

6.10.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section 15.209				
Test Method:	ANSI C63.4: 2003				
Test Frequency Range:	9 kHz to 25 GHz				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Remark
	30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
Peak		1MHz	10Hz	Average Value	
Limit:	Frequency	Limit (dBuV/m @3m)		Remark	
	30MHz-88MHz	40.0		Quasi-peak Value	
	88MHz-216MHz	43.5		Quasi-peak Value	
	216MHz-960MHz	46.0		Quasi-peak Value	
	960MHz-1GHz	54.0		Quasi-peak Value	
	Above 1GHz	54.0		Average Value	
74.0		Peak Value			
Test setup:	Below 1GHz				
Test setup:	Above 1GHz				

<p>Test Procedure:</p>	<ol style="list-style-type: none"> 1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
<p>Test Instruments:</p>	<p>Refer to section 5.7 for details</p>
<p>Test mode:</p>	<p>Non-hopping mode</p>
<p>Test results:</p>	<p>Pass</p>

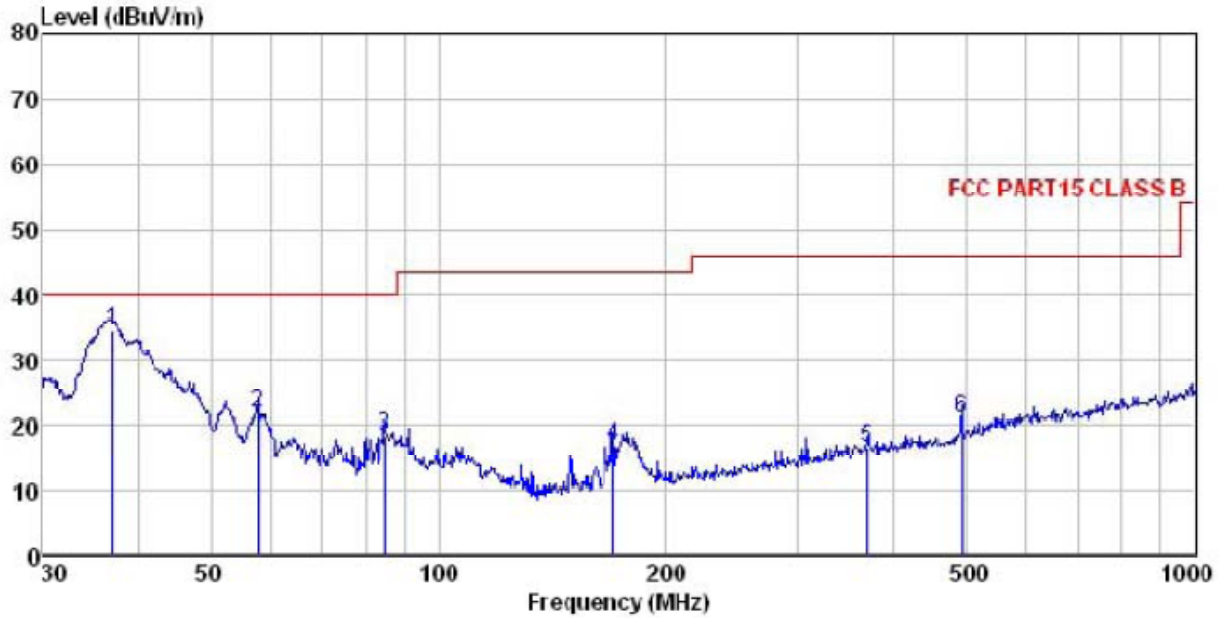
Remark:

1. *During the test, pre-scan the GFSK, $\pi/4$ -DQPSK, 8DPSK modulation, and all data were shown in report.*
2. *Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis is the worst case.*
3. *9 kHz to 30 MHz is noise floor, so only shows the data of above 30MHz in this report.*

Measurement data:

Below 1GHz

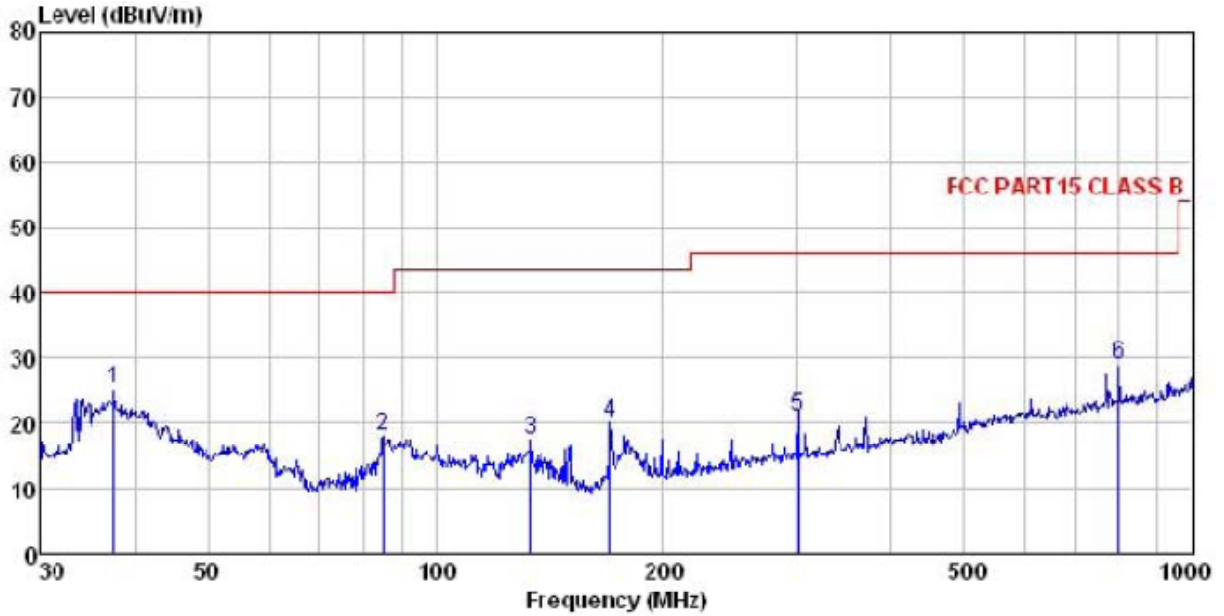
Vertical:



Site : 3m chamber
 Condition : FCC PART15 CLASS B 3m VULB9163(30M1G) VERTICAL
 EUT : MID
 Model : EQ823R
 Test mode : BT MODE
 Power Rating : AC120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Vincent
 REMARK :

	Read	Antenna	Cable	Preamp	Limit	Over		
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	37.025	47.64	12.82	1.11	26.98	34.59	40.00	-5.41 QP
2	57.594	36.51	12.87	1.37	28.99	21.86	40.00	-18.14 QP
3	84.999	36.29	10.31	1.83	30.10	18.33	40.00	-21.67 QP
4	170.195	34.06	8.97	2.66	28.78	16.91	43.50	-26.59 QP
5	369.405	28.55	14.51	3.09	29.76	16.39	46.00	-29.61 QP
6	492.469	31.46	16.39	3.55	30.52	20.88	46.00	-25.12 QP

Horizontal:



Site : 3m chamber
 Condition : FCC PART15 CLASS B 3m VULB9163(30M1G) HORIZONTAL
 EUT : MID
 Model : EQ823R
 Test mode : BT MODE
 Power Rating : AC120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Vincent
 REMARK :

