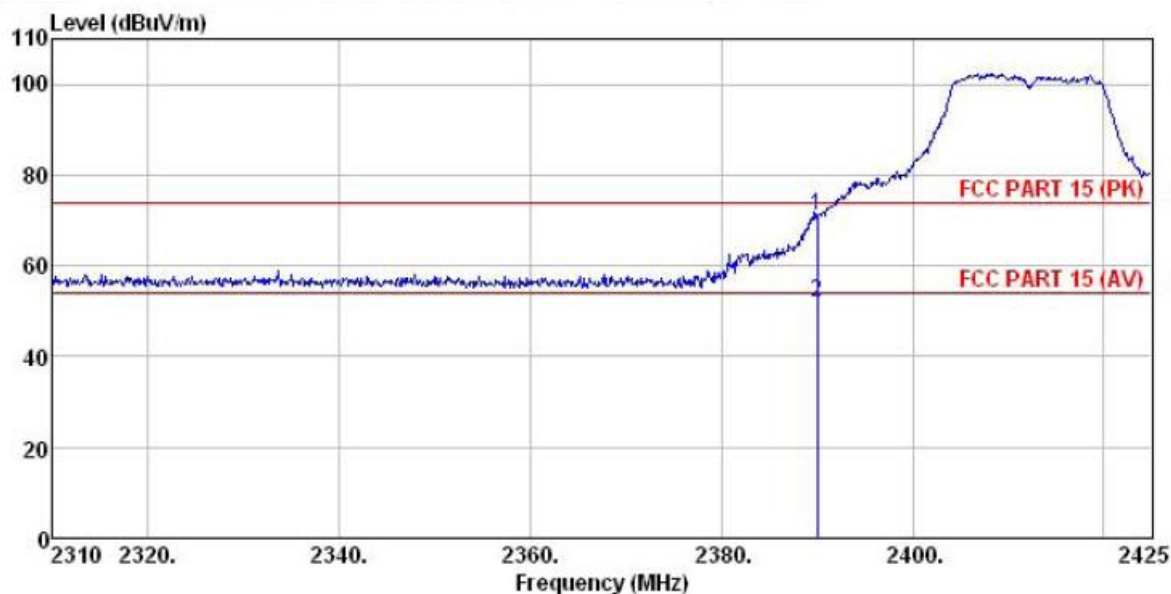


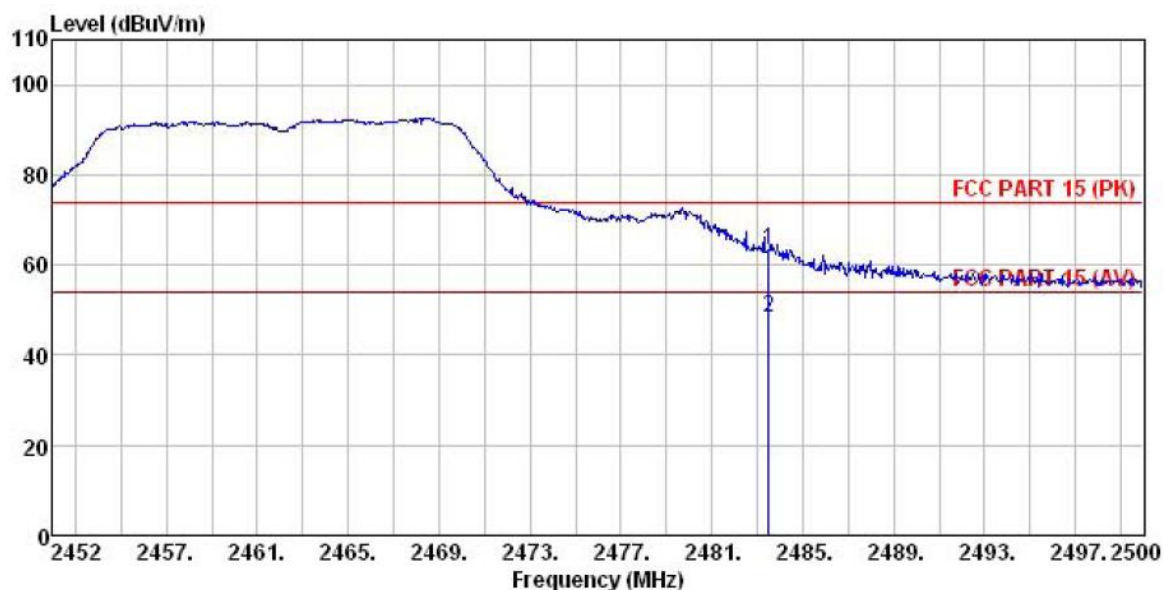
Vertical :



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

	Freq	ReadAntenna	Cable Preamp	Limit	Over			
	Level Factor	Loss Factor	Level	Line	Limit Remark			
-----	MHz	dBuV	dB/m	dB	dBuV/m	dBuV/m	dB	-----
1	2390.000	37.89	27.58	5.67	0.00	71.14	74.00	-2.86 Peak
2	2390.000	18.82	27.58	5.67	0.00	52.07	54.00	-1.93 Average

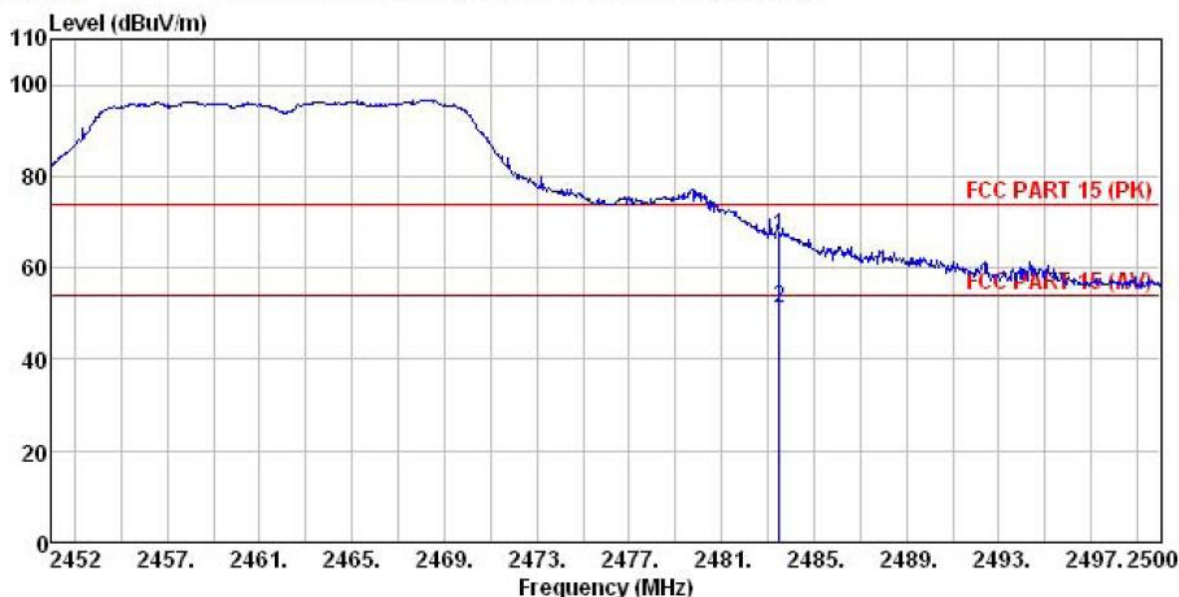
Test channel: Highest
Horizontal :



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
EUT : MID
Model : EQ823R
Test mode : Wifi G-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	Limit
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2483.500	29.98	27.52	5.70	0.00	63.20	74.00
2	2483.500	14.91	27.52	5.70	0.00	48.13	54.00

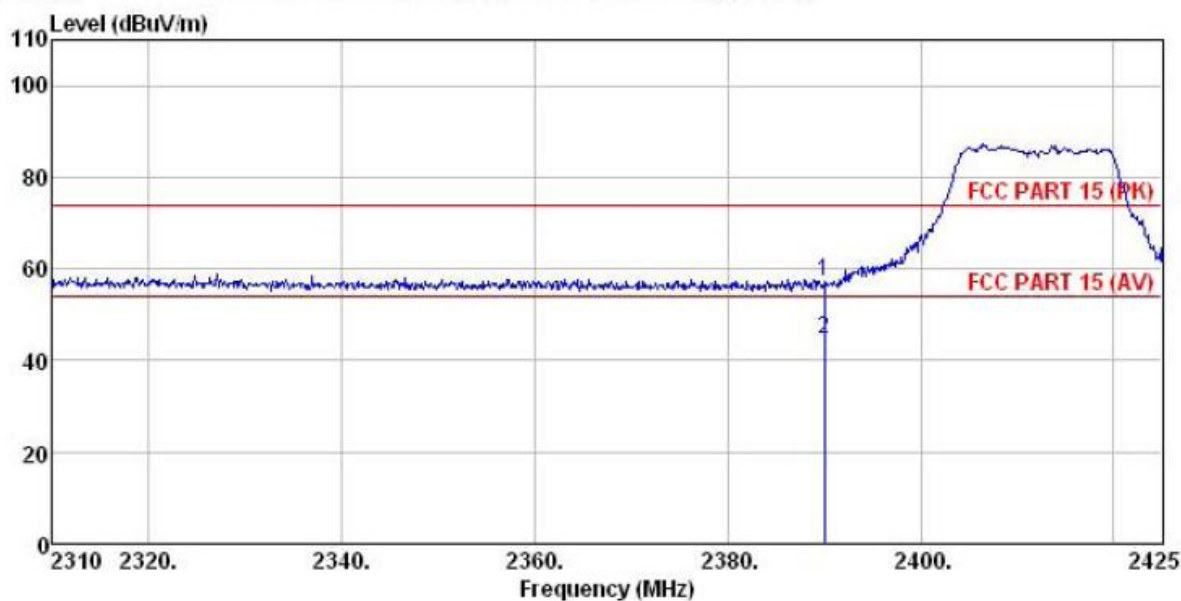
Vertical:



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

	Freq	ReadAntenna	Cable	Preamp		Limit	Over	
	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2483.500	33.74	27.52	5.70	0.00	66.96	74.00	-7.04 Peak
2	2483.500	17.75	27.52	5.70	0.00	50.97	54.00	-3.03 Average

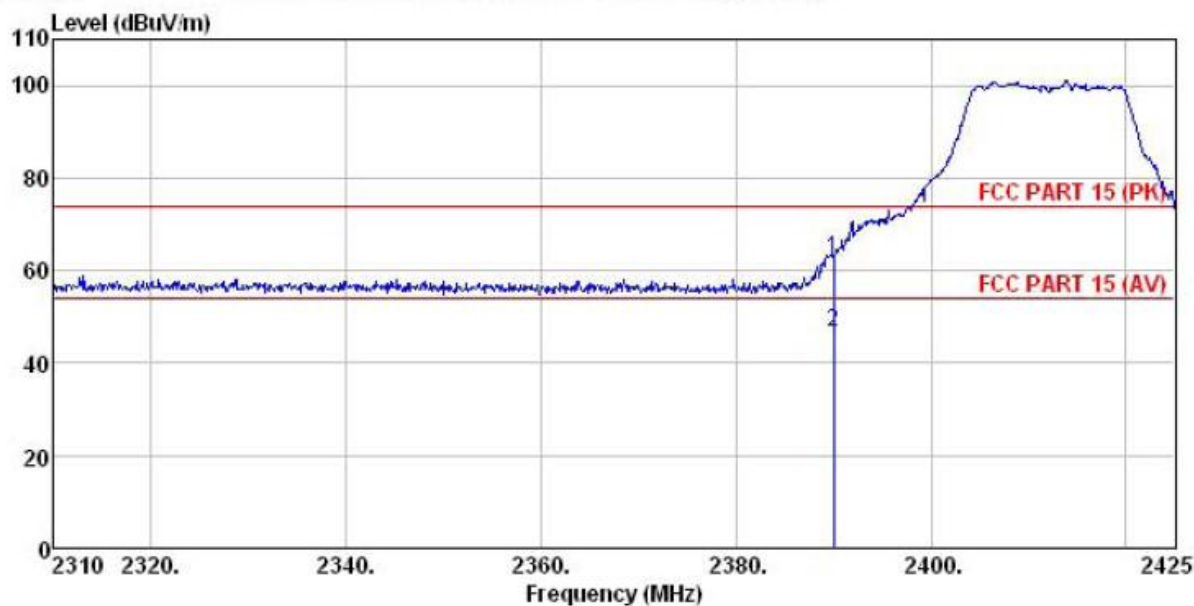
802.11n (H20)
Test channel: Lowest
Horizontal:



