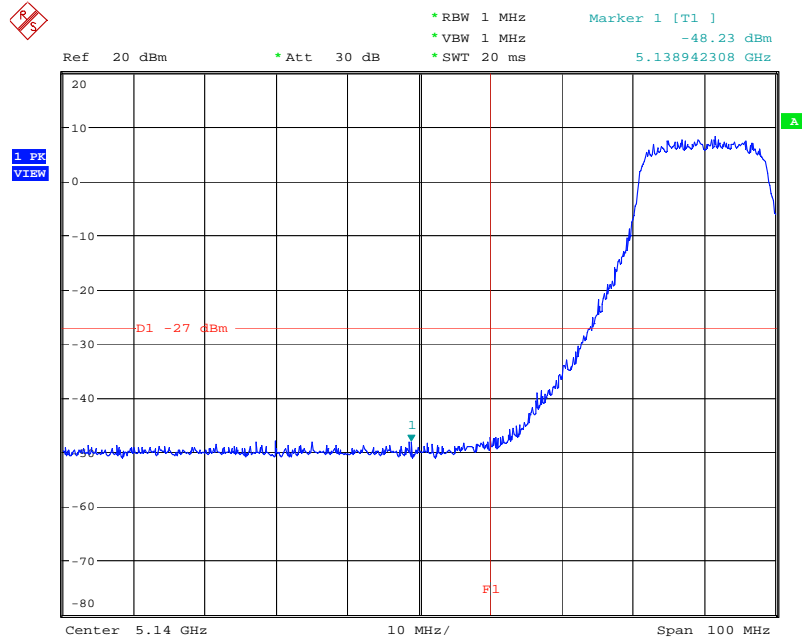
Date: 12.MAR.2008 20:45:33

EIRP Emission in Band on Configuration Drafft n MCS16 40MHz Ant. A-1 +A-2+A-3 / 5230 MHz



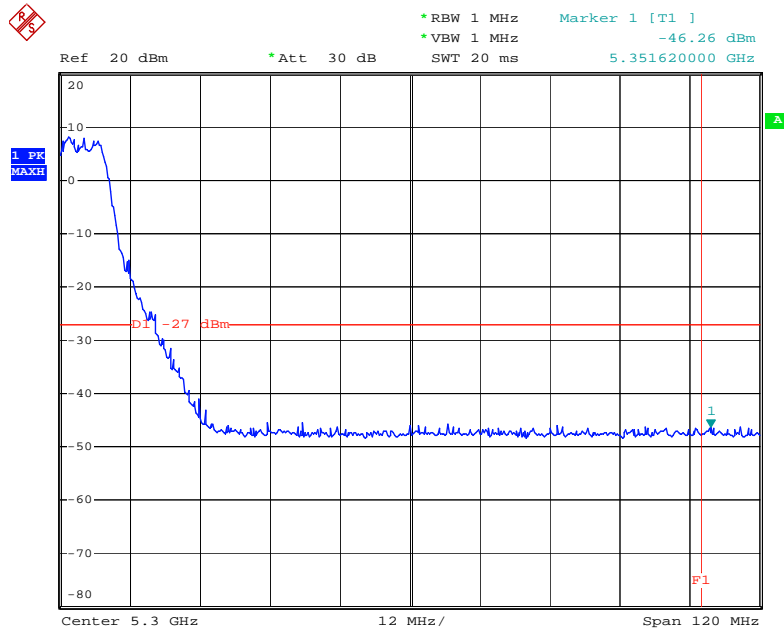
Date: 12.MAR.2008 20:46:54

EIRP Emission in Band on Configuration Drafft n MCS16 20MHz Ant. B-1+B-2+B-3 / 5180 MHz