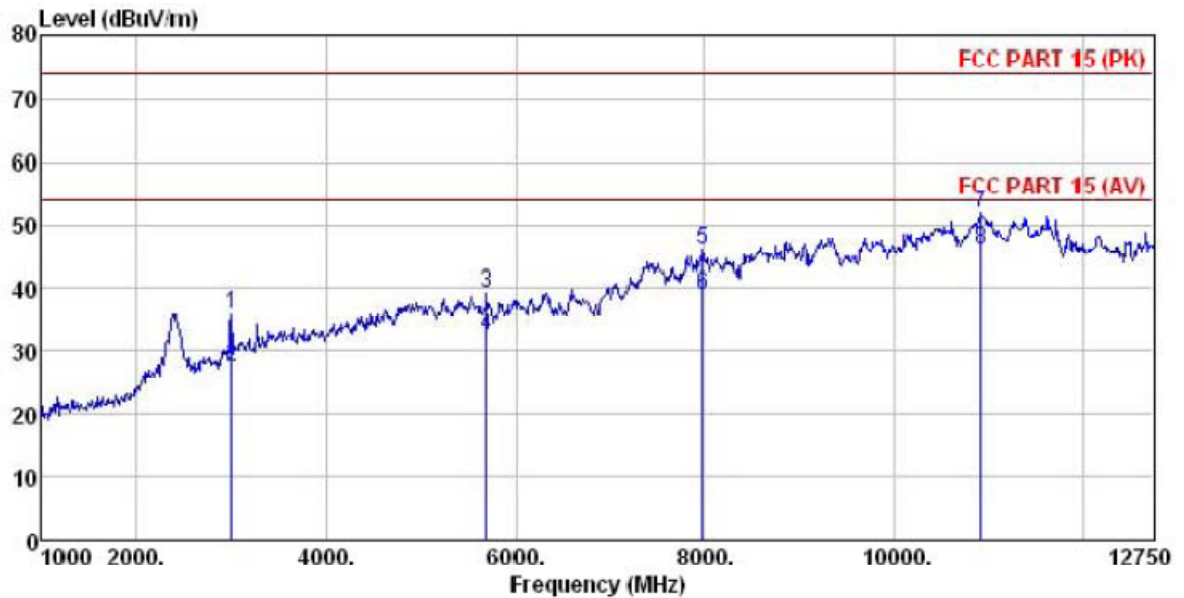
	Freq	ReadAntenna	Cable	Preamp	Level	Linit	Over	Remark
	MHz	Level	Factor	Loss	Factor	Line	Limit	
		dBuV	dE/m	dB	dB	dBuV/m	dBuV/m	dB
1	37.416	38.01	12.92	1.14	27.02	25.05	40.00	-14.95 QP
2	84.999	36.07	10.31	1.83	30.10	18.11	40.00	-21.89 QP
3	133.151	35.86	8.67	2.32	29.48	17.37	43.50	-26.13 QP
4	169.599	37.37	8.95	2.66	28.86	20.12	43.50	-23.38 QP
5	303.367	34.43	13.06	2.94	29.44	20.99	46.00	-25.01 QP
6	793.980	34.85	20.06	4.35	30.41	23.85	46.00	-17.15 QP

Above 1GHz:

GFSK mode

Test channel: Lowest

Vertical

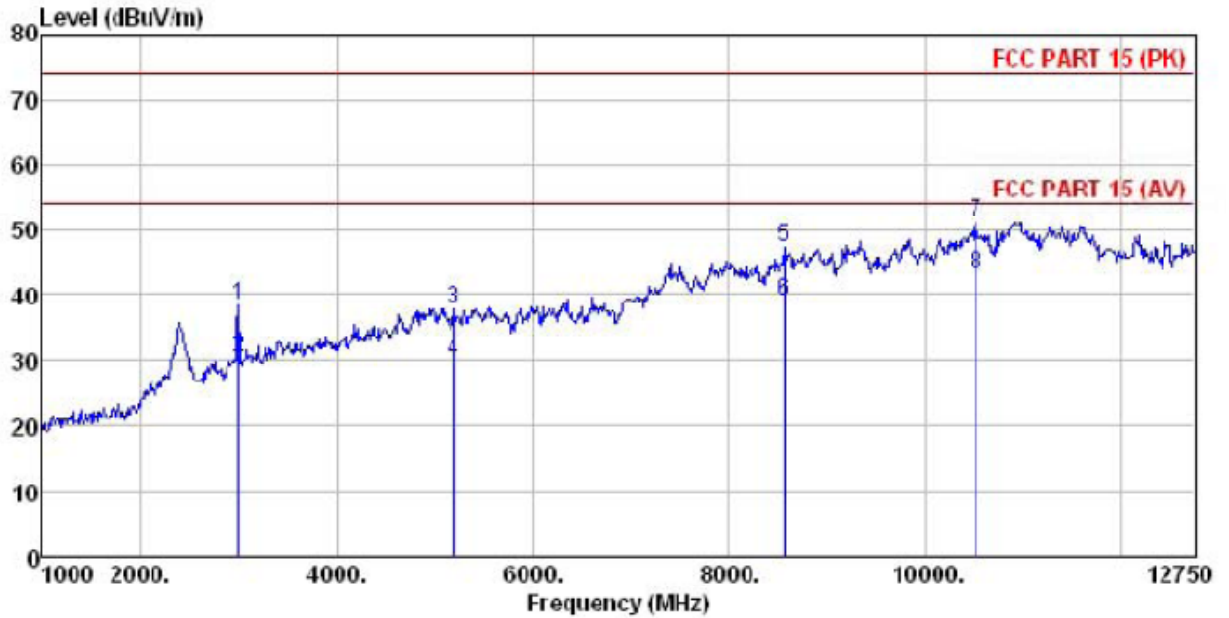


```

Site       : 3m chamber
Condition  : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
EUT       : MID
Model      : EQ823R
Test mode  : BT DH1-L MODE
Power Rating : AC120V/60Hz
Environment : Temp:25.5°C Humi:55%
Test Engineer: Vincent
REMARK    :
    
```

	Freq	ReadLevel	Antenna	Cable	Preamp	Limit	Over	
	MHz	dBuV	dB/m	Loss	Factor	Line	Limit	Remark
		dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2997.500	42.10	28.47	6.02	40.52	36.07	74.00	-37.93 Peak
2	2997.500	33.46	28.47	6.02	40.52	27.43	54.00	-26.57 Average
3	5700.000	38.24	32.21	9.28	40.50	39.23	74.00	-34.77 Peak
4	5700.000	31.59	32.21	9.28	40.50	32.58	54.00	-21.42 Average
5	7979.500	38.79	37.20	11.01	40.99	46.01	74.00	-27.99 Peak
6	7979.500	31.85	37.20	11.01	40.99	39.07	54.00	-14.93 Average
7	10917.000	38.36	40.31	13.64	40.28	52.03	74.00	-21.97 Peak
8	10917.000	32.51	40.31	13.64	40.28	46.18	54.00	-7.82 Average

Horizontal

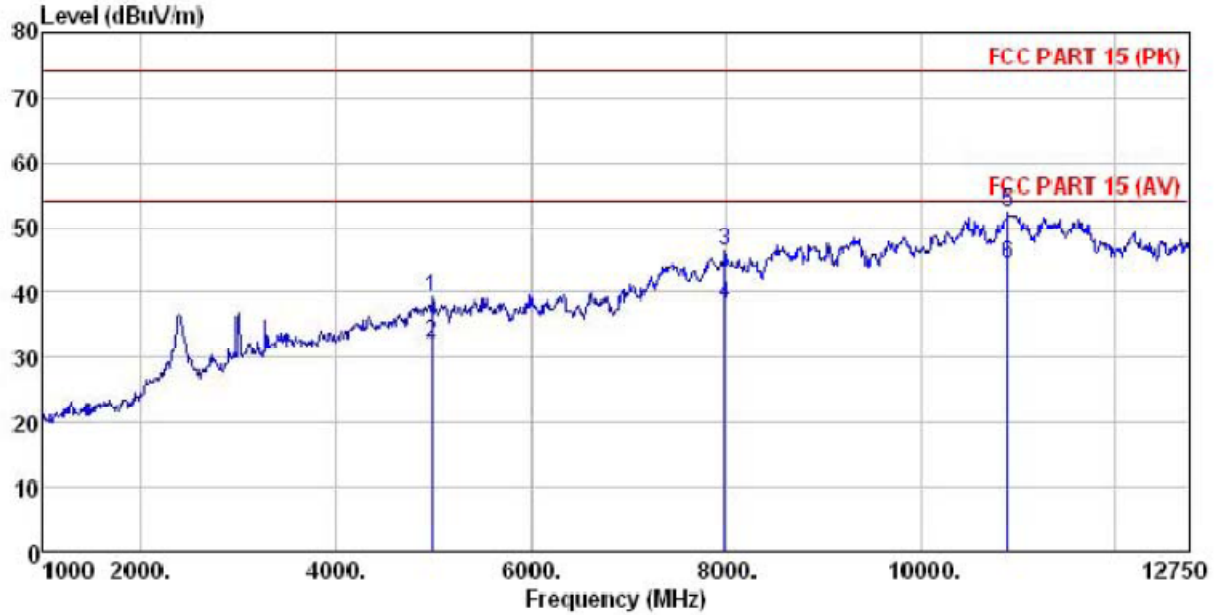


Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
 EUT : MID
 Model : EQ823R
 Test mode : BI DH1-L MODE
 Power Rating : AC120V/60Hz
 Environment : Temp:26.5°C Humi:55%
 Test Engineer: Vincent
 REMARK :

