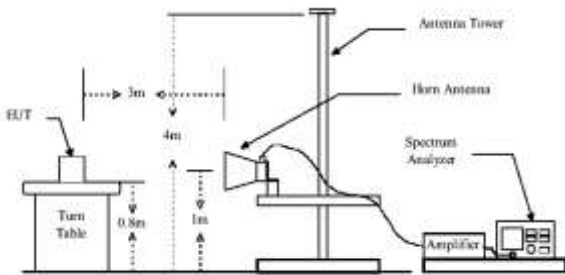


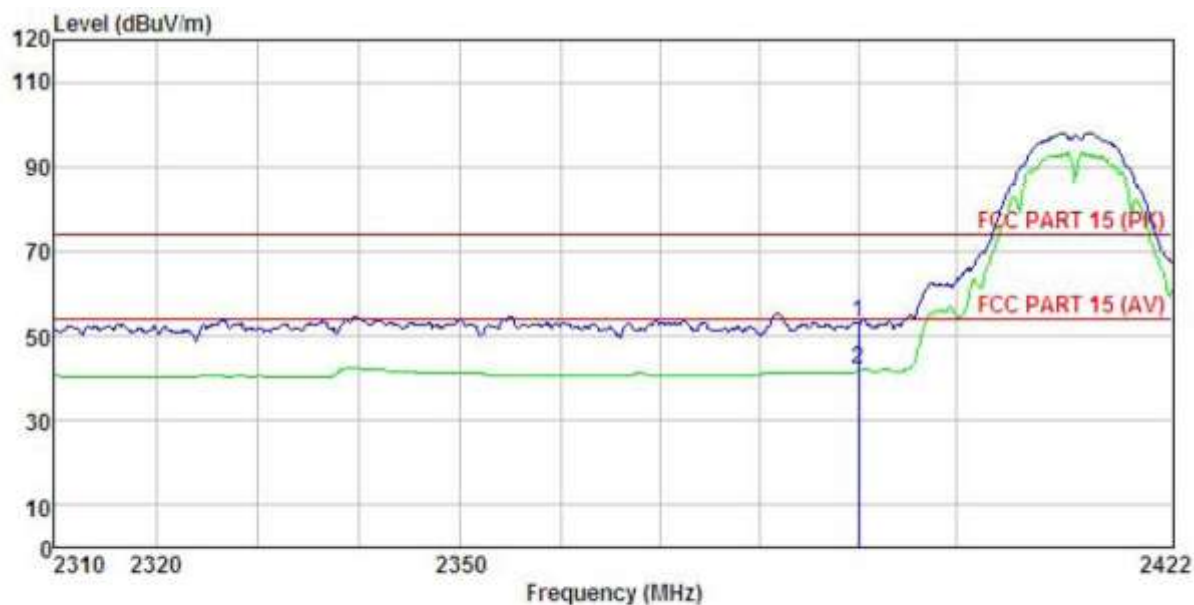
## 6.6.2 Radiated Emission Method

Test Requirement:	FCC Part 15 C Section 15.209 and 15.205																		
Test Method:	ANSI C63.4: 2003																		
Test Frequency Range:	2.3GHz to 2.5GHz																		
Test site:	Measurement Distance: 3m																		
Receiver setup:	<table><tr><td>Frequency</td><td>Detector</td><td>RBW</td><td>VBW</td><td>Remark</td></tr><tr><td rowspan="2">Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak Value</td></tr><tr><td>Peak</td><td>1MHz</td><td>10Hz</td><td>Average Value</td></tr></table>					Frequency	Detector	RBW	VBW	Remark	Above 1GHz	Peak	1MHz	3MHz	Peak Value	Peak	1MHz	10Hz	Average Value
Frequency	Detector	RBW	VBW	Remark															
Above 1GHz	Peak	1MHz	3MHz	Peak Value															
	Peak	1MHz	10Hz	Average Value															
Limit:	<table><tr><td>Frequency</td><td>Limit (dBuV/m @3m)</td><td>Remark</td></tr><tr><td rowspan="2">Above 1GHz</td><td>54.00</td><td>Average Value</td></tr><tr><td>74.00</td><td>Peak Value</td></tr></table>					Frequency	Limit (dBuV/m @3m)	Remark	Above 1GHz	54.00	Average Value	74.00	Peak Value						
Frequency	Limit (dBuV/m @3m)	Remark																	
Above 1GHz	54.00	Average Value																	
	74.00	Peak Value																	
Test Procedure:	<div><div>1.</div><div>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> <div><div>2.</div><div>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> <div><div>3.</div><div>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> <div><div>4.</div><div>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> <div><div>5.</div><div>The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</div></div> <div><div>6.</div><div>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></div>																		
Test setup:	<div></div>																		
Test Instruments:	Refer to section 5.6 for details																		
Test mode:	Refer to section 5.3 for details																		
Test results:	Passed																		