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
EUT : MID
Model : EQ823R
Test mode : Wifi N20-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	2390.000	23.83	27.58	5.67	0.00	57.08	74.00	-16.92 Peak
2	2390.000	11.28	27.58	5.67	0.00	44.53	54.00	-9.47 Average

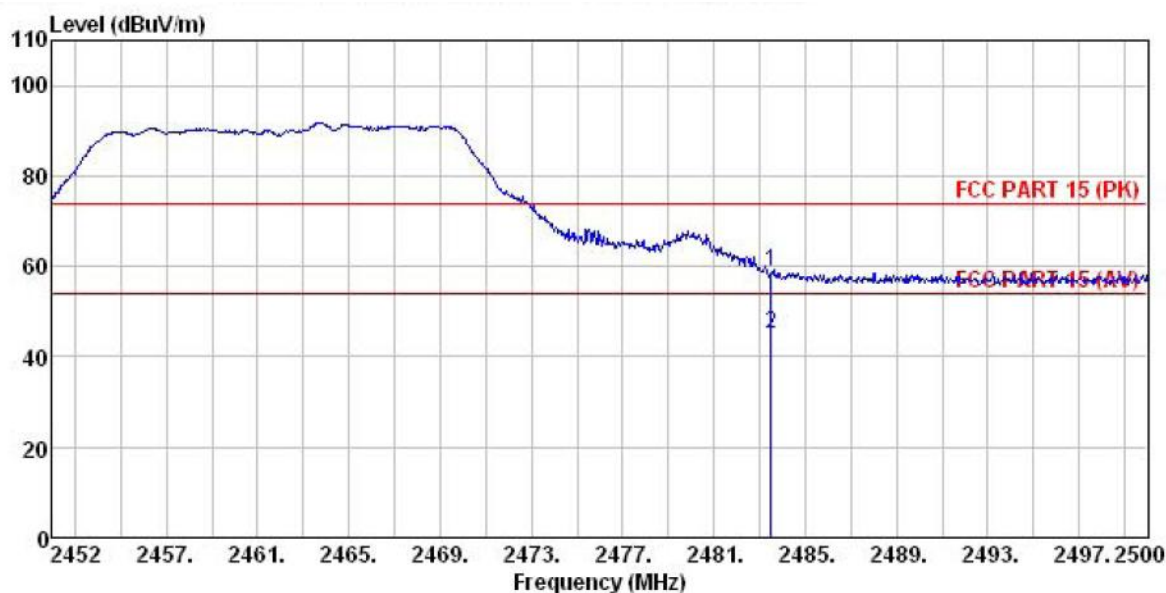
Vertical:



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
EUT : MID
Model : EQ823R
Test mode : Wifi N20-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	2390.000	29.06	27.58	5.67	0.00	62.31	74.00 -11.69 Peak
2	2390.000	13.58	27.58	5.67	0.00	46.83	54.00 -7.17 Average

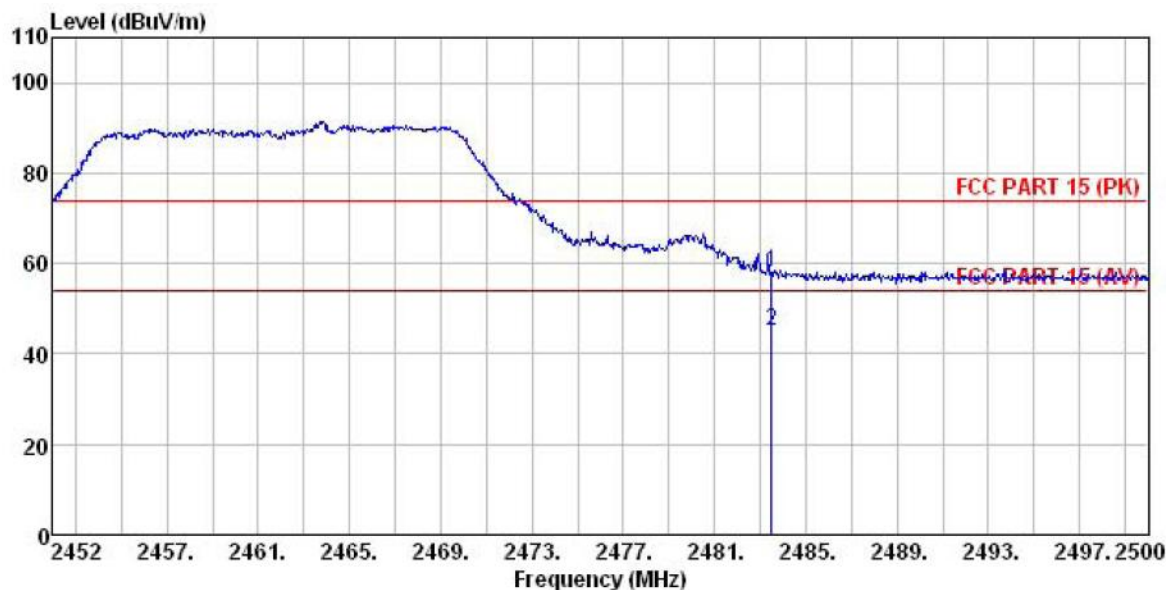
Test channel: Highest
Horizontal:



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
EUT : MID
Model : BQ823R
Test mode : Wifi N20-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	Over	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2483.500	25.48	27.52	5.70	0.00	58.70	74.00	-15.30	Peak
2	2483.500	11.64	27.52	5.70	0.00	44.86	54.00	-9.14	Average

Vertical:



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
 EUT : MID
 Model : EQ823R
 Test mode : Wifi N20-H MODE
 Power Rating : AC120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Vincent
 REMARK :

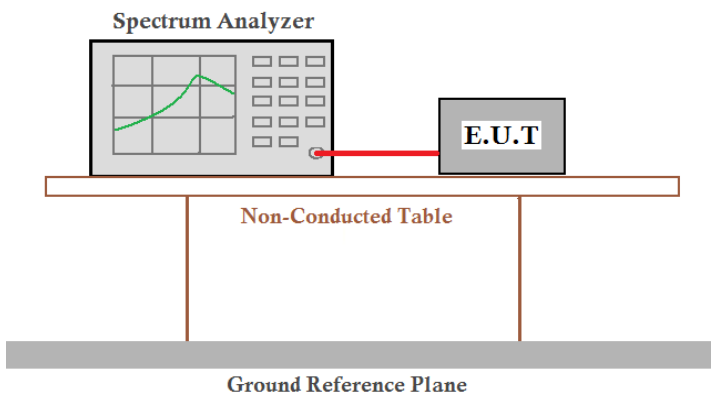
	Read	Antenna	Cable	Preamp		Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
-----	-----	-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 2483.500	24.92	27.52	5.70	0.00	58.14	74.00	-15.86	Peak
2 2483.500	11.65	27.52	5.70	0.00	44.87	54.00	-9.13	Average

Remark:

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

6.7 Spurious Emission

6.7.1 Conducted Emission Method

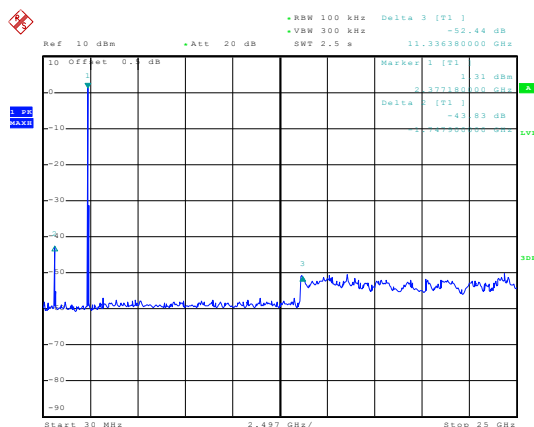
Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	ANSI C63.4:2003 and KDB558074
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.
Test setup:	 <p>The diagram illustrates the test setup. A 'Spectrum Analyzer' is connected to an 'E.U.T' (Equipment Under Test) by a red cable. Both the Spectrum Analyzer and the E.U.T are positioned on a 'Non-Conducted Table'. This table is supported by two vertical legs and rests on a 'Ground Reference Plane', which is represented by a thick grey bar at the bottom of the setup.</p>
Test Instruments:	Refer to section 5.6 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Test plot as follows:

Test mode:

802.11b

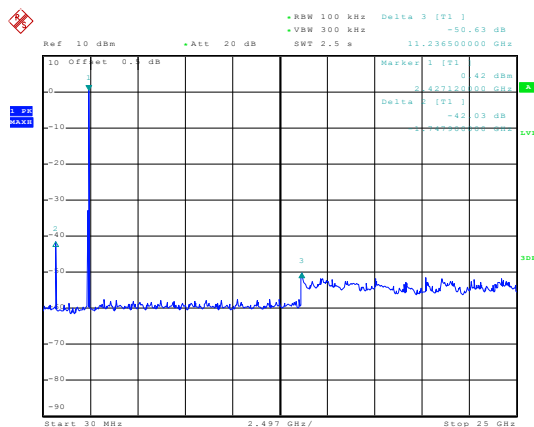
Lowest channel



Date: 20.MAR.2014 23:10:19

30MHz~25GHz

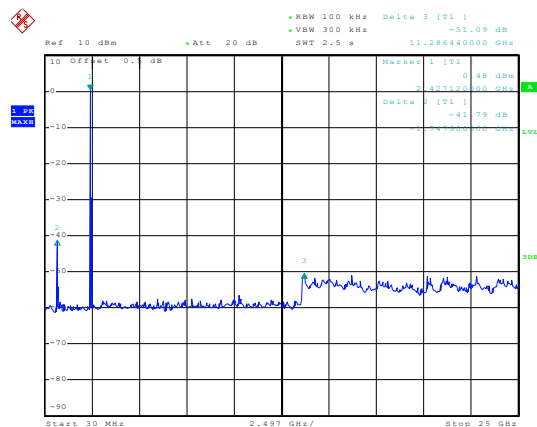
Middle channel



Date: 20.MAR.2014 23:10:50

30MHz~25GHz

Highest channel

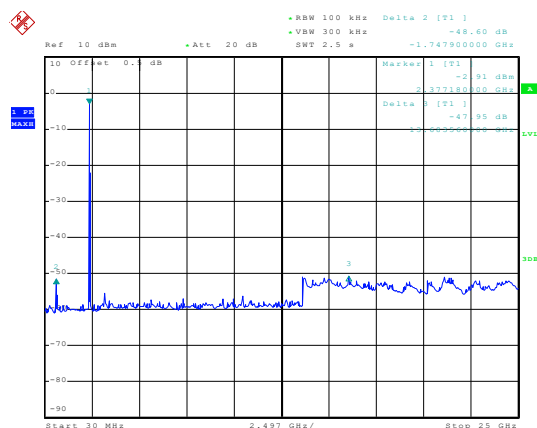


Date: 20. MAR. 2014 23:11:19

30MHz~25GHz

Test mode:	802.11g
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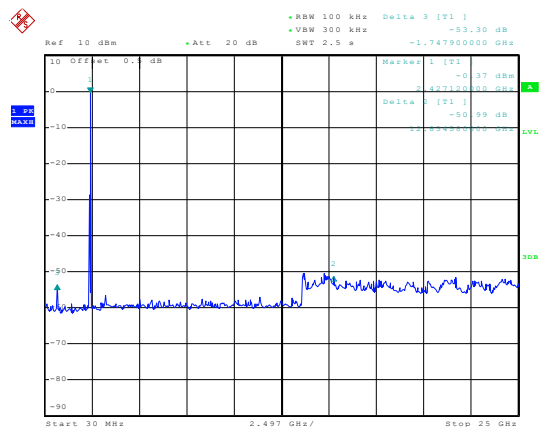
Lowest channel