	Read	Antenna	Cable	Preamp	Limit	Over	
Freq	Level	Factor	Loss	Factor	Line	Limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2997.500	44.32	28.47	6.02	40.52	38.29	74.00 -35.71 Peak
2	2997.500	36.46	28.47	6.02	40.52	30.43	54.00 -23.57 Average
3	5194.750	36.90	31.96	9.14	40.09	37.91	74.00 -36.09 Peak
4	5194.750	28.94	31.96	9.14	40.09	29.95	54.00 -24.05 Average
5	8567.000	38.52	36.79	13.45	41.44	47.32	74.00 -26.68 Peak
6	8567.000	30.23	36.79	13.45	41.44	39.03	54.00 -14.97 Average
7	10517.500	38.48	39.62	13.90	41.03	50.97	74.00 -23.03 Peak
8	10517.500	30.74	39.62	13.90	41.03	43.23	54.00 -10.77 Average

Test channel: Middle

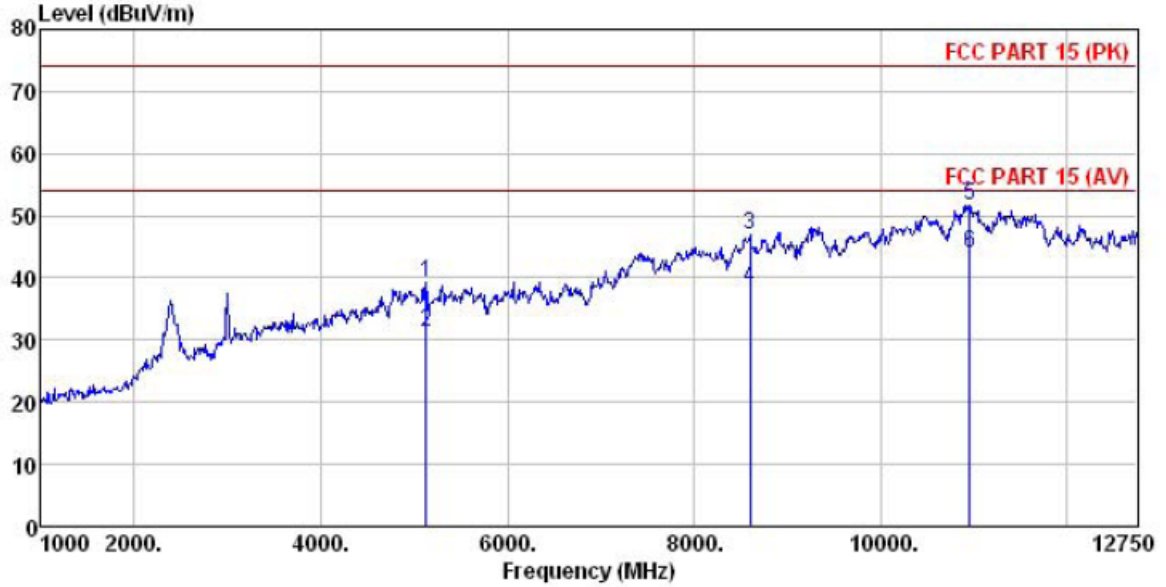
Vertical



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
 EUT : MID
 Model : EQ823R
 Test mode : BT DH1-M MODE
 Power Rating : AC120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Vincent
 REMARK :

	Read	Antenna	Cable	Preamp	Limit	Over	
Freq	Level	Factor	Loss	Factor	Line	Limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	4983.250	38.35	31.74	9.10	40.00	39.19	74.00 -34.81 Peak
2	4983.250	31.48	31.74	9.10	40.00	32.32	54.00 -21.68 Average
3	7979.500	39.12	37.20	11.01	40.99	46.34	74.00 -27.66 Peak
4	7979.500	30.72	37.20	11.01	40.99	37.94	54.00 -16.06 Average
5	10893.500	38.62	40.23	13.65	40.31	52.19	74.00 -21.81 Peak
6	10893.500	30.59	40.23	13.65	40.31	44.16	54.00 -9.84 Average

Horizontal

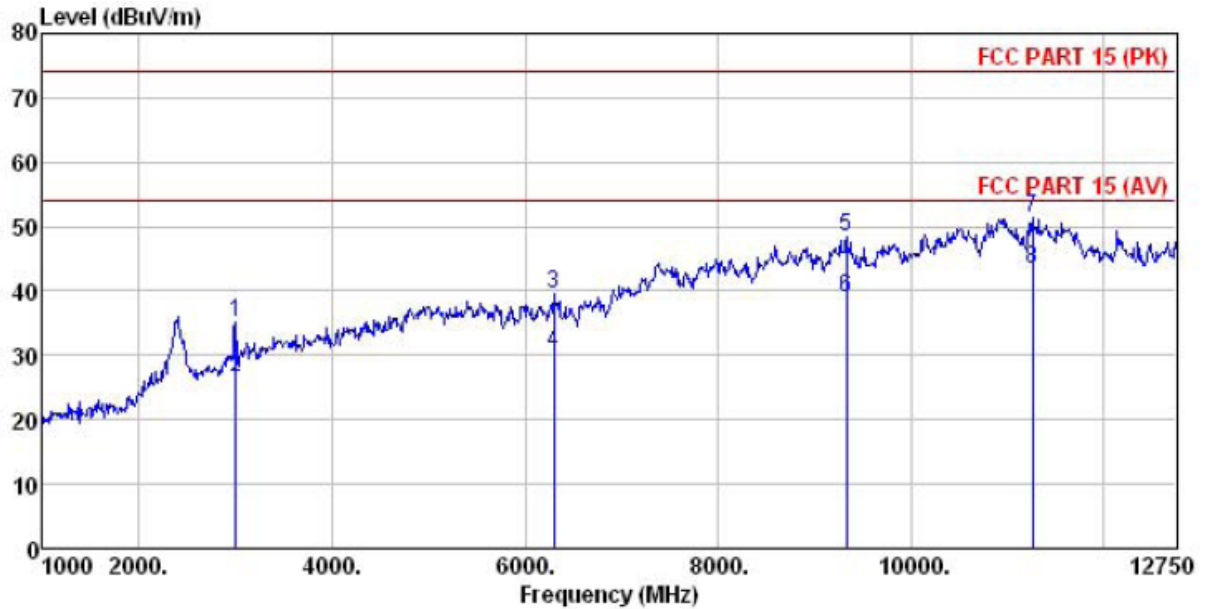


Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
 EUT : MID
 Model : EQ823R
 Test mode : BT DH1-M MODE
 Power Rating : AC120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Vincent
 REMARK :

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5124.250	38.19	32.10	9.13	40.05	39.37	74.00	-34.63	Peak
2	5124.250	30.24	32.10	9.13	40.05	31.42	54.00	-22.58	Average
3	8602.250	38.00	36.86	13.48	41.42	46.92	74.00	-27.08	Peak
4	8602.250	29.54	36.86	13.48	41.42	38.46	54.00	-15.54	Average
5	10952.250	37.91	40.31	13.61	40.22	51.61	74.00	-22.39	Peak
6	10952.250	30.26	40.31	13.61	40.22	43.96	54.00	-10.04	Average