## 802.11b

Test channel: Lowest

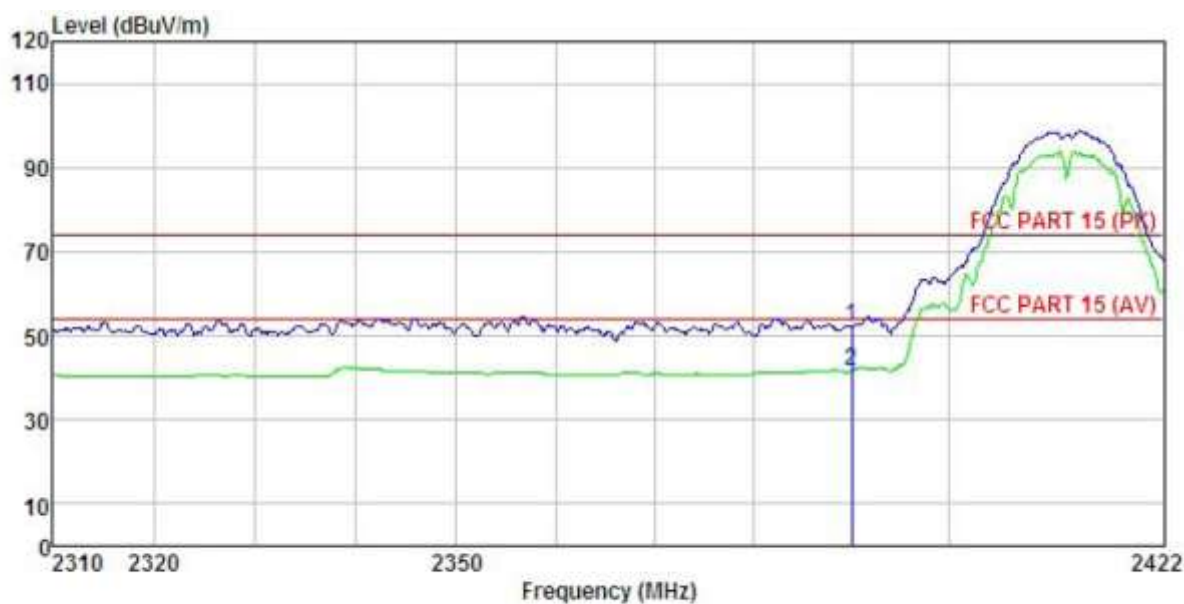
Horizontal:



Site : 3m chamber  
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL  
 Job No. : 964RF  
 EUT : Smart Phone  
 Model : V7  
 Test mode : Wifi-b-L mode  
 Power Rating : AC 120V/60Hz  
 Environment : Temp:25.5°C Humi:55%  
 Test Engineer: MI  
 REMARK :

	Freq	Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2390.000	19.72	27.58	5.67	0.00	52.97	74.00	-21.03	Peak
2	2390.000	8.69	27.58	5.67	0.00	41.94	54.00	-12.06	Average

Vertical:

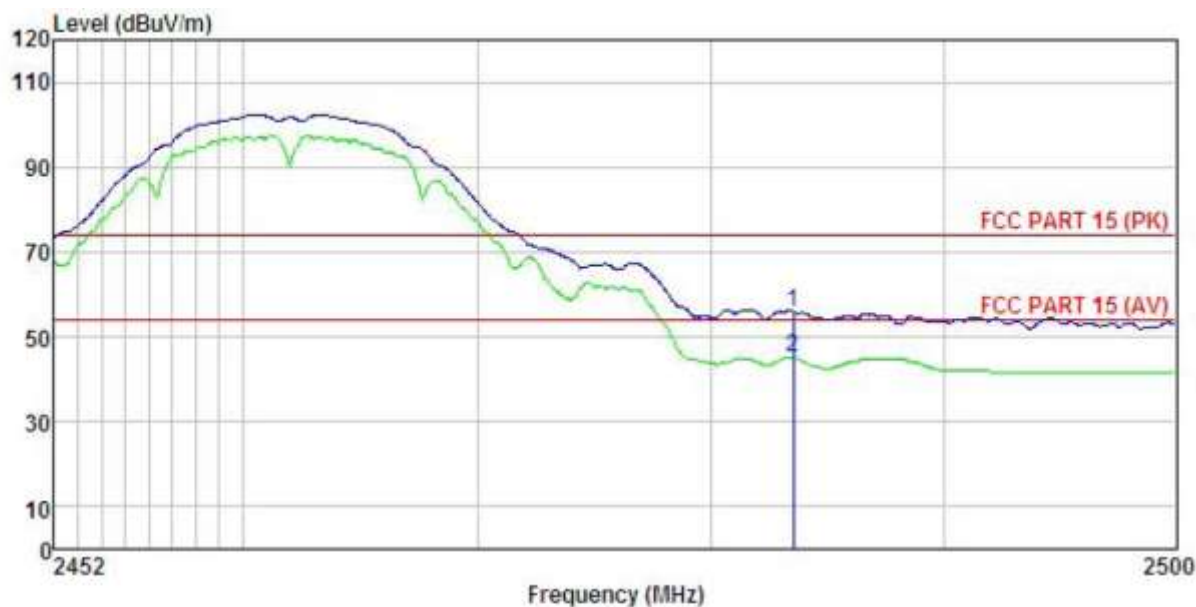


Site : 3m chamber  
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL  
 Job No. : 964RF  
 EUI : Smart Phone  
 Model : V7  
 Test mode : Wifi-b-L mode  
 Power Rating : AC 120V/60Hz  
 Environment : Temp:25.5°C Humi:55%  
 Test Engineer: MT  
 REMARK :

	Freq	ReadAntenna	Cable	Preamp	Level	Limit	Over	
	MHz	Level	Factor	Loss	Factor	Line	Limit	Remark
		dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2390.000	18.79	27.58	5.67	0.00	52.04	74.00	-21.96 Peak
2	2390.000	8.42	27.58	5.67	0.00	41.67	54.00	-12.33 Average

Test channel: Highest

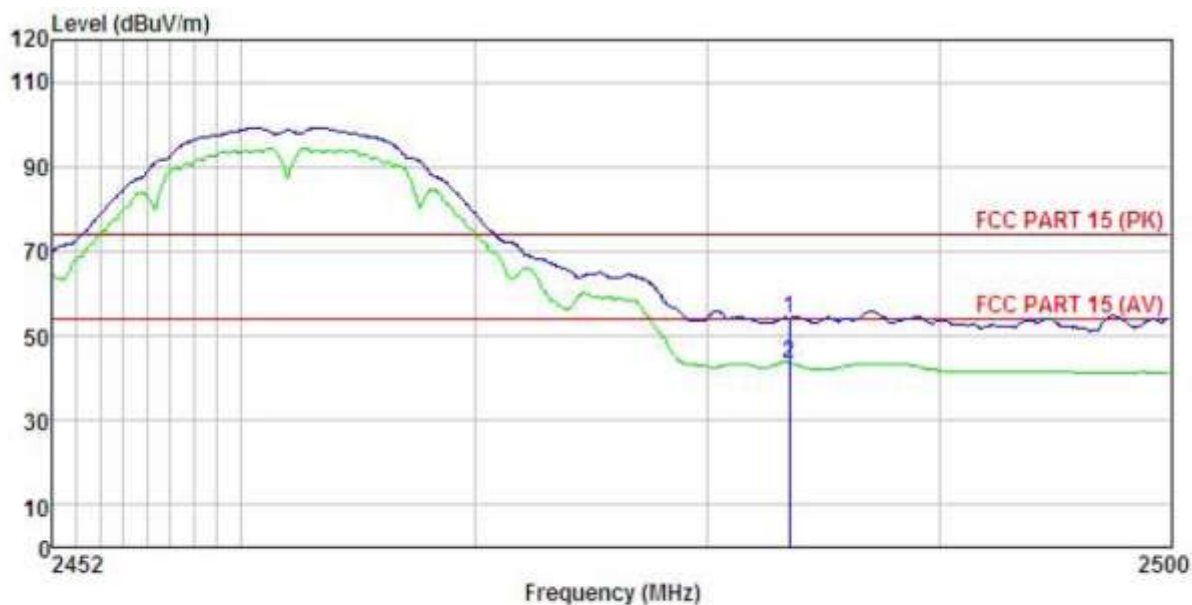
Horizontal:



Site : 3m chamber  
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL  
 Job No. : 964RF  
 EUT : Smart Phone  
 Model : V7  
 Test mode : Wifi-b-H mode  
 Power Rating : AC 120V/60Hz  
 Environment : Temp:25.5°C Humi:55%  
 Test Engineer: MT  
 REMARK :

	Freq	Read	Antenna	Cable	Preamp	Level	Limit	Over	
	MHz	Level	Factor	Loss	Factor	dB	Line	Limit	Remark
		dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2483.500	22.62	27.52	5.70	0.00	55.84	74.00	-18.16	Peak
2	2483.500	11.81	27.52	5.70	0.00	45.03	54.00	-8.97	Average

Vertical:



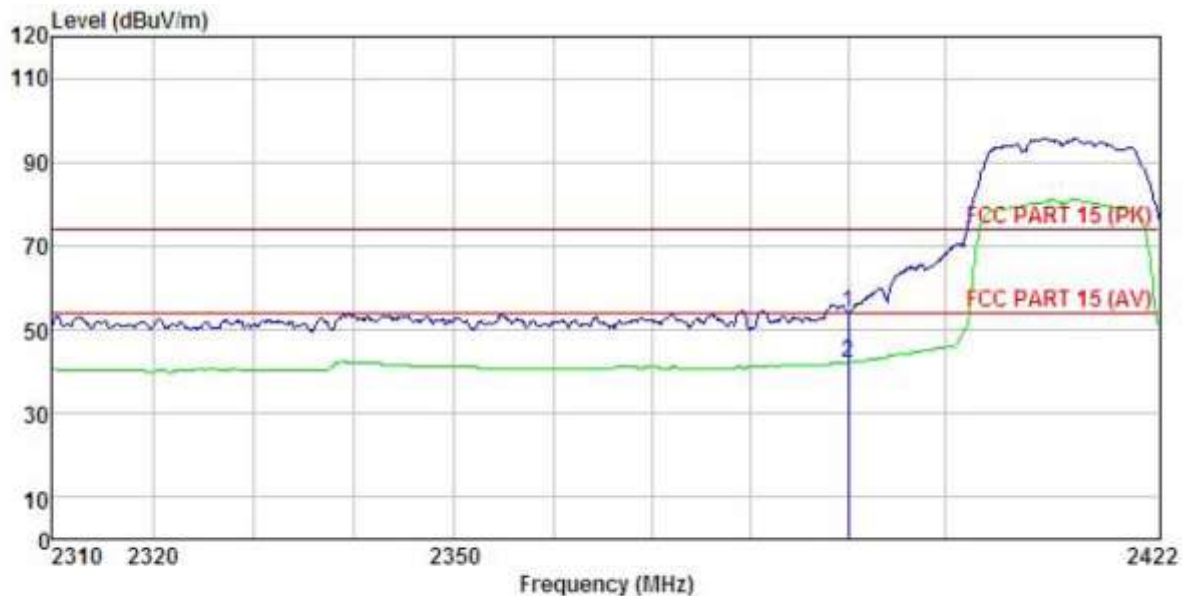
Site : 3m chamber  
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL  
 Job No. : 964RF  
 EUT : Smart Phone  
 Model : V7  
 Test mode : Wifi-b-H mode  
 Power Rating : AC 120V/60Hz  
 Environment : Temp:25.5°C Humi:55%  
 Test Engineer: MT  
 REMARK :

	Freq	ReadAntenna	Cable Preamp	Limit	Over			
	Level	Factor	Loss	Factor	Line	Limit Remark		
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2483.500	20.72	27.52	5.70	0.00	53.94	74.00	-20.06 Peak
2	2483.500	10.37	27.52	5.70	0.00	43.59	54.00	-10.41 Average