Date: 20. MAR. 2014 23:13:52

30MHz~25GHz

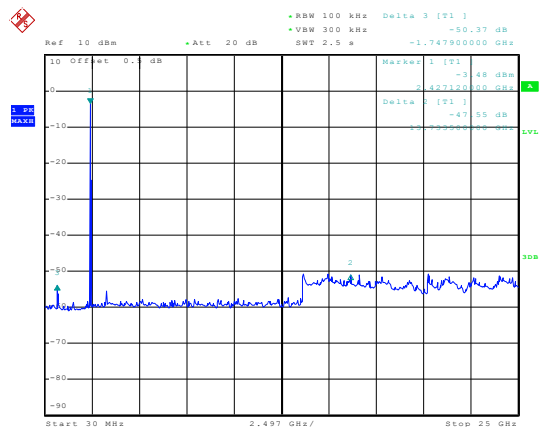
Middle channel



Date: 20.MAR.2014 23:12:59

30MHz~25GHz

Highest channel

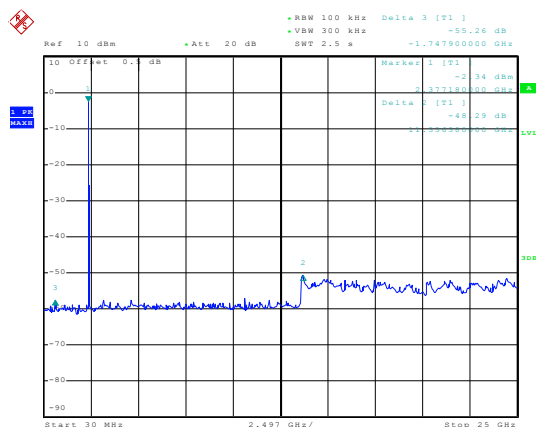


Date: 20.MAR.2014 23:12:10

30MHz~25GHz

Test mode:	802.11n(H20)
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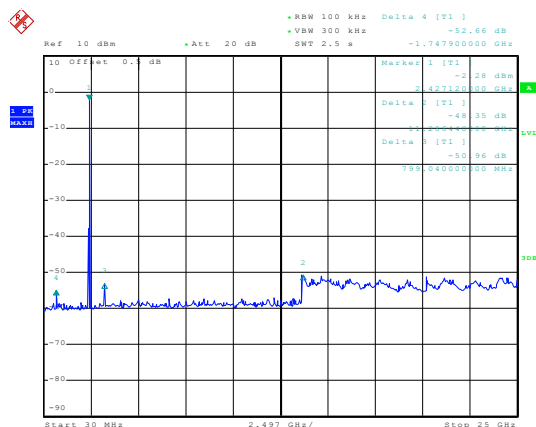
Lowest channel



Date: 20.MAR.2014 23:14:40

30MHz~25GHz

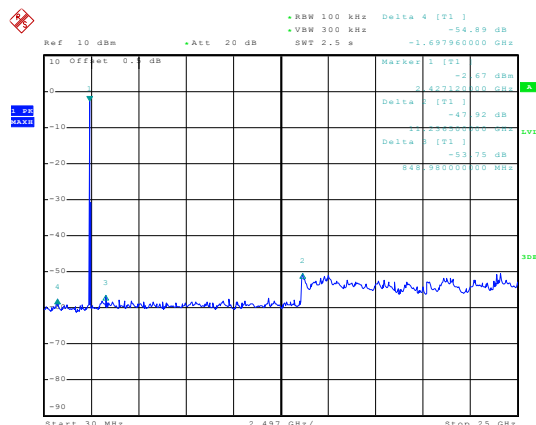
Middle channel



Date: 20.MAR.2014 23:15:44

30MHz~25GHz

Highest channel

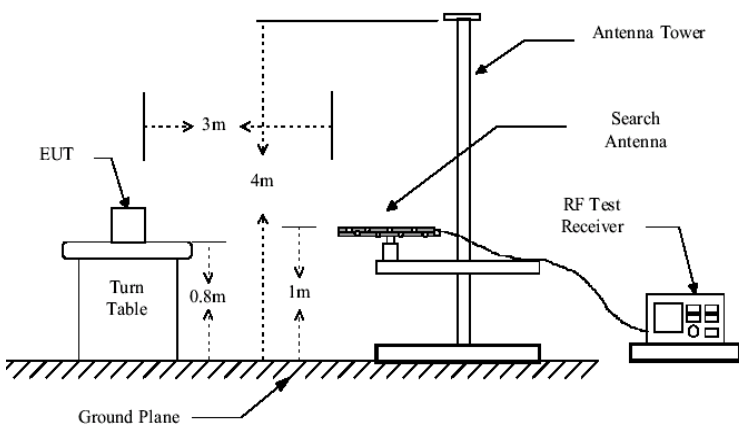
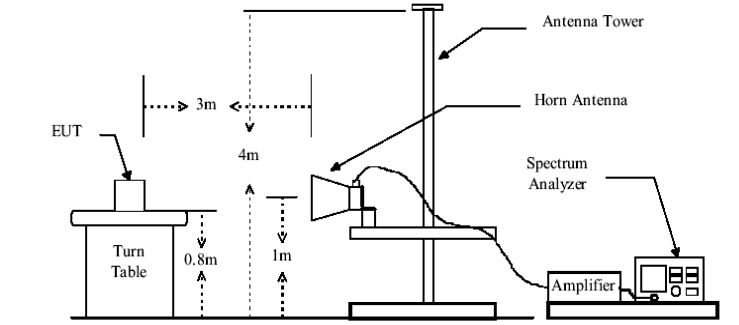


Date: 20. MAR. 2014 23:16:21

30MHz~25GHz

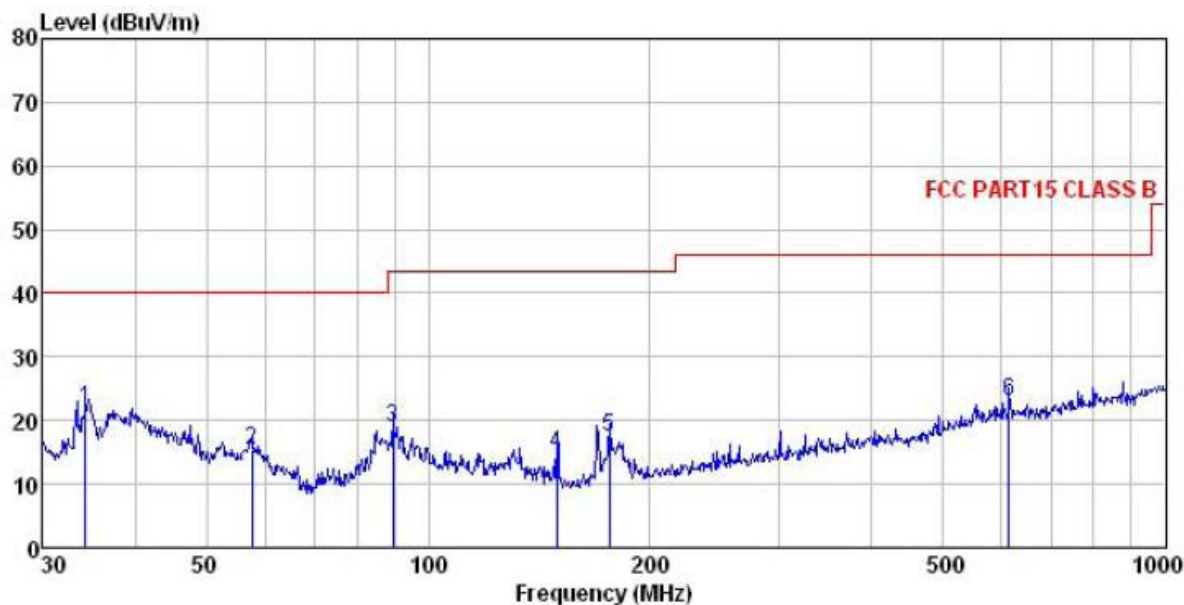
6.7.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section 15.209 and 15.205				
Test Method:	ANSI C63.4:2003				
Test Frequency Range:	9KHz to 25GHz				
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 Procedure:	<div>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.</div> <div>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.</div> <div>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.</div> <div>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.</div> <div>5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</div> <div>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.</div>				

<p>Test setup:</p>	<p>Below 1GHz</p>  <p>Above 1GHz</p> 
<p>Test Instruments:</p>	<p>Refer to section 5.6 for details</p>
<p>Test mode:</p>	<p>Refer to section 5.3 for details</p>
<p>Test results:</p>	<p>Passed</p>
<p>Remark:</p>	<ol style="list-style-type: none"> 1. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis is the worst case. 2. 9 kHz to 30MHz is too low, so only shows the data of above 30MHz in this report.

Below 1GHz

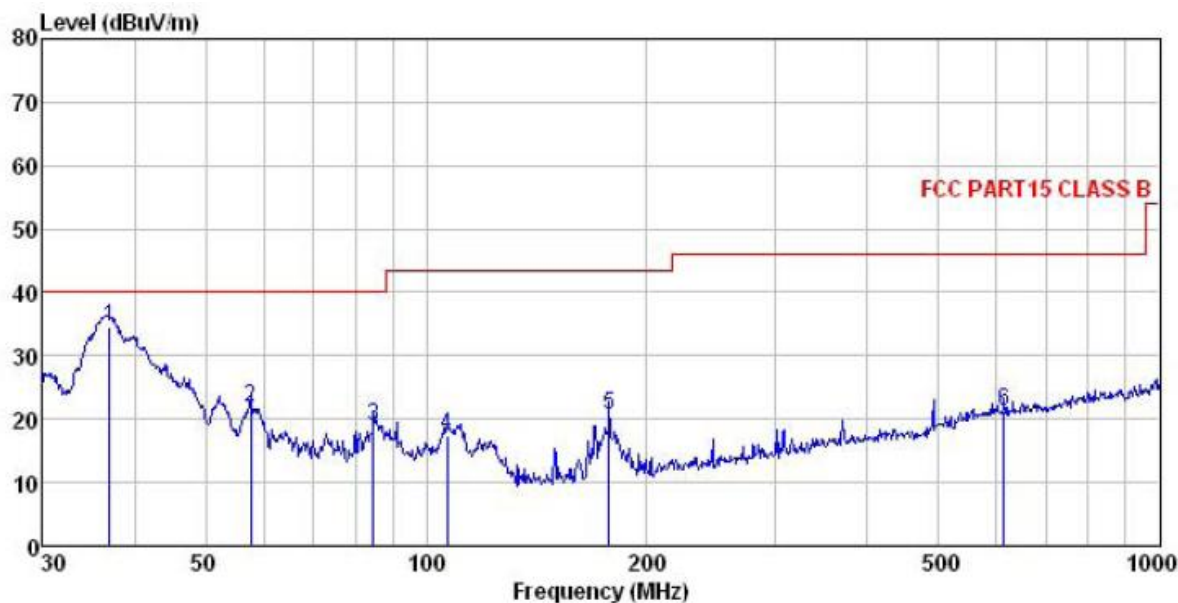
Horizontal :