Test channel: Highest

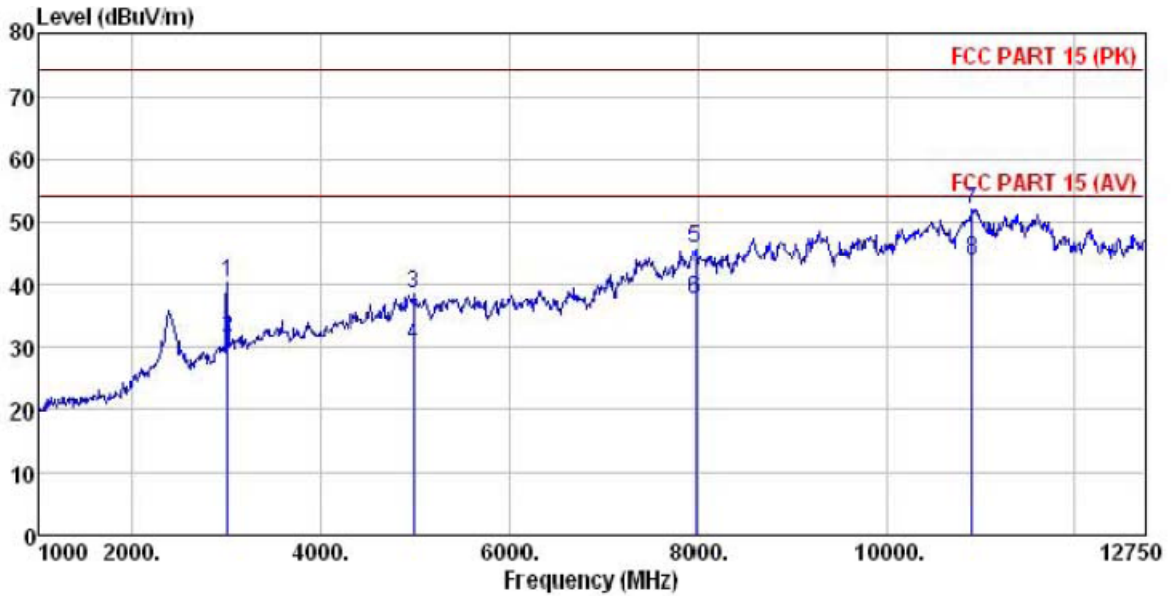
Vertical



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
 EUT : MID
 Model : EQ823R
 Test mode : BT DH1-H MODE
 Power Rating : AC120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Vincent
 REMARK :

	Read	Antenna	Cable	Preamp	Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark	
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	2997.500	41.10	28.47	6.02	40.52	35.07	74.00	-38.93 Peak	
2	2997.500	32.56	28.47	6.02	40.52	26.53	54.00	-27.47 Average	
3	6299.250	37.26	33.49	10.01	41.06	39.70	74.00	-34.30 Peak	
4	6299.250	27.89	33.49	10.01	41.06	30.33	54.00	-23.67 Average	
5	9330.750	38.52	37.88	13.30	41.22	48.48	74.00	-25.52 Peak	
6	9330.750	28.89	37.88	13.30	41.22	38.85	54.00	-15.15 Average	
7	11257.750	38.21	39.96	13.70	40.44	51.43	74.00	-22.57 Peak	
8	11257.750	30.26	39.96	13.70	40.44	43.48	54.00	-10.52 Average	

Horizontal



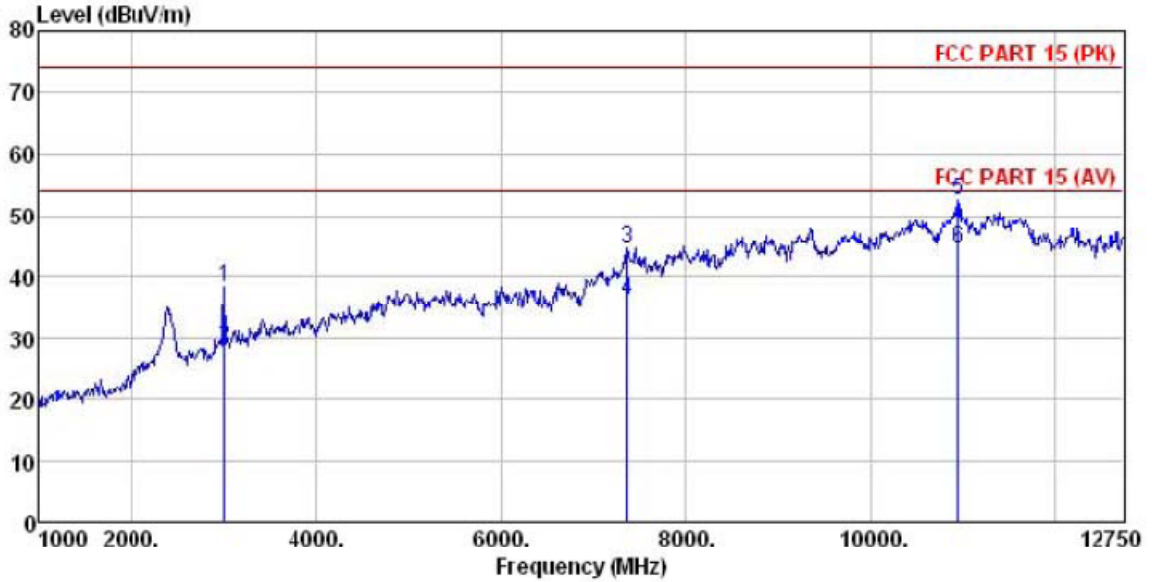
Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
 EUT : MID
 Model : EQ823R
 Test mode : BT DH1-H MODE
 Power Rating : AC120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Vincent
 REMARK :

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2997.500	46.53	28.47	6.02	40.52	40.50	74.00	-33.50	Peak
2	2997.500	37.63	28.47	6.02	40.52	31.60	54.00	-22.40	Average
3	4983.250	37.78	31.74	9.10	40.00	38.62	74.00	-35.38	Peak
4	4983.250	29.66	31.74	9.10	40.00	30.50	54.00	-23.50	Average
5	7967.750	38.70	37.17	11.01	40.99	45.89	74.00	-28.11	Peak
6	7967.750	30.46	37.17	11.01	40.99	37.65	54.00	-16.35	Average
7	10917.000	38.27	40.31	13.64	40.28	51.94	74.00	-22.06	Peak
8	10917.000	30.20	40.31	13.64	40.28	43.87	54.00	-10.13	Average

$\pi/4$ -DQPSK

Test channel: Lowest

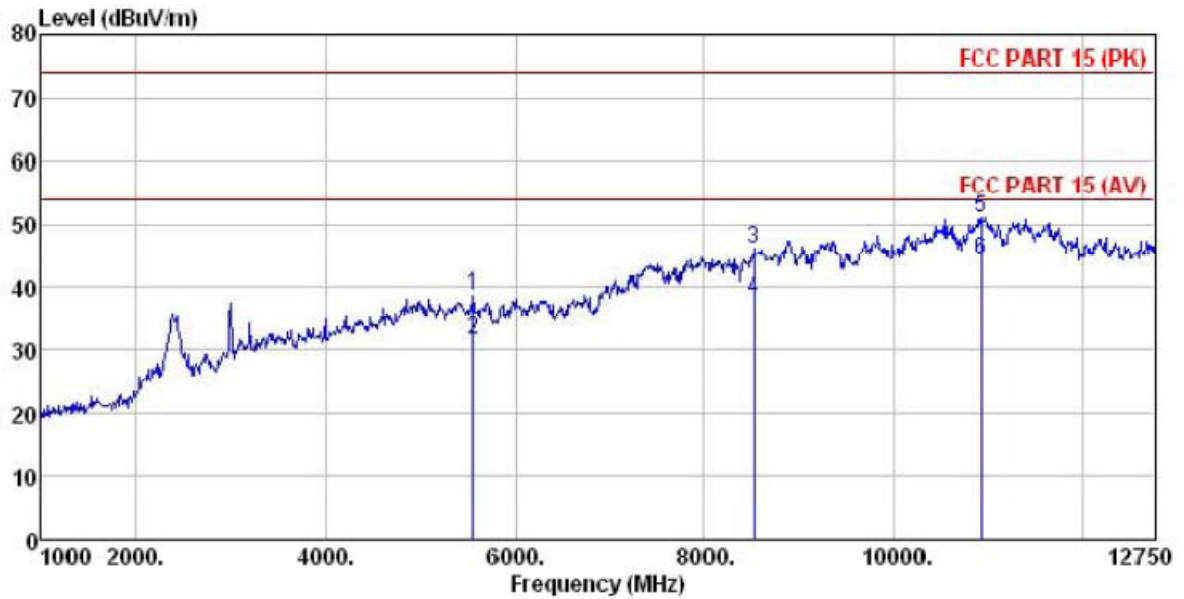
Vertical



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
 EUT : MID
 Model : EQ823R
 Test mode : BT 2DH1-L MODE
 Power Rating : AC120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Vincent
 REMARK :

	Read	Antenna	Cable	Preamp	Linit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2997.500	44.33	28.47	6.02	40.52	38.30	74.00 -35.70 Peak
2	2997.500	34.65	28.47	6.02	40.52	28.62	54.00 -25.38 Average
3	7368.500	38.33	36.49	10.74	41.11	44.45	74.00 -29.55 Peak
4	7368.500	30.26	36.49	10.74	41.11	36.38	54.00 -17.62 Average
5	10952.250	38.85	40.31	13.61	40.22	52.55	74.00 -21.45 Peak
6	10952.250	30.86	40.31	13.61	40.22	44.56	54.00 -9.44 Average