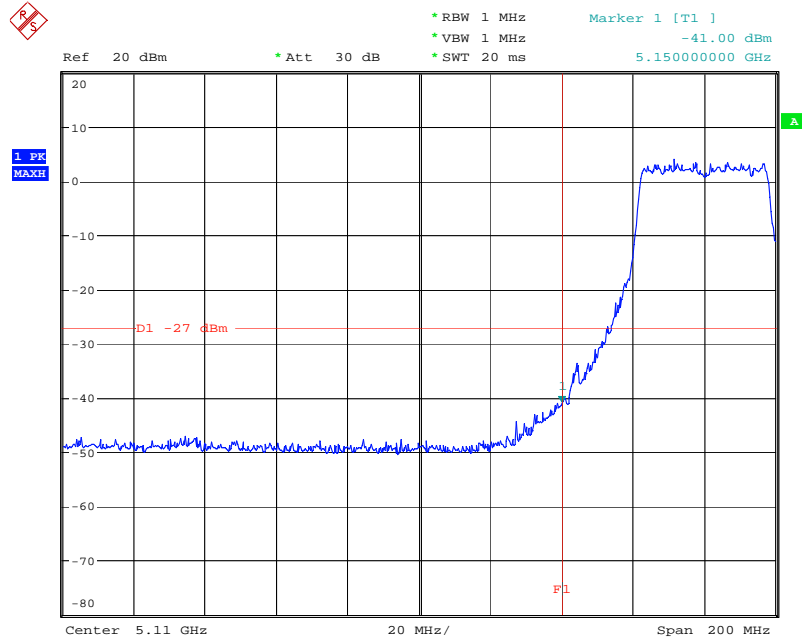
Date: 12.FEB.2008 14:16:37

EIRP Emission in Band on Configuration Drafft n MCS16 20MHz Ant. B-1+B-2+B-3 / 5240 MHz



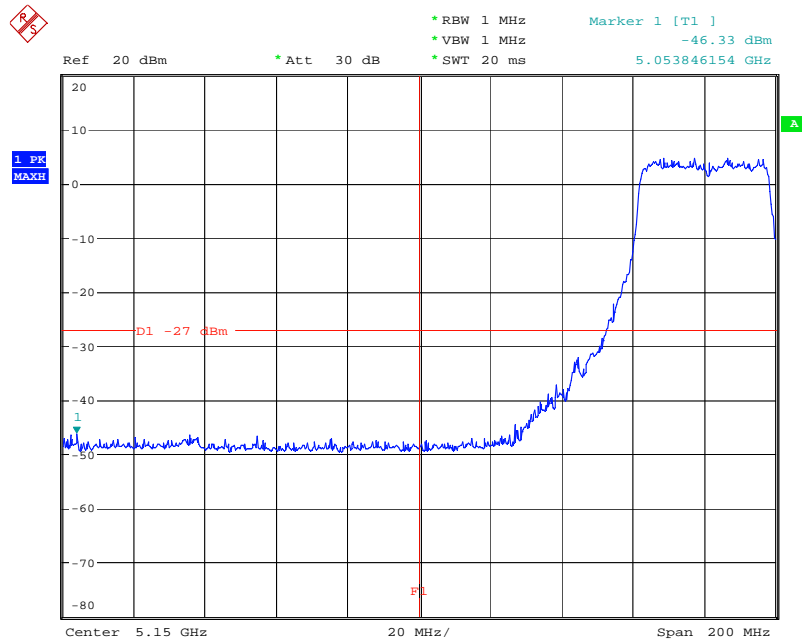
Date: 26.FEB.2008 13:26:33

EIRP Emission in Band on Configuration Drafft n MCS16 40MHz Ant. B-1+B-2+B-3 / 5190 MHz



Date: 12.FEB.2008 14:06:24

EIRP Emission in Band on Configuration Drafft n MCS16 40MHz Ant. B-1+B-2+B-3 / 5230 MHz



Date: 12.FEB.2008 14:05:39

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

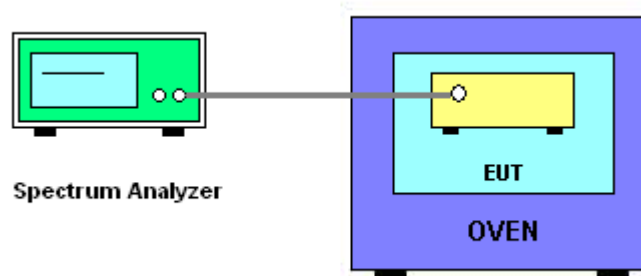
Please refer to section 5 of equipments list in this report. The following table is the setting of the spectrum analyzer.

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 analyser.
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 spectrum analyser 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)
(V)	5200
126.50	5200.0605
110.00	5200.0551
93.50	5200.0616
Max. Deviation (MHz)	0.061600
Max. Deviation (ppm)	11.85

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)
(°C)	5200
-30	5200.0677
-20	5200.051
-10	5200.0214
0	5200.0054
10	5200.0004
20	5199.9846
30	5199.9785
40	5199.9785
50	5199.9532
Max. Deviation (MHz)	0.067700
Max. Deviation (ppm)	13.02

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.