**802.11g**

Test channel: Lowest

Horizontal:



```

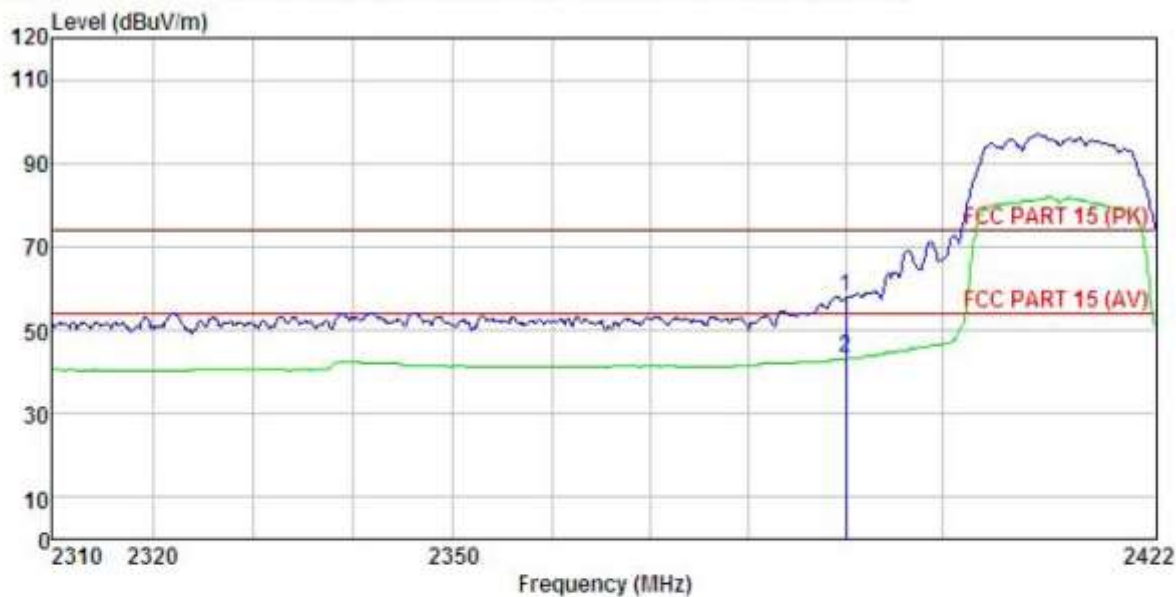
Site       : 3m chamber
Condition  : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
Job No.    : 964RF
EUT        : Smart Phone
Model      : V7
Test mode   : Wifi-g-L mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5°C Humi:55%
Test Engineer: MT
REMARK     :

```

	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	2390.000	20.59	27.58	5.67	0.00	53.84	74.00	-20.16	Peak
2	2390.000	9.01	27.58	5.67	0.00	42.26	54.00	-11.74	Average



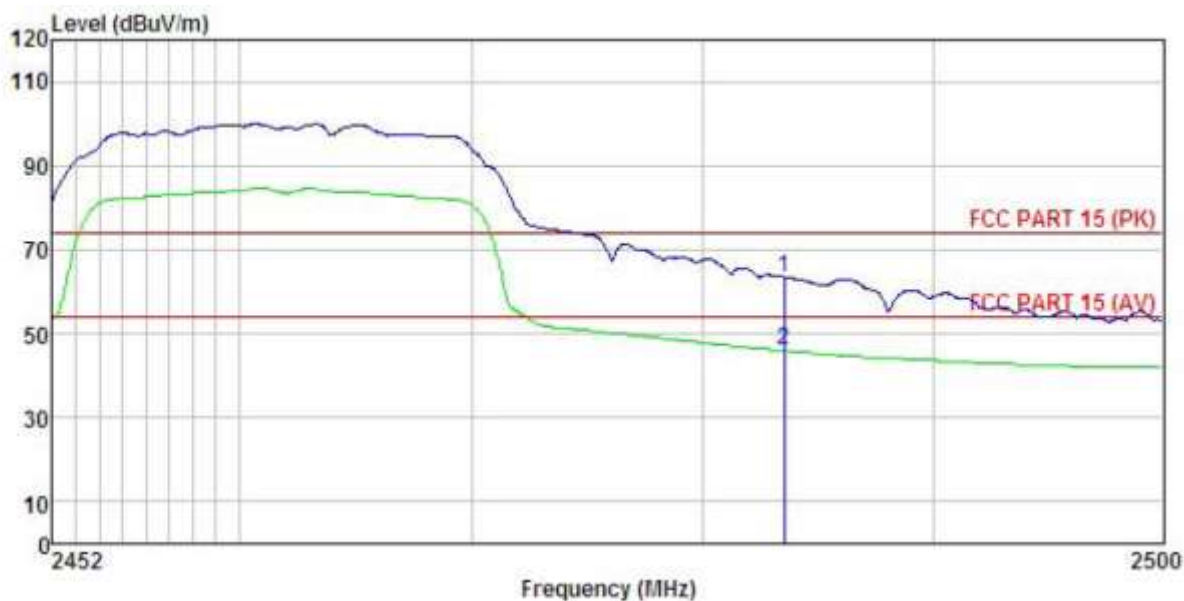
Vertical:



Site : 3m chamber  
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL  
Job No. : 964RF  
EUT : Smart Phone  
Model : V7  
Test mode : Wifi-g-L mode  
Power Rating : AC 120V/60Hz  
Environment : Temp:25.5°C Humi:55%  
Test Engineer: MT  
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	2390.000	24.55	27.58	5.67	0.00	57.80	74.00	-16.20	Peak
2	2390.000	9.93	27.58	5.67	0.00	43.18	54.00	-10.82	Average

Test channel: Highest  
Horizontal:

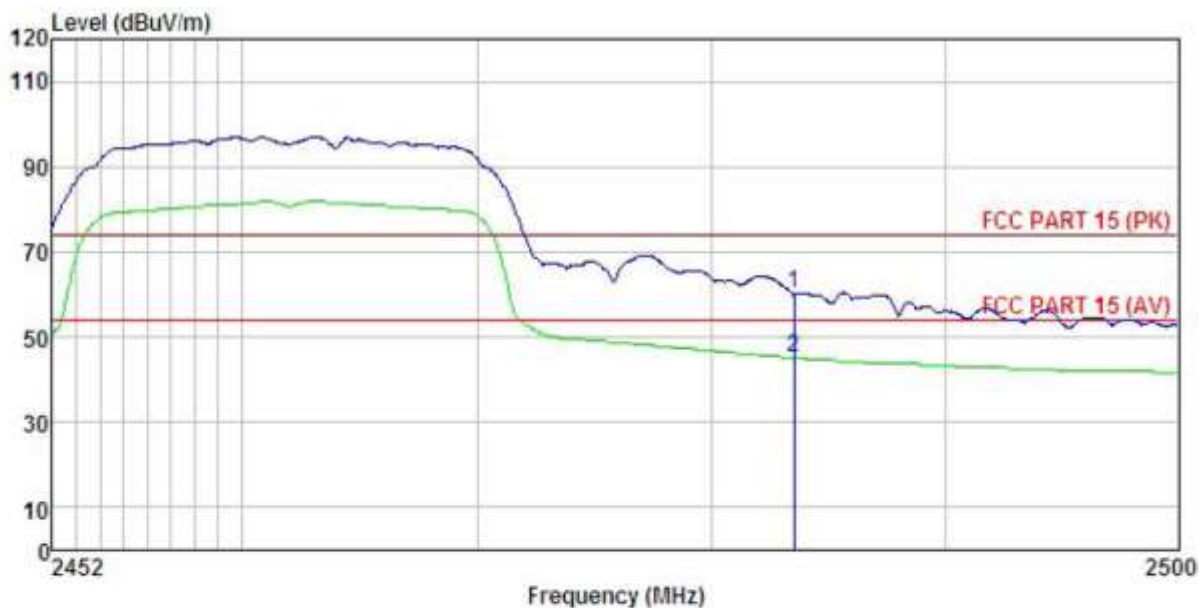


Site : 3m chamber  
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL  
Job No. : 964RF  
EUT : Smart Phone  
Model : V7  
Test mode : Wifi-g-H mode  
Power Rating : AC 120V/60Hz  
Environment : Temp:25.5°C Humi:55%  
Test Engineer: MT  
REMARK :