Horizontal

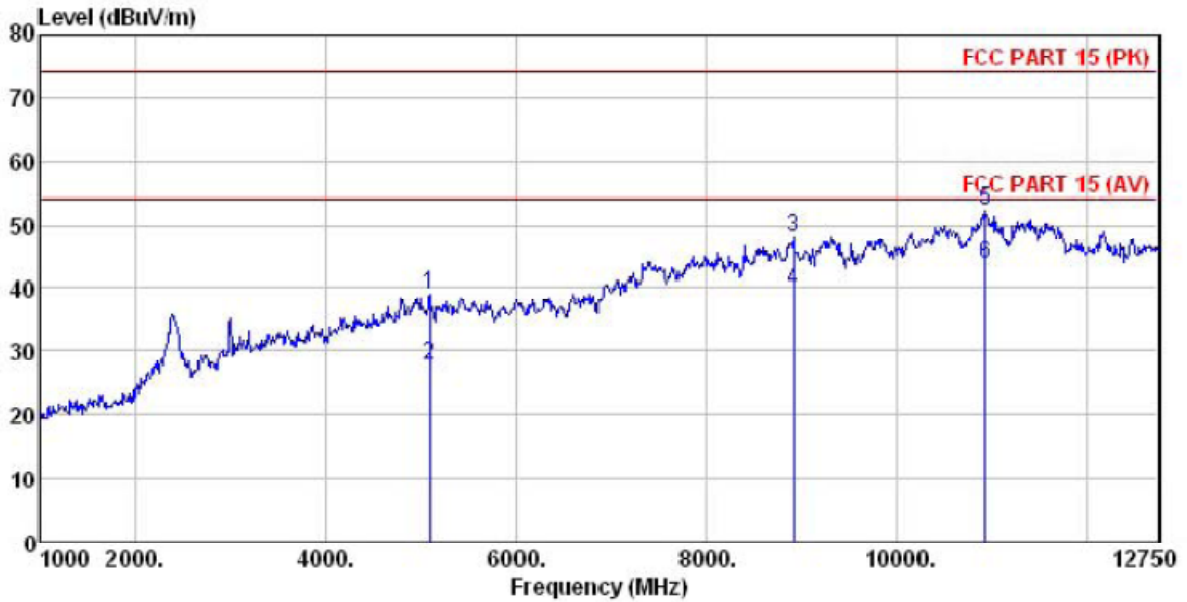


Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
 EUT : MID
 Model : EQ823R
 Test mode : BT 2DH1-L MODE
 Power Rating : AC120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Vincent
 REMARK :

	Read	Antenna	Cable	Preamp	Limit	Over	
Freq	Level	Factor	Loss	Factor	Line	Limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	5559.000	37.63	32.09	9.19	40.32	38.59	74.00 -35.41 Peak
2	5559.000	30.50	32.09	9.19	40.32	31.46	54.00 -22.54 Average
3	8520.000	37.44	36.67	13.41	41.46	46.06	74.00 -27.94 Peak
4	8520.000	29.58	36.67	13.41	41.46	38.20	54.00 -15.80 Average
5	10928.750	37.53	40.31	13.63	40.25	51.22	74.00 -22.78 Peak
6	10928.750	30.58	40.31	13.63	40.25	44.27	54.00 -9.73 Average

Test channel: Middle

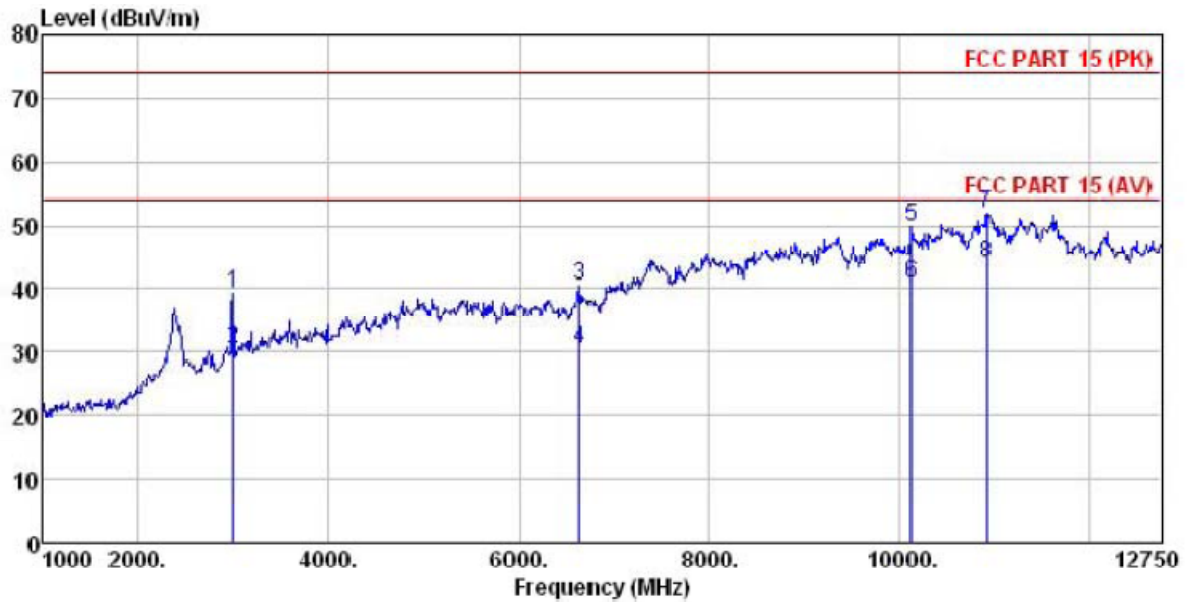
Vertical



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
 EUT : MID
 Model : EQ823R
 Test mode : BT 2DH1-M MODE
 Power Rating : AC120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Vincent
 REMARK :

	Freq	ReadLevel	Antenna	Cable	Preamp	Level	Limit	Over	Remark
	MHz	dBuV	Factor	Loss	Factor	dBuV/m	dBuV/m	Limit	
			dB/m	dB	dB			dB	
1	5100.750	37.63	32.11	9.13	40.04	38.83	74.00	-35.17	Peak
2	5100.750	26.65	32.11	9.13	40.04	27.85	54.00	-26.15	Average
3	8919.500	38.90	36.86	13.72	41.26	48.22	74.00	-25.78	Peak
4	8919.500	30.25	36.86	13.72	41.26	39.57	54.00	-14.43	Average
5	10940.500	38.64	40.33	13.61	40.22	52.36	74.00	-21.64	Peak
6	10940.500	29.86	40.33	13.61	40.22	43.58	54.00	-10.42	Average

Horizontal

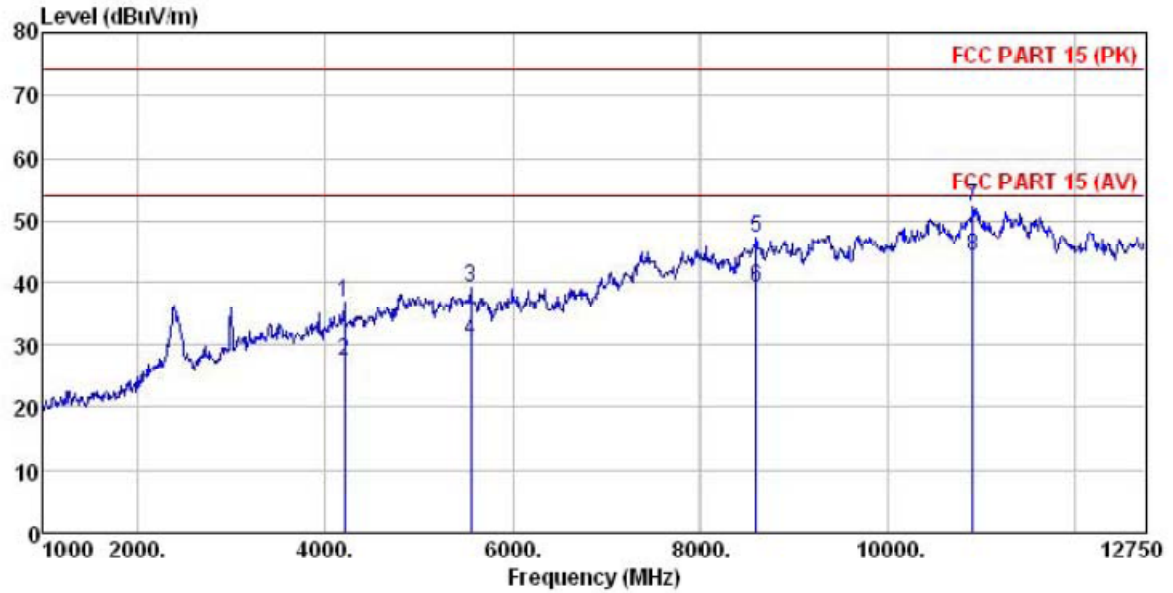


Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
 EUT : MID
 Model : EQ823R
 Test mode : BT 2DH1-M MODE
 Power Rating : AC120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Vincent
 REMARK :