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

	Freq	ReadAntenna	Cable	Preampl	Level	Limit	Over	
	MHz	Level	Factor	Loss	Factor	Line	Limit	Remark
		dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	34.276	35.34	12.30	1.04	26.73	21.95	40.00	-18.05 QP
2	57.594	30.20	12.87	1.37	28.99	15.45	40.00	-24.55 QP
3	89.590	35.17	11.76	2.04	30.07	18.90	43.50	-24.60 QP
4	149.486	33.35	8.26	2.51	29.24	14.88	43.50	-28.62 QP
5	176.269	32.65	9.42	2.70	27.42	17.35	43.50	-26.15 QP
6	614.214	31.16	18.51	3.92	30.56	23.03	46.00	-22.97 QP

Vertical :



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

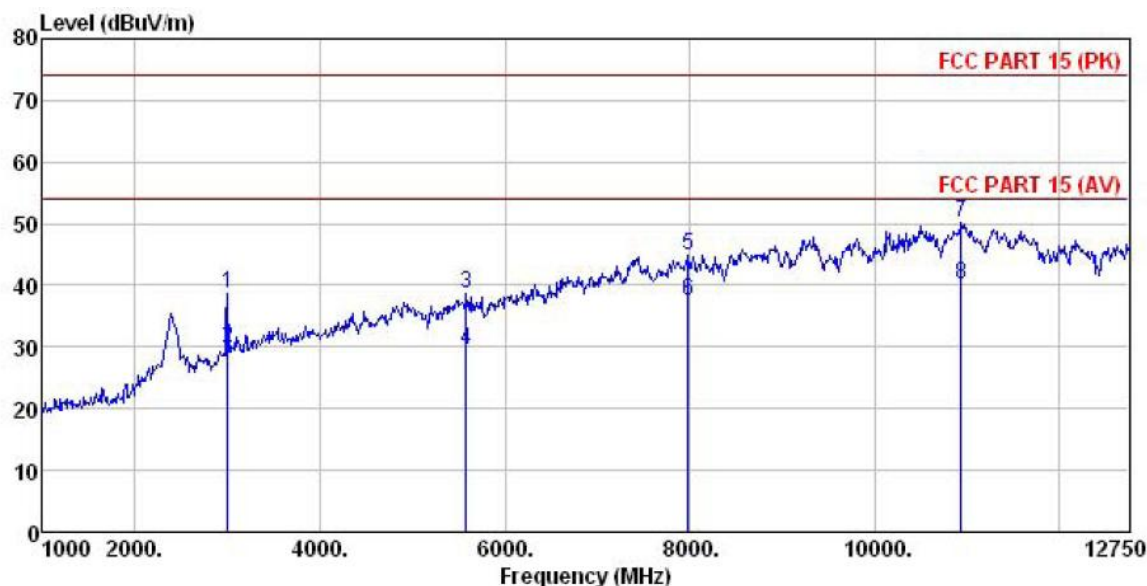
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	37.025	47.64	12.82	1.11	26.98	34.59	40.00	-5.41	QP
2	57.594	36.61	12.87	1.37	28.99	21.86	40.00	-18.14	QP
3	84.702	37.11	10.16	1.83	30.10	19.00	40.00	-21.00	QP
4	106.759	32.90	12.54	2.02	29.95	17.51	43.50	-25.99	QP
5	177.509	35.62	9.49	2.71	27.12	20.70	43.50	-22.80	QP
6	614.214	29.49	18.51	3.92	30.56	21.36	46.00	-24.64	QP

Above 1GHz

Test mode: 802.11b

Test channel: Lowest

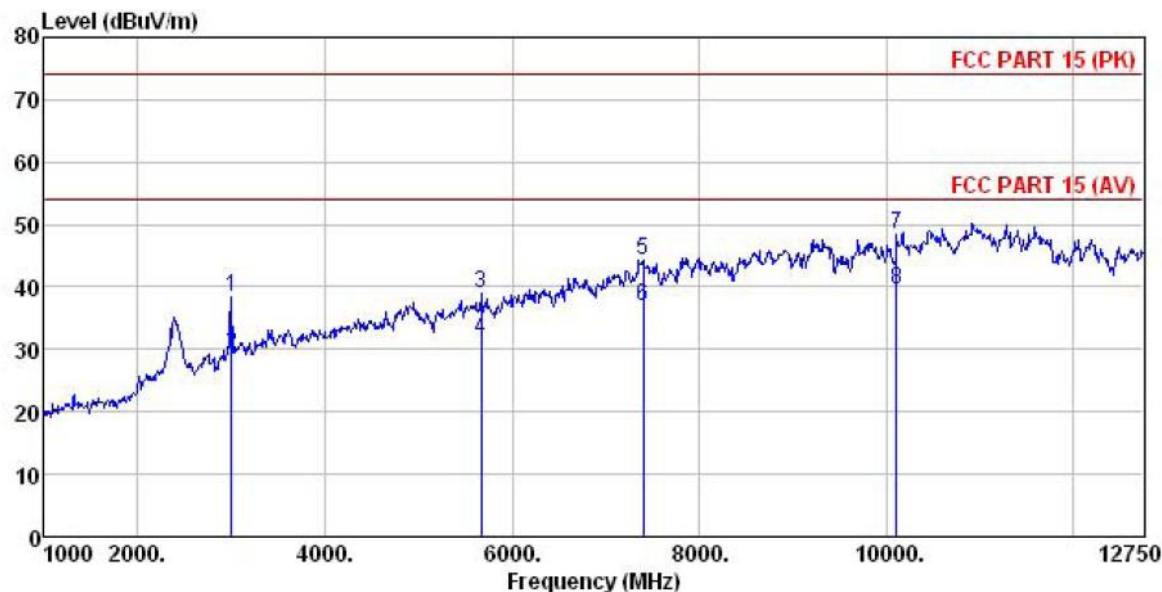
Vertical:



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

	Freq	ReadAntenna	Cable	Preamp		Limit	Over	
		Level	Factor	Loss	Factor	Level	Line	Limit
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2997.500	44.83	28.47	6.02	40.52	38.80	74.00	-35.20 Peak
2	2997.500	35.89	28.47	6.02	40.52	29.86	54.00	-24.14 Average
3	5582.500	37.70	32.08	9.21	40.37	38.62	74.00	-35.38 Peak
4	5582.500	28.60	32.08	9.21	40.37	29.52	54.00	-24.48 Average
5	7979.500	37.67	37.20	11.01	40.99	44.89	74.00	-29.11 Peak
6	7979.500	30.17	37.20	11.01	40.99	37.39	54.00	-16.61 Average
7	10940.500	36.44	40.33	13.61	40.22	50.16	74.00	-23.84 Peak
8	10940.500	26.57	40.33	13.61	40.22	40.29	54.00	-13.71 Average

Horizontal:

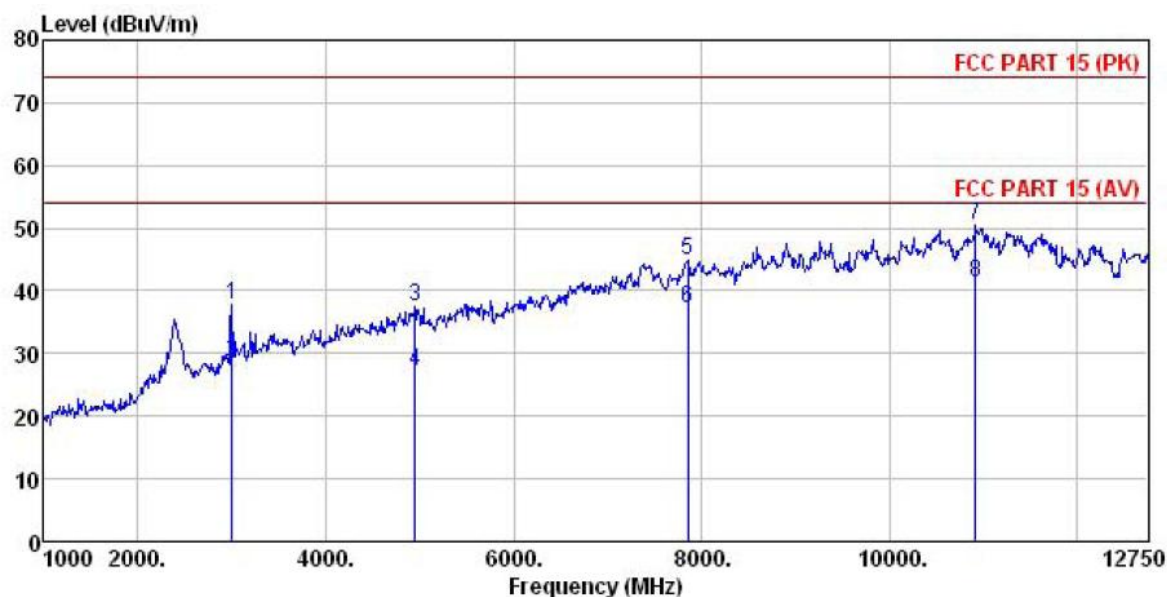


Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
 EUT : MID
 Model : EQ823R
 Test mode : Wifi B-L MODE
 Power Rating : AC120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Vincent
 REMARK :

	Freq	ReadAntenna	Cable	Preamp	Limit	Over	
	Level	Factor	Loss	Factor	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m
1	2997.500	44.30	28.47	6.02	40.52	38.27	74.00 -35.73 Peak
2	2997.500	35.26	28.47	6.02	40.52	29.23	54.00 -24.77 Average
3	5664.750	37.96	32.16	9.26	40.45	38.93	74.00 -35.07 Peak
4	5664.750	30.69	32.16	9.26	40.45	31.66	54.00 -22.34 Average
5	7403.750	38.18	36.54	10.77	41.08	44.41	74.00 -29.59 Peak
6	7403.750	30.74	36.54	10.77	41.08	36.97	54.00 -17.03 Average
7	10106.250	37.83	38.69	13.70	41.87	48.35	74.00 -25.65 Peak
8	10106.250	28.96	38.69	13.70	41.87	39.48	54.00 -14.52 Average

Test channel: Middle

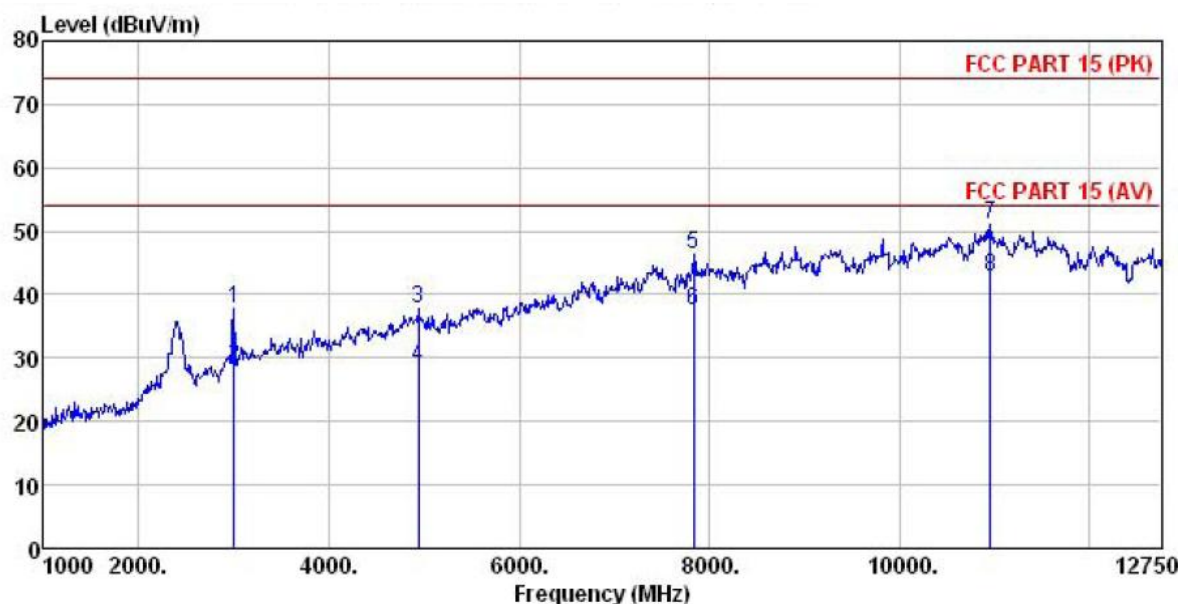
Vertical:



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

	Freq	ReadAntenna	Cable	Preamp		Limit	Over	
	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2997.500	43.77	28.47	6.02	40.52	37.74	74.00	-36.26 Peak
2	2997.500	34.79	28.47	6.02	40.52	28.76	54.00	-25.24 Average
3	4948.000	36.95	31.64	9.06	40.05	37.60	74.00	-36.40 Peak
4	4948.000	26.49	31.64	9.06	40.05	27.14	54.00	-26.86 Average
5	7850.250	38.05	36.87	10.97	41.00	44.89	74.00	-29.11 Peak
6	7850.250	30.26	36.87	10.97	41.00	37.10	54.00	-16.90 Average
7	10917.000	36.79	40.31	13.64	40.28	50.46	74.00	-23.54 Peak
8	10917.000	27.68	40.31	13.64	40.28	41.35	54.00	-12.65 Average

Horizontal:

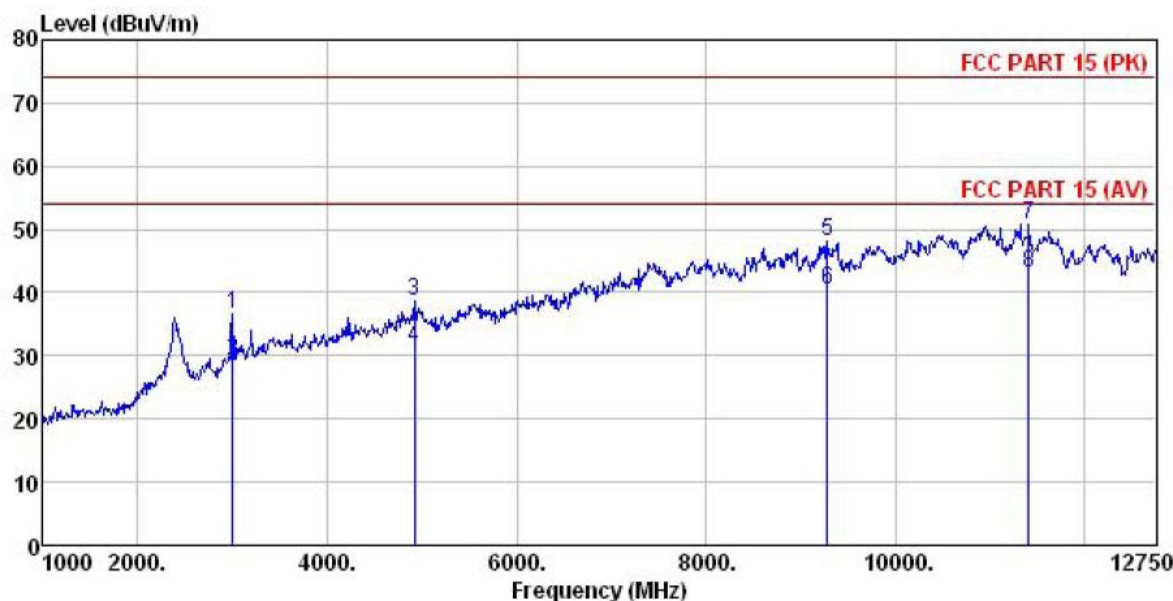


Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
 EUT : MID
 Model : EQ823R
 Test mode : Wifi B-M MODE
 Power Rating : AC120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Vincent
 REMARK :

	Freq	ReadAntenna 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	43.81	28.47	6.02	40.52	37.78	74.00	-36.22	Peak
2	2997.500	34.56	28.47	6.02	40.52	28.53	54.00	-25.47	Average
3	4936.250	37.06	31.64	9.06	40.05	37.71	74.00	-36.29	Peak
4	4936.250	27.89	31.64	9.06	40.05	28.54	54.00	-25.46	Average
5	7838.500	39.40	36.87	10.96	41.00	46.23	74.00	-27.77	Peak
6	7838.500	30.56	36.87	10.96	41.00	37.39	54.00	-16.61	Average
7	10952.250	37.50	40.31	13.61	40.22	51.20	74.00	-22.80	Peak
8	10952.250	28.99	40.31	13.61	40.22	42.69	54.00	-11.31	Average

Test channel: Highest

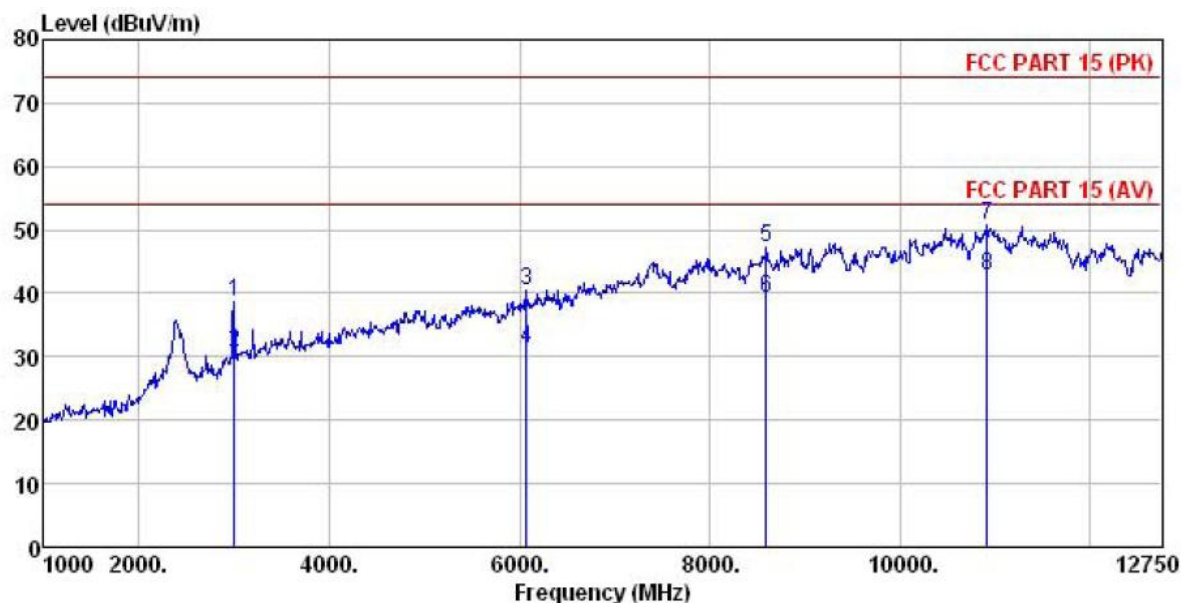
Vertical:



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

	Freq	ReadAntenna Level	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	42.53	28.47	6.02	40.52	36.50	74.00	-37.50	Peak
2	2997.500	35.26	28.47	6.02	40.52	29.23	54.00	-24.77	Average
3	4924.500	38.13	31.61	9.04	40.08	38.70	74.00	-35.30	Peak
4	4924.500	30.75	31.61	9.04	40.08	31.32	54.00	-22.68	Average
5	9283.750	38.21	37.84	13.37	41.22	48.20	74.00	-25.80	Peak
6	9283.750	30.37	37.84	13.37	41.22	40.36	54.00	-13.64	Average
7	11410.500	37.45	40.14	13.78	40.64	50.73	74.00	-23.27	Peak
8	11410.500	29.86	40.14	13.78	40.64	43.14	54.00	-10.86	Average

Horizontal:



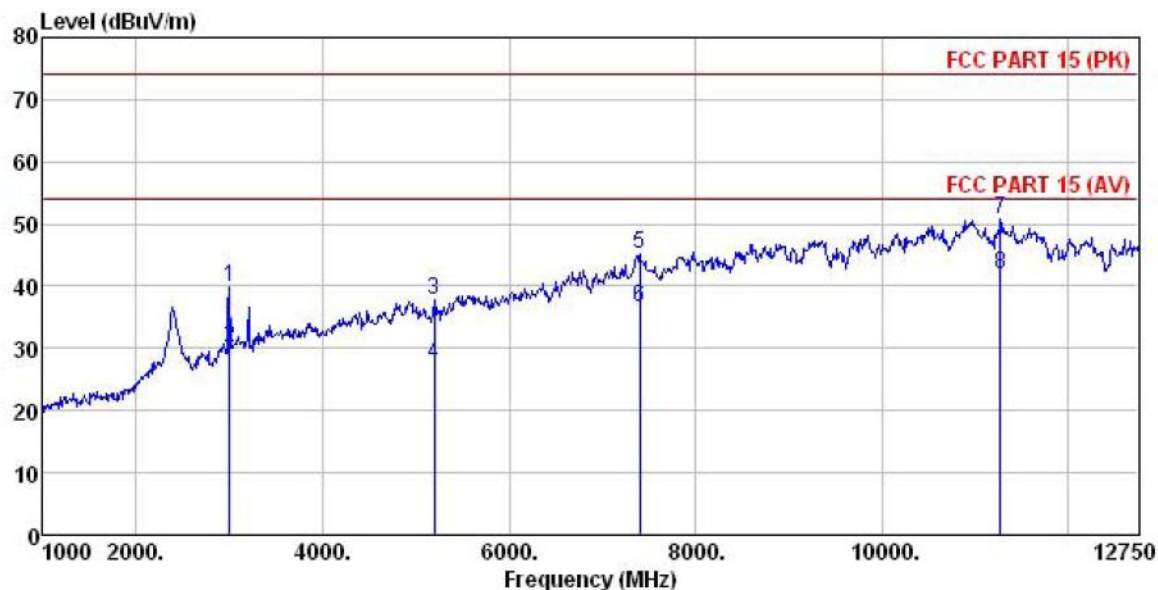
Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
 EUT : MID
 Model : EQ823R
 Test mode : Wifi B-H MODE
 Power Rating : AC120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Vincent
 REMARK :

	Freq	ReadAntenna	Cable	Preamp		Limit	Over	
	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2997.500	44.59	28.47	6.02	40.52	38.56	74.00	-35.44 Peak
2	2997.500	36.79	28.47	6.02	40.52	30.76	54.00	-23.24 Average
3	6076.000	38.93	32.83	9.62	40.93	40.45	74.00	-33.55 Peak
4	6076.000	29.87	32.83	9.62	40.93	31.39	54.00	-22.61 Average
5	8590.500	38.50	36.83	13.46	41.43	47.36	74.00	-26.64 Peak
6	8590.500	30.45	36.83	13.46	41.43	39.31	54.00	-14.69 Average
7	10917.000	37.06	40.31	13.64	40.28	50.73	74.00	-23.27 Peak
8	10917.000	29.28	40.31	13.64	40.28	42.95	54.00	-11.05 Average

Test mode: 802.11g

Test channel: Lowest

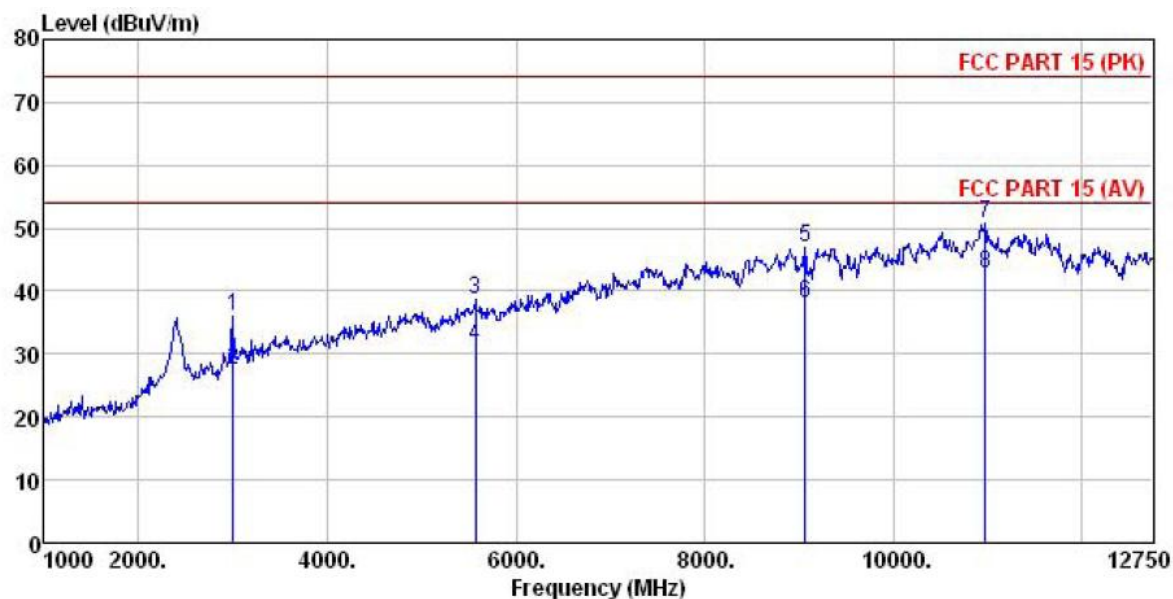
Vertical:



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

	Freq	ReadAntenna	Cable	Preamp		Limit	Over	
		Level	Factor	Loss	Factor	Level	Line	Limit
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2997.500	45.80	28.47	6.02	40.52	39.77	74.00	-34.23
2	2997.500	36.26	28.47	6.02	40.52	30.23	54.00	-23.77
3	5194.750	36.81	31.96	9.14	40.09	37.82	74.00	-36.18
4	5194.750	26.54	31.96	9.14	40.09	27.55	54.00	-26.45
5	7403.750	38.96	36.54	10.77	41.08	45.19	74.00	-28.81
6	7403.750	30.26	36.54	10.77	41.08	36.49	54.00	-17.51
7	11269.500	37.62	39.96	13.71	40.47	50.82	74.00	-23.18
8	11269.500	28.67	39.96	13.71	40.47	41.87	54.00	-12.13
								Remark

Horizontal:

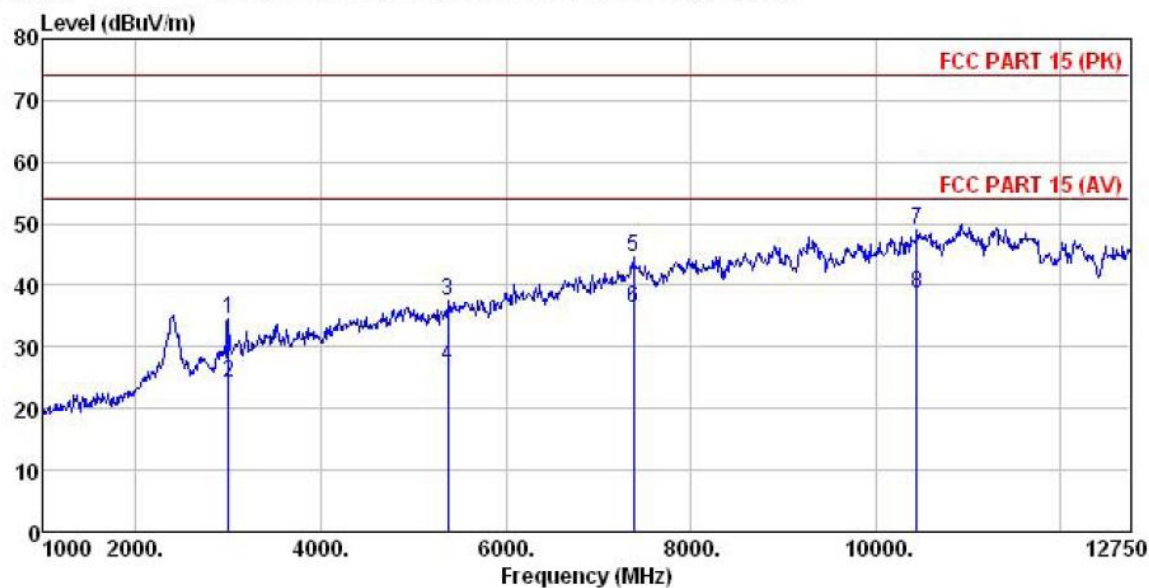


Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
 EUT : MID
 Model : EQ823R
 Test mode : Wifi G-L MODE
 Power Rating : AC120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Vincent
 REMARK :

	Freq	Read	Antenna	Cable	Preamp	Level	Limit	Over	
		Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2997.500	42.11	28.47	6.02	40.52	36.08	74.00	-37.92	Peak
2	2997.500	33.63	28.47	6.02	40.52	27.60	54.00	-26.40	Average
3	5570.750	37.72	32.08	9.20	40.35	38.65	74.00	-35.35	Peak
4	5570.750	30.50	32.08	9.20	40.35	31.43	54.00	-22.57	Average
5	9060.500	37.28	37.03	13.70	41.22	46.79	74.00	-27.21	Peak
6	9060.500	28.56	37.03	13.70	41.22	38.07	54.00	-15.93	Average
7	10975.750	37.13	40.30	13.59	40.15	50.87	74.00	-23.13	Peak
8	10975.750	28.96	40.30	13.59	40.15	42.70	54.00	-11.30	Average

Test channel: Middle

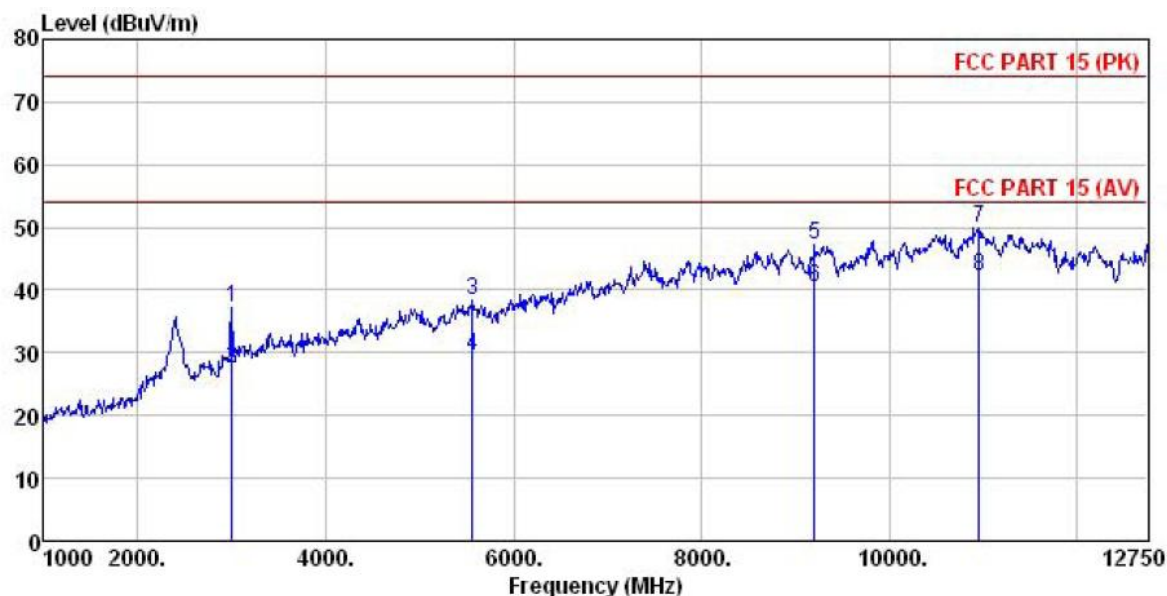
Vertical:



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
 EUT : MID
 Model : EQ823R
 Test mode : Wifi G-M 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	2997.500	40.66	28.47	6.02	40.52	34.63	74.00	-39.37 Peak
2	2997.500	30.26	28.47	6.02	40.52	24.23	54.00	-29.77 Average
3	5371.000	36.86	31.81	9.15	40.19	37.63	74.00	-36.37 Peak
4	5371.000	25.96	31.81	9.15	40.19	26.73	54.00	-27.27 Average
5	7380.250	38.31	36.52	10.74	41.11	44.46	74.00	-29.54 Peak
6	7380.250	30.21	36.52	10.74	41.11	36.36	54.00	-17.64 Average
7	10447.000	36.89	39.51	13.88	41.17	49.11	74.00	-24.89 Peak
8	10447.000	26.37	39.51	13.88	41.17	38.59	54.00	-15.41 Average

Horizontal:

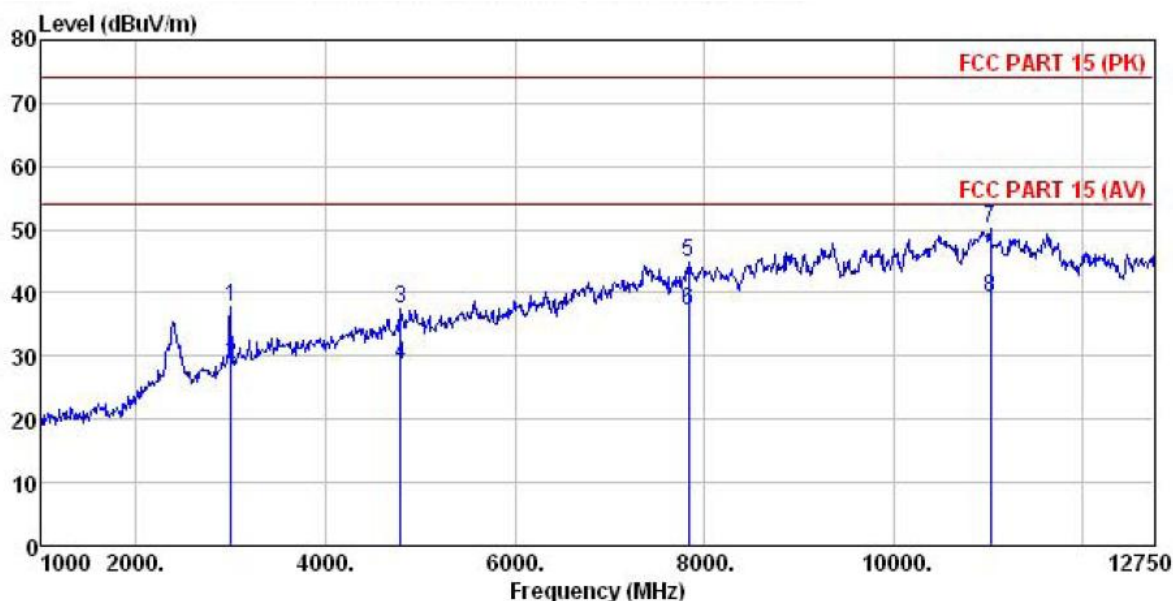


Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
EUT : MID
Model : EQ823R
Test mode : Wifi G-M MODE
Power Rating : AC120V/60Hz
Environment : Temp:25.5°C Humi:55%
Test Engineer: Vincent
REMARK :

	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	43.09	28.47	6.02	40.52	37.06	74.00	-36.94	Peak
2	2997.500	33.56	28.47	6.02	40.52	27.53	54.00	-26.47	Average
3	5559.000	37.39	32.09	9.19	40.32	38.35	74.00	-35.65	Peak
4	5559.000	28.58	32.09	9.19	40.32	29.54	54.00	-24.46	Average
5	9201.500	37.33	37.67	13.50	41.22	47.28	74.00	-26.72	Peak
6	9201.500	30.56	37.67	13.50	41.22	40.51	54.00	-13.49	Average
7	10952.250	36.15	40.31	13.61	40.22	49.85	74.00	-24.15	Peak
8	10952.250	28.57	40.31	13.61	40.22	42.27	54.00	-11.73	Average