	Freq	ReadAntenna	Cable	Preamp	Level	Limit	Over	
	MHz	Level	Factor	Loss	Factor	Line	Limit	Remark
		dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2483.500	30.28	27.52	5.70	0.00	63.50	74.00	-10.50 Peak
2	2483.500	12.69	27.52	5.70	0.00	45.91	54.00	-8.09 Average



Vertical:



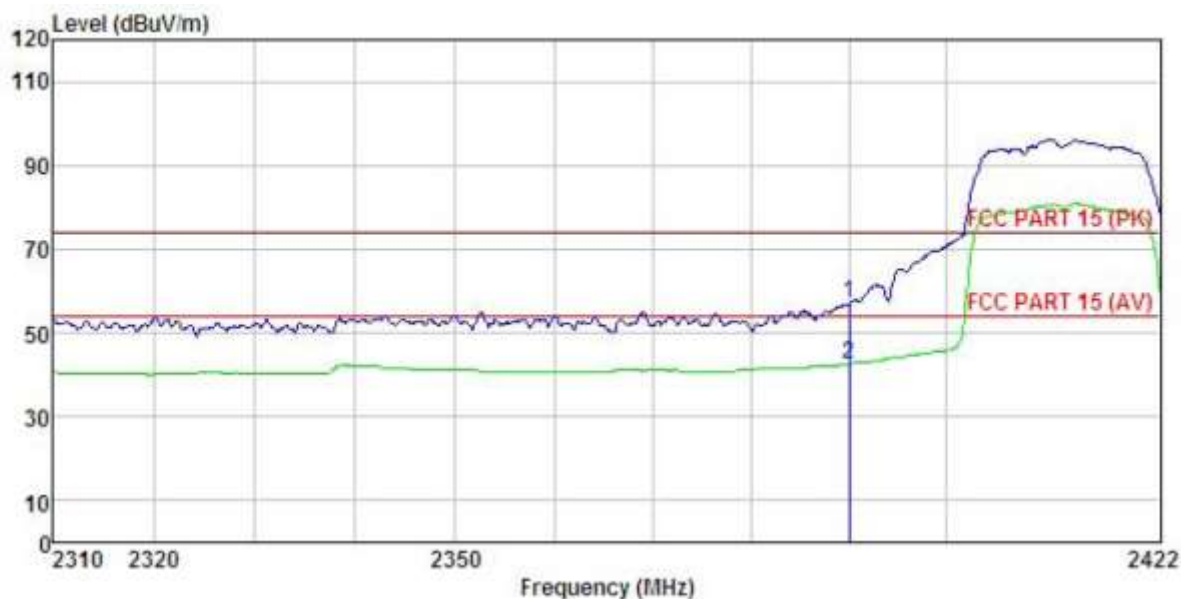
Site : 3m chamber  
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL  
 Job No. : 964RF  
 EUT : Smart Phone  
 Model : V7  
 Test mode : Wifi-g-H mode  
 Power Rating : AC 120V/60Hz  
 Environment : Temp:25.5°C Humi:55%  
 Test Engineer: MT  
 REMARK :

	Freq	ReadAntenna	Cable Preamp		Limit	Over	
	Level	Factor	Loss	Factor	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m
1	2483.500	26.83	27.52	5.70	0.00	60.05	74.00
2	2483.500	11.91	27.52	5.70	0.00	45.13	54.00