	Read	Antenna	Cable	Preamp	Limit	Over	
Freq	Level	Factor	Loss	Factor	Line	Limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2997.500	45.36	28.47	6.02	40.52	39.33	74.00 -34.67 Peak
2	2997.500	36.56	28.47	6.02	40.52	30.53	54.00 -23.47 Average
3	6640.000	36.72	34.52	10.38	41.24	40.38	74.00 -33.62 Peak
4	6640.000	26.62	34.52	10.38	41.24	30.28	54.00 -23.72 Average
5	10129.750	39.27	38.73	13.70	41.83	49.87	74.00 -24.13 Peak
6	10129.750	30.27	38.73	13.70	41.83	40.87	54.00 -13.13 Average
7	10928.750	38.22	40.31	13.63	40.25	51.91	74.00 -22.09 Peak
8	10928.750	30.25	40.31	13.63	40.25	43.94	54.00 -10.06 Average

Test channel: Highest

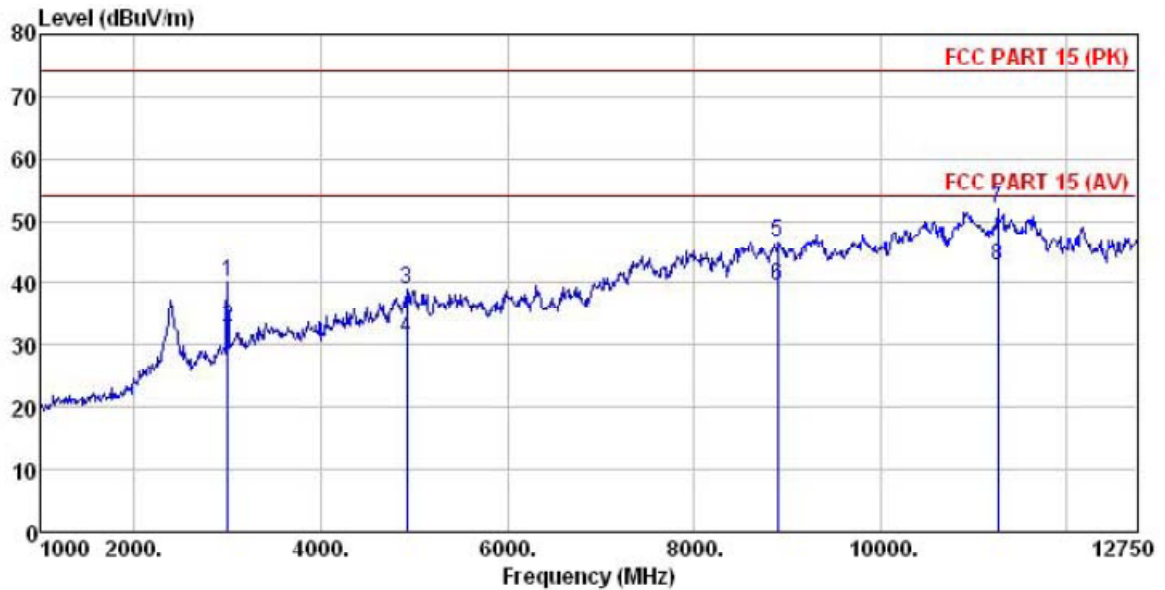
Vertical



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
 EUT : MID
 Model : EQ823R
 Test mode : BT 2DH1-H MODE
 Power Rating : AC120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Vincent
 REMARK :

	Read	Antenna	Cable	Preamp	Limit	Over	
Freq	Level	Factor	Loss	Factor	Line	Limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	4207.750	39.59	30.24	8.02	40.94	36.91	74.00 -37.09 Peak
2	4207.750	30.26	30.24	8.02	40.94	27.58	54.00 -26.42 Average
3	5547.250	38.33	32.09	9.18	40.30	39.30	74.00 -34.70 Peak
4	5547.250	29.65	32.09	9.18	40.30	30.62	54.00 -23.38 Average
5	8590.500	38.45	36.83	13.46	41.43	47.31	74.00 -26.69 Peak
6	8590.500	30.26	36.83	13.46	41.43	39.12	54.00 -14.88 Average
7	10917.000	38.65	40.31	13.64	40.28	52.32	74.00 -21.68 Peak
8	10917.000	30.68	40.31	13.64	40.28	44.35	54.00 -9.65 Average

Horizontal



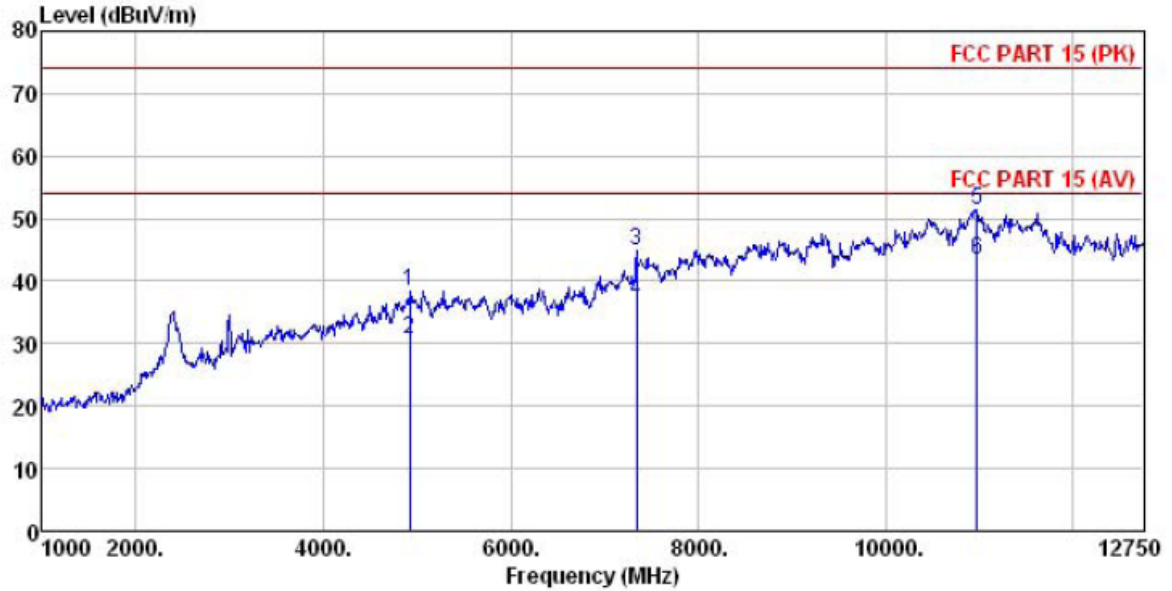
Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
 EUT : MID
 Model : EQ823R
 Test mode : BT 2DH1-H MODE
 Power Rating : AC120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Vincent
 REMARK :

	ReadAntenna	Cable	Preamp	Limit	Over		
Freq	Level	Factor	Loss	Factor	Level	Line	
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	
1	2997.500	46.27	28.47	6.02	40.52	40.24	74.00 -33.76 Peak
2	2997.500	38.66	28.47	6.02	40.52	32.63	54.00 -21.37 Average
3	4924.500	38.53	31.61	9.04	40.08	39.10	74.00 -34.90 Peak
4	4924.500	30.38	31.61	9.04	40.08	30.95	54.00 -23.05 Average
5	8896.000	37.25	36.91	13.69	41.28	46.57	74.00 -27.43 Peak
6	8896.000	30.31	36.91	13.69	41.28	39.63	54.00 -14.37 Average
7	11257.750	38.65	39.96	13.70	40.44	51.87	74.00 -22.13 Peak
8	11257.750	29.65	39.96	13.70	40.44	42.87	54.00 -11.13 Average