Test channel: Highest

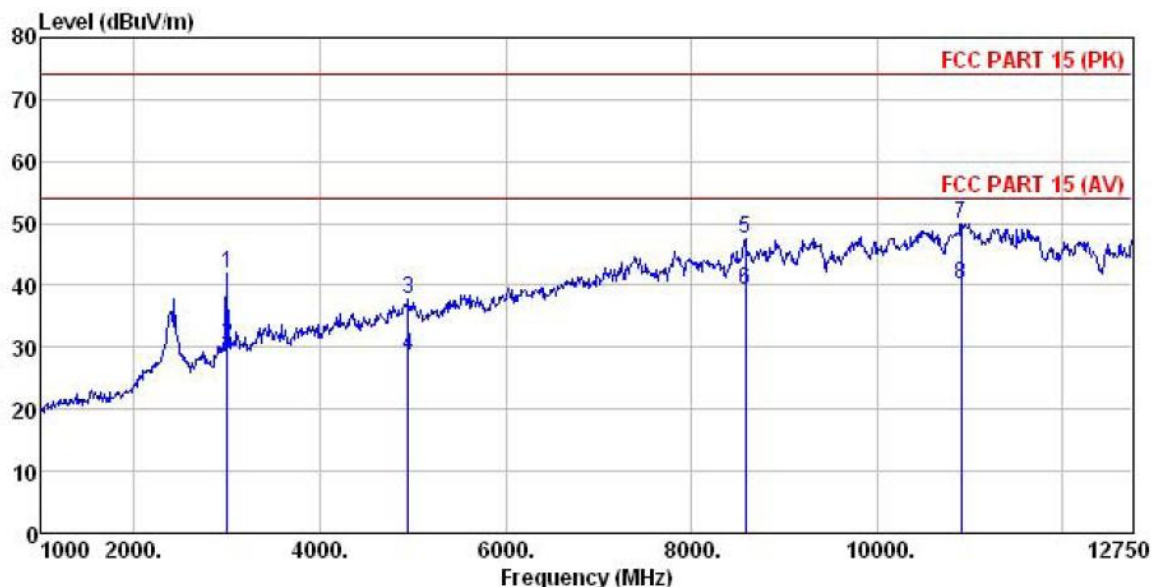
Vertical:



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

	Freq	ReadAntenna	Cable	Preamp		Limit	Over	
	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2997.500	43.74	28.47	6.02	40.52	37.71	74.00	-36.29 Peak
2	2997.500	34.56	28.47	6.02	40.52	28.53	54.00	-25.47 Average
3	4795.250	37.22	31.53	8.88	40.27	37.36	74.00	-36.64 Peak
4	4795.250	28.60	31.53	8.88	40.27	28.74	54.00	-25.26 Average
5	7838.500	38.16	36.87	10.96	41.00	44.99	74.00	-29.01 Peak
6	7838.500	30.48	36.87	10.96	41.00	37.31	54.00	-16.69 Average
7	11022.750	36.64	40.22	13.60	40.16	50.30	74.00	-23.70 Peak
8	11022.750	25.63	40.22	13.60	40.16	39.29	54.00	-14.71 Average

Horizontal:



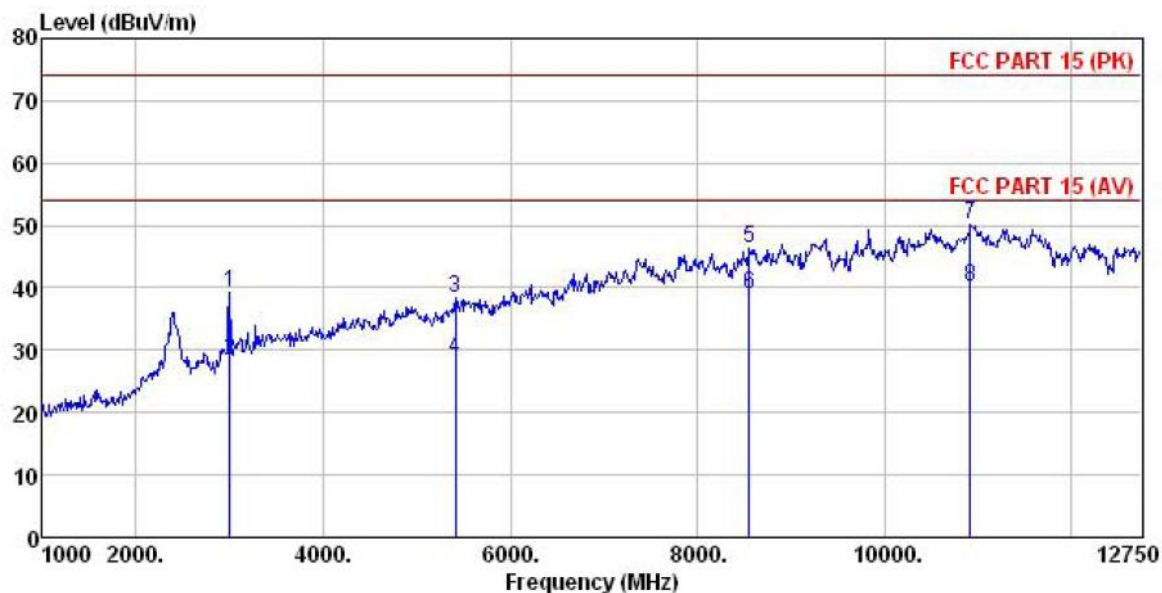
Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
 EUT : MID
 Model : EQ823R
 Test mode : Wifi G-H MODE
 Power Rating : AC120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Vincent
 REMARK :

	ReadAntenna	Cable Preamp		Limit	Over		
Freq	Level	Factor	Loss Factor	Level	Line	Limit	Remark
-----MHz	-----dBuV	-----dB/m	-----dB	-----dB	dBuV/m	dBuV/m	-----dB
1 2997.500	47.92	28.47	6.02	40.52	41.89	74.00	-32.11 Peak
2 2997.500	36.56	28.47	6.02	40.52	30.53	54.00	-23.47 Average
3 4948.000	37.10	31.64	9.06	40.05	37.75	74.00	-36.25 Peak
4 4948.000	27.85	31.64	9.06	40.05	28.50	54.00	-25.50 Average
5 8578.750	38.73	36.79	13.46	41.43	47.55	74.00	-26.45 Peak
6 8578.750	30.49	36.79	13.46	41.43	39.31	54.00	-14.69 Average
7 10905.250	36.29	40.28	13.64	40.28	49.93	74.00	-24.07 Peak
8 10905.250	26.65	40.28	13.64	40.28	40.29	54.00	-13.71 Average

Test mode: 802.11n(H20)

Test channel: Lowest

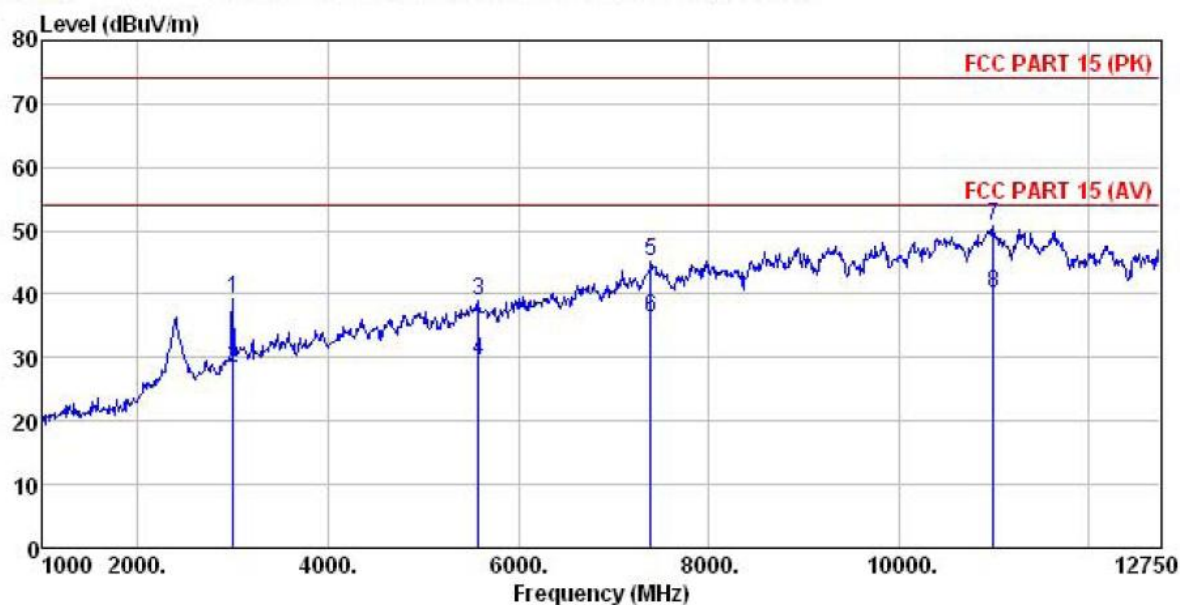
Vertical:



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
 EUT : MID
 Model : EQ823R
 Test mode : Wifi N20-L MODE
 Power Rating : AC120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Vincent
 REMARK :

	Freq	ReadAntenna	Cable Preamp		Limit	Over	
	Level	Factor	Loss Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m
1	2997.500	45.23	28.47	6.02	40.52	39.20	74.00
2	2997.500	34.26	28.47	6.02	40.52	28.23	54.00
3	5418.000	37.61	31.91	9.15	40.21	38.46	74.00
4	5418.000	27.89	31.91	9.15	40.21	28.74	54.00
5	8555.250	37.69	36.76	13.44	41.44	46.45	74.00
6	8555.250	30.25	36.76	13.44	41.44	39.01	54.00
7	10917.000	36.55	40.31	13.64	40.28	50.22	74.00
8	10917.000	26.62	40.31	13.64	40.28	40.29	54.00

Horizontal:

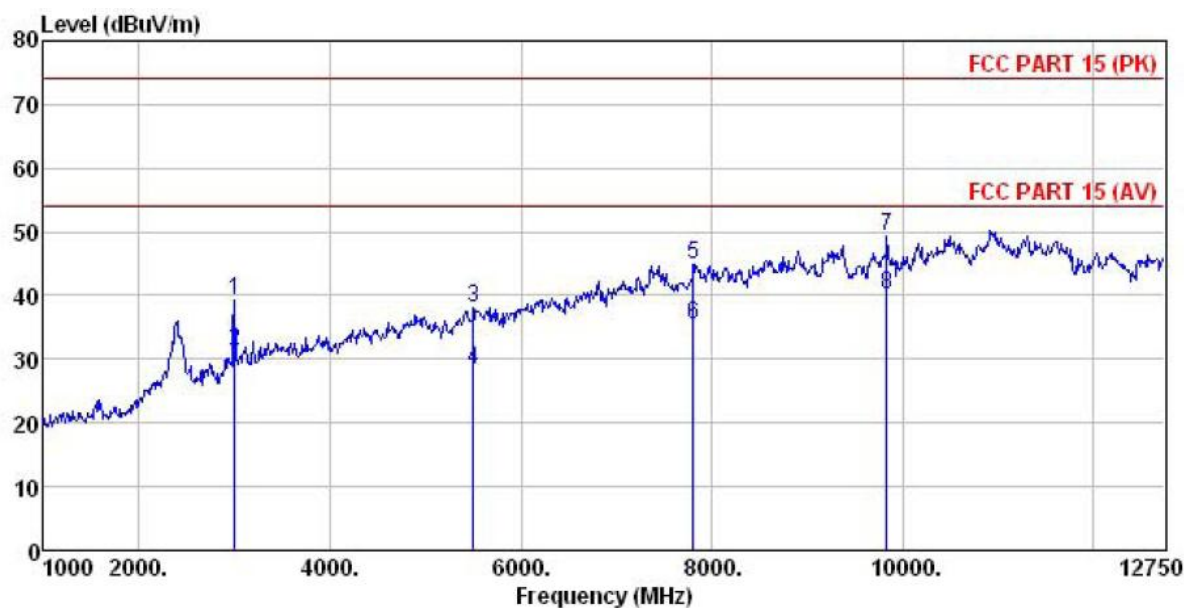


Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
 EUT : MID
 Model : EQ823R
 Test mode : Wifi N20-L MODE
 Power Rating : AC120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Vincent
 REMARK :