## 802.11n (H20)

Test channel: Lowest

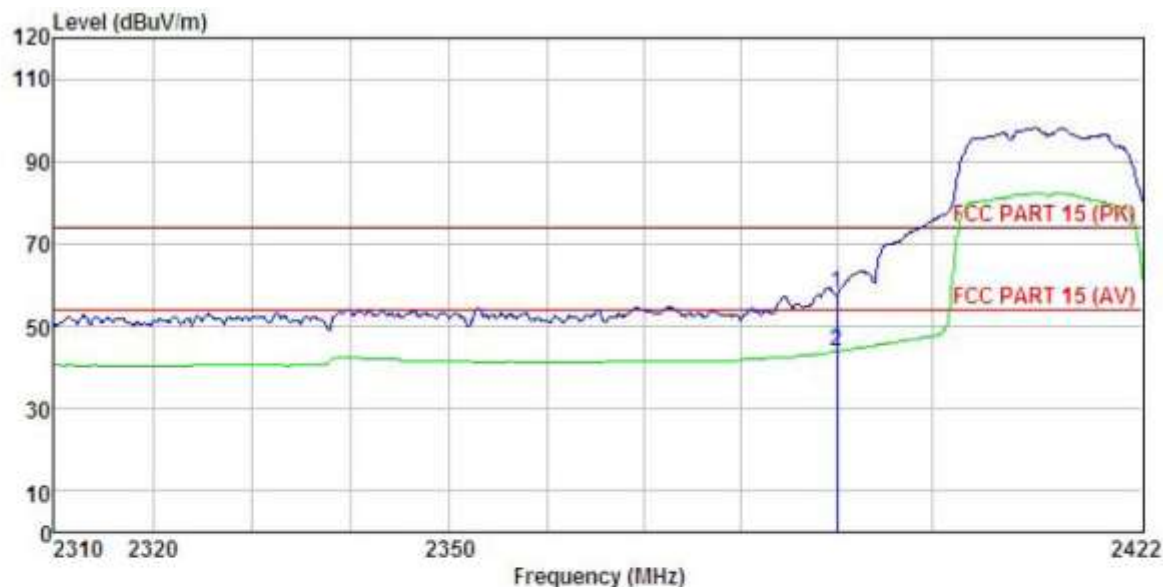
Horizontal:



Site : 3m chamber  
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL  
 Job No. : 964RF  
 EUT : Smart Phone  
 Model : V7  
 Test mode : Wifi-n20-L mode  
 Power Rating : AC 120V/60Hz  
 Environment : Temp:25.5°C Humi:55%  
 Test Engineer: MT  
 REMARK :

	Freq	ReadAntenna	Cable	Preamp	Limit	Over	
		Level	Factor	Loss	Factor	Line	Limit
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m
1	2390.000	23.91	27.58	5.67	0.00	57.16	74.00
2	2390.000	9.39	27.58	5.67	0.00	42.64	54.00

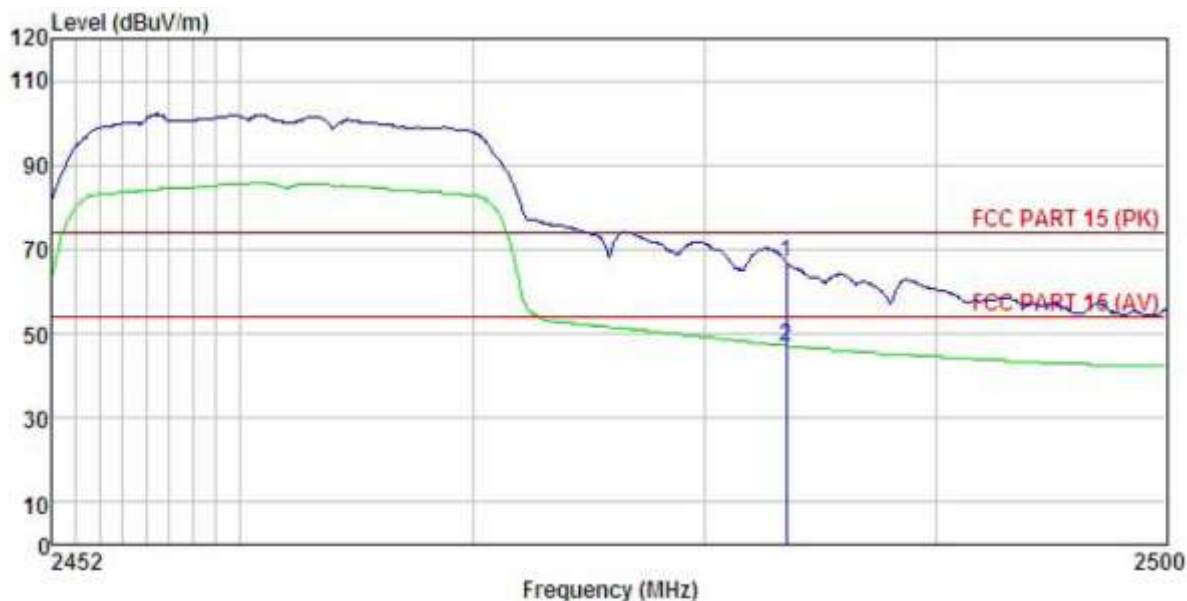
Vertical:



Site : 3m chamber  
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL  
 