8DPSK mode

Test channel: Lowest

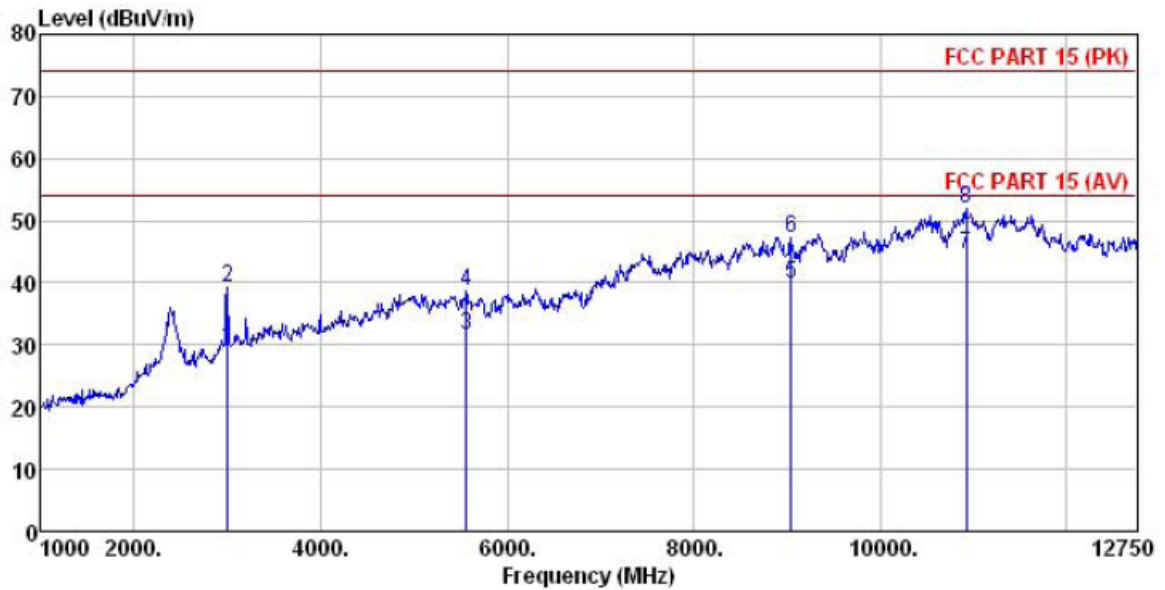
Vertical



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
 EUT : MID
 Model : EQ823R
 Test mode : BT 3DH1-L MODE
 Power Rating : AC120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Vincent
 REMARK :

	ReadAntenna	Cable	Preamp	Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	4924.500	37.93	31.61	9.04	40.08	38.50	74.00	-35.50 Peak
2	4924.500	30.24	31.61	9.04	40.08	30.81	54.00	-23.19 Average
3	7345.000	38.78	36.47	10.71	41.13	44.83	74.00	-29.17 Peak
4	7345.000	30.85	36.47	10.71	41.13	36.90	54.00	-17.10 Average
5	10975.750	37.76	40.30	13.59	40.15	51.50	74.00	-22.50 Peak
6	10975.750	29.69	40.30	13.59	40.15	43.43	54.00	-10.57 Average

Horizontal

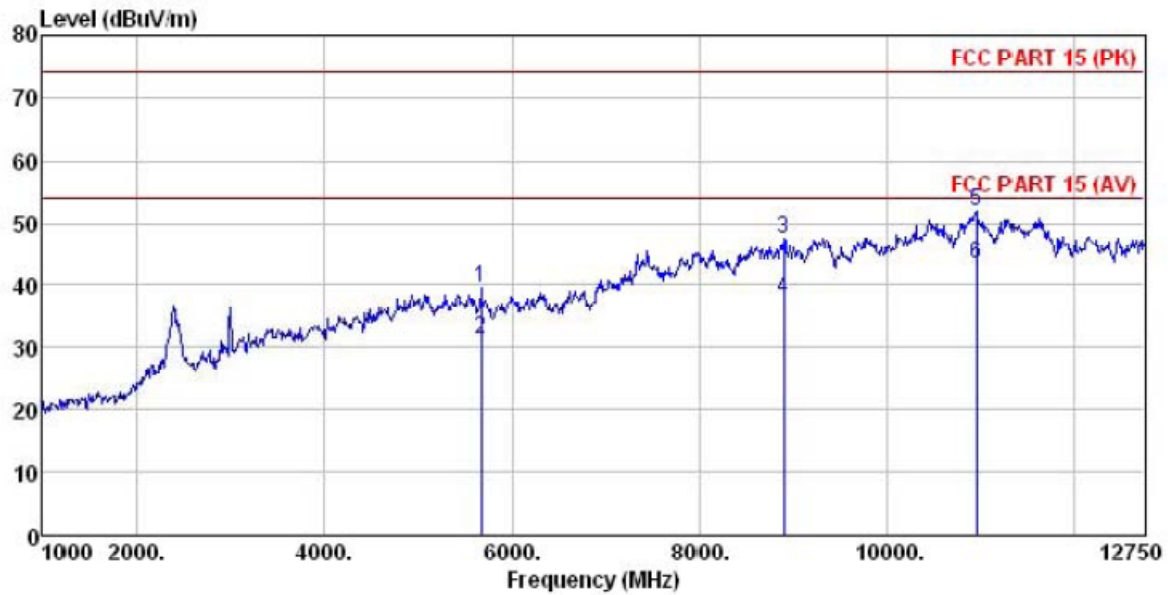


Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
 EUT : MID
 Model : EQ823R
 Test mode : BT 3DH1-L MODE
 Power Rating : AC120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Vincent
 REMARK :

	Freq	ReadAntenna	Cable Preamp	Limit	Over				
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
		dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2997.500	35.62	28.47	6.02	40.52	29.59	54.00	-24.41	Average
2	2997.500	45.21	28.47	6.02	40.52	39.18	74.00	-34.82	
3	5559.000	30.57	32.09	9.19	40.32	31.53	54.00	-22.47	Average
4	5559.000	37.63	32.09	9.19	40.32	38.59	74.00	-35.41	
5	9048.750	30.26	36.96	13.73	41.22	39.73	54.00	-14.27	Average
6	9048.750	37.76	36.96	13.73	41.22	47.23	74.00	-26.77	
7	10928.750	30.96	40.31	13.63	40.25	44.65	54.00	-9.35	Average
8	10928.750	38.27	40.31	13.63	40.25	51.96	74.00	-22.04	

Test channel: Middle

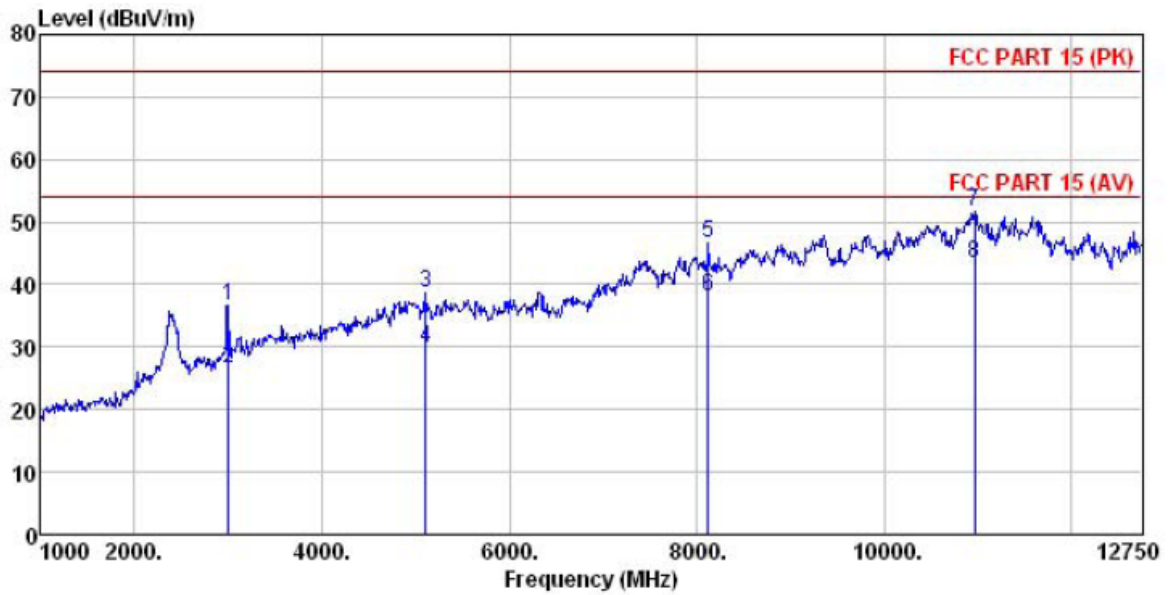
Vertical



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
 EUT : MID
 Model : EQ823R
 Test mode : BT 3DH1-M MODE
 Power Rating : AC120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Vincent
 REMARK :

	Read	Antenna	Cable	Preamp	Limit	Over	
Freq	Level	Factor	Loss	Factor	Line	Limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	5664.750	38.49	32.16	9.26	40.45	39.46	74.00 -34.54 Peak
2	5664.750	30.45	32.16	9.26	40.45	31.42	54.00 -22.58 Average
3	8896.000	38.26	36.91	13.69	41.28	47.58	74.00 -26.42 Peak
4	8896.000	28.56	36.91	13.69	41.28	37.88	54.00 -16.12 Average
5	10964.000	38.16	40.31	13.60	40.18	51.89	74.00 -22.11 Peak
6	10964.000	29.80	40.31	13.60	40.18	43.53	54.00 -10.47 Average

Horizontal

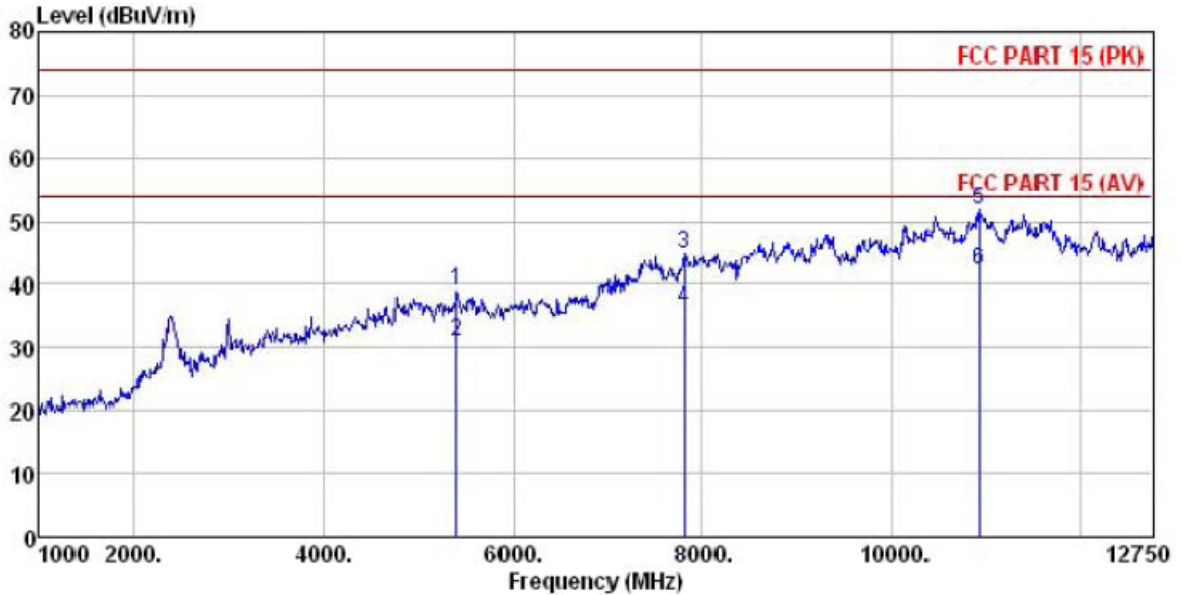


Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
 EUT : MID
 Model : EQ823R
 Test mode : BT 3DH1-M MODE
 Power Rating : AC120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Vincent
 REMARK :

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2997.500	42.56	28.47	6.02	40.52	36.53	74.00	-37.47	Peak
2	2997.500	32.56	28.47	6.02	40.52	26.53	54.00	-27.47	Average
3	5112.500	37.47	32.10	9.13	40.05	38.65	74.00	-35.35	Peak
4	5112.500	28.65	32.10	9.13	40.05	29.83	54.00	-24.17	Average
5	8120.500	39.04	37.02	11.59	41.11	46.54	74.00	-27.46	Peak
6	8120.500	30.53	37.02	11.59	41.11	38.03	54.00	-15.97	Average
7	10964.000	37.83	40.31	13.60	40.18	51.56	74.00	-22.44	Peak
8	10964.000	29.59	40.31	13.60	40.18	43.32	54.00	-10.68	Average

Test channel: Highest

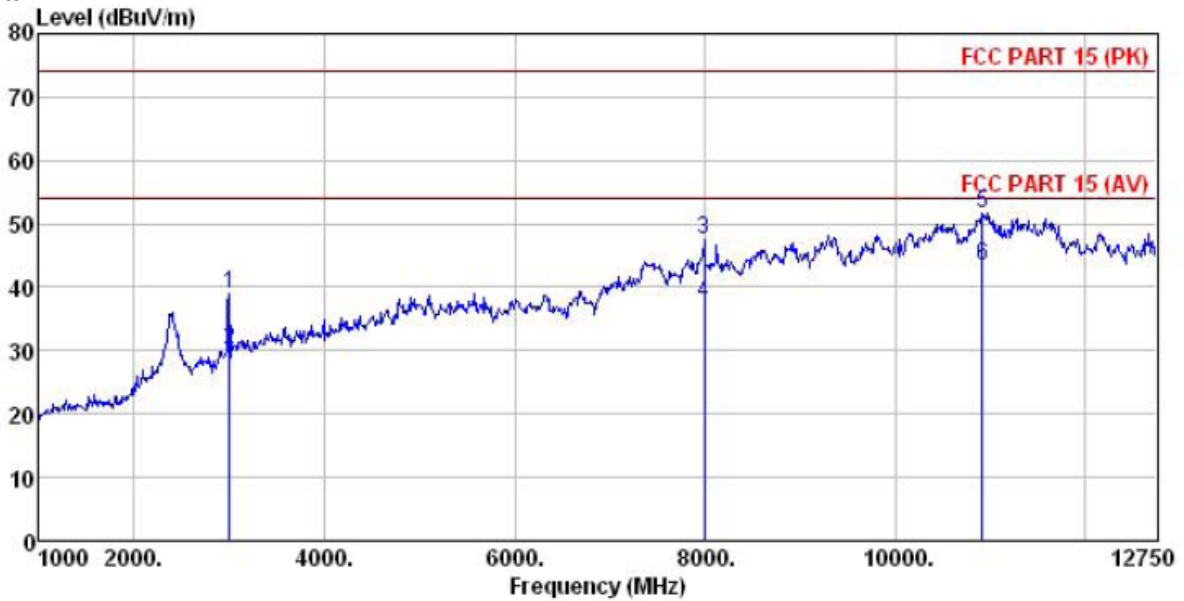
Vertical



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
 EUT : MID
 Model : EQ823R
 Test mode : BT 3DH1-H MODE
 Power Rating : AC120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Vincent
 REMARK :

	Read	Antenna	Cable	Preamp	Limit	Over	
Freq	Level	Factor	Loss	Factor	Line	Limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	5406.250	38.13	31.87	9.15	40.20	38.95	74.00 -35.05 Peak
2	5406.250	30.26	31.87	9.15	40.20	31.08	54.00 -22.92 Average
3	7815.000	38.29	36.78	10.95	41.00	45.02	74.00 -28.98 Peak
4	7815.000	29.66	36.78	10.95	41.00	36.39	54.00 -17.61 Average
5	10928.750	38.13	40.31	13.63	40.25	51.82	74.00 -22.18 Peak
6	10928.750	28.56	40.31	13.63	40.25	42.25	54.00 -11.75 Average

Horizontal



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
 EUT : MID
 Model : EQ823R
 Test mode : BT 3DH1-H MODE
 Power Rating : AC120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Vincent
 REMARK :

	Read	Antenna	Cable	Preamp	Limit	Over	
Freq	Level	Factor	Loss	Factor	Line	Limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2997.500	44.87	28.47	6.02	40.52	38.84	74.00 -35.16 Peak
2	2997.500	36.26	28.47	6.02	40.52	30.23	54.00 -23.77 Average
3	7991.250	40.23	37.20	11.01	40.99	47.45	74.00 -26.55 Peak
4	7991.250	30.27	37.20	11.01	40.99	37.49	54.00 -16.51 Average
5	10917.000	37.91	40.31	13.64	40.28	51.58	74.00 -22.42 Peak
6	10917.000	29.64	40.31	13.64	40.28	43.31	54.00 -10.69 Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamp Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.