	Freq	ReadAntenna	Cable Preamp		Limit	Over	
	Level Factor	Loss Factor	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m
1	2997.500	45.23	28.47	6.02	40.52	39.20	74.00 -34.80 Peak
2	2997.500	34.26	28.47	6.02	40.52	28.23	54.00 -25.77 Average
3	5582.500	37.93	32.08	9.21	40.37	38.85	74.00 -35.15 Peak
4	5582.500	28.57	32.08	9.21	40.37	29.49	54.00 -24.51 Average
5	7392.000	38.85	36.52	10.75	41.09	45.03	74.00 -28.97 Peak
6	7392.000	30.25	36.52	10.75	41.09	36.43	54.00 -17.57 Average
7	10999.250	36.97	40.28	13.58	40.12	50.71	74.00 -23.29 Peak
8	10999.250	26.35	40.28	13.58	40.12	40.09	54.00 -13.91 Average

Test channel: Middle

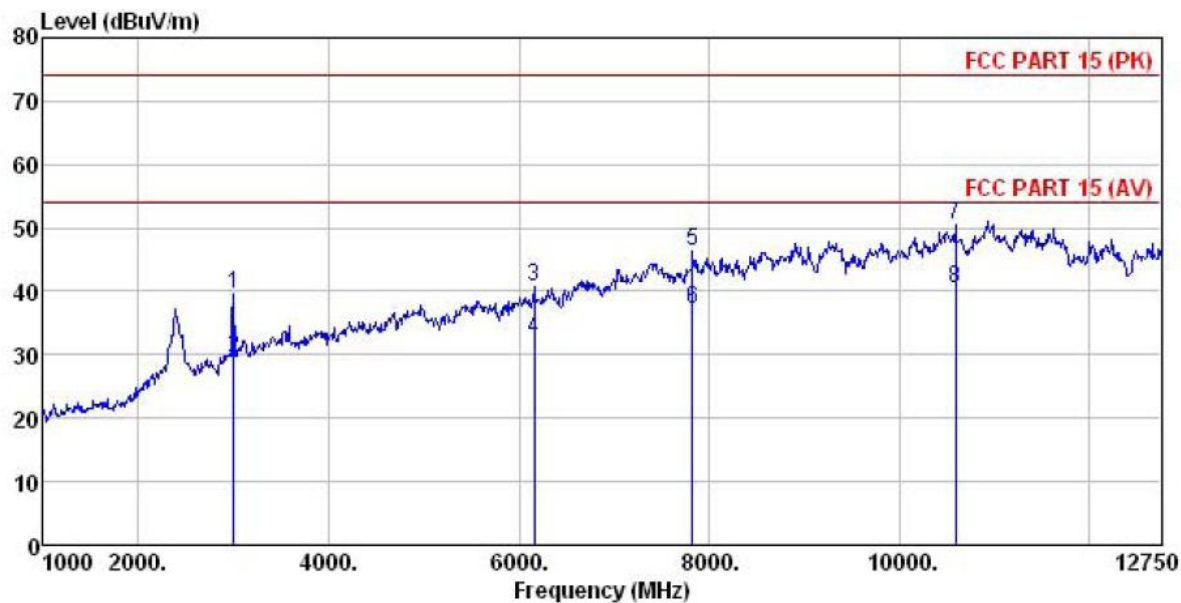
Vertical:



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
 EUT : MID
 Model : EQ823R
 Test mode : Wifi N20-M MODE
 Power Rating : AC120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Vincent
 REMARK :

	Freq	ReadAntenna	Cable	Preamp	Level	Limit	Over	
		Level	Factor	Loss	Factor	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2997.500	45.23	28.47	6.02	40.52	39.20	74.00	-34.80 Peak
2	2997.500	37.33	28.47	6.02	40.52	31.30	54.00	-22.70 Average
3	5500.250	37.23	32.04	9.16	40.26	38.17	74.00	-35.83 Peak
4	5500.250	27.49	32.04	9.16	40.26	28.43	54.00	-25.57 Average
5	7803.250	38.17	36.78	10.95	41.00	44.90	74.00	-29.10 Peak
6	7803.250	28.69	36.78	10.95	41.00	35.42	54.00	-18.58 Average
7	9836.000	38.95	38.70	13.45	41.83	49.27	74.00	-24.73 Peak
8	9836.000	29.68	38.70	13.45	41.83	40.00	54.00	-14.00 Average

Horizontal:

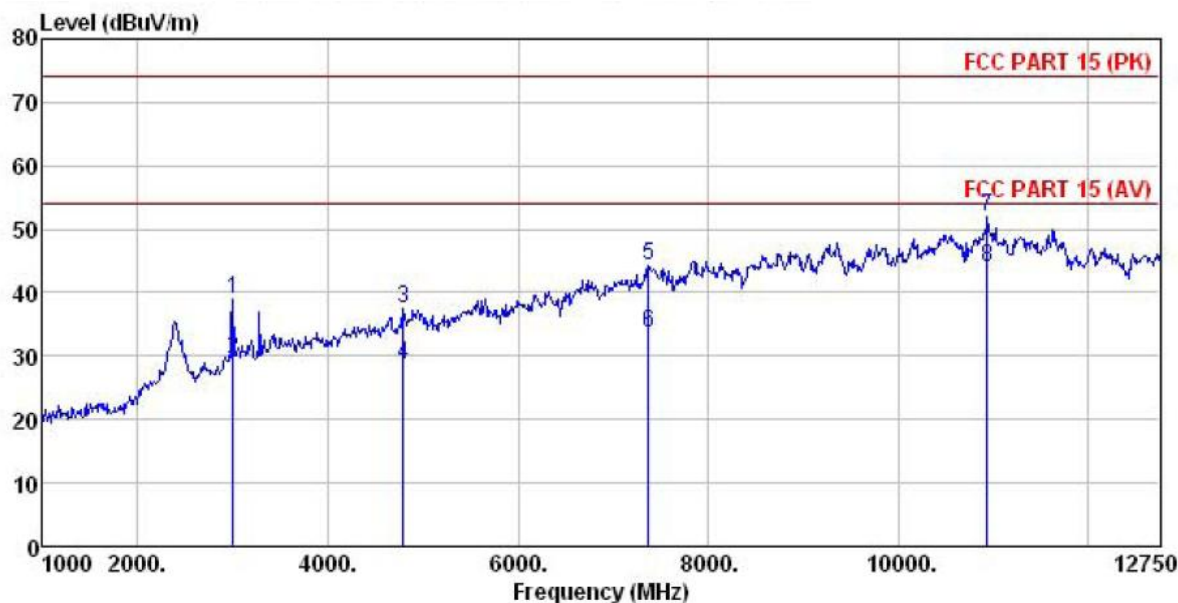


Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
 EUT : MID
 Model : EQ823R
 Test mode : Wifi N20-M MODE
 Power Rating : AC120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Vincent
 REMARK :

	Freq	ReadAntenna 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	45.47	28.47	6.02	40.52	39.44	74.00	-34.56	Peak
2	2997.500	35.56	28.47	6.02	40.52	29.53	54.00	-24.47	Average
3	6158.250	38.80	33.07	9.74	40.97	40.64	74.00	-33.36	Peak
4	6158.250	30.49	33.07	9.74	40.97	32.33	54.00	-21.67	Average
5	7826.750	39.47	36.83	10.96	41.00	46.26	74.00	-27.74	Peak
6	7826.750	30.36	36.83	10.96	41.00	37.15	54.00	-16.85	Average
7	10588.000	37.87	39.66	13.85	40.90	50.48	74.00	-23.52	Peak
8	10588.000	27.69	39.66	13.85	40.90	40.30	54.00	-13.70	Average

Test channel: Highest

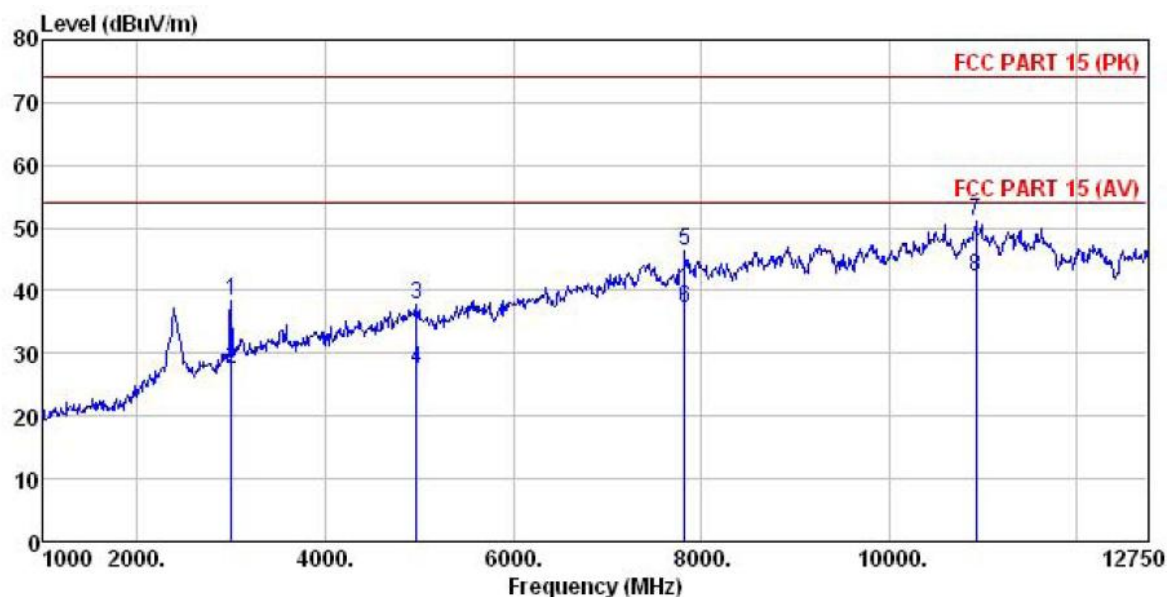
Vertical:



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL
 EUT : MID
 Model : EQ823R
 Test mode : Wifi N20-H MODE
 Power Rating : AC120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Vincent
 REMARK :

	Freq	Level	ReadAntenna	Cable	Preamp	Limit	Over	
	MHz	dBuV	Factor	Loss	Factor	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2997.500	45.10	28.47	6.02	40.52	39.07	74.00	-34.93 Peak
2	2997.500	35.63	28.47	6.02	40.52	29.60	54.00	-24.40 Average
3	4795.250	37.22	31.53	8.88	40.27	37.36	74.00	-36.64 Peak
4	4795.250	28.63	31.53	8.88	40.27	28.77	54.00	-25.23 Average
5	7368.500	38.17	36.49	10.74	41.11	44.29	74.00	-29.71 Peak
6	7368.500	27.59	36.49	10.74	41.11	33.71	54.00	-20.29 Average
7	10940.500	38.16	40.33	13.61	40.22	51.88	74.00	-22.12 Peak
8	10940.500	30.27	40.33	13.61	40.22	43.99	54.00	-10.01 Average

Horizontal:



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
 EUT : MID
 Model : EQ823R
 Test mode : Wifi N20-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	Limit
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2997.500	44.45	28.47	6.02	40.52	38.42	74.00
2	2997.500	33.56	28.47	6.02	40.52	27.53	54.00
3	4971.500	36.86	31.74	9.10	40.00	37.70	74.00
4	4971.500	26.69	31.74	9.10	40.00	27.53	54.00
5	7826.750	39.47	36.83	10.96	41.00	46.26	74.00
6	7826.750	30.26	36.83	10.96	41.00	37.05	54.00
7	10928.750	37.39	40.31	13.63	40.25	51.08	74.00
8	10928.750	28.62	40.31	13.63	40.25	42.31	54.00

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. “--”, means this data is too weak instrument of signal is unable to test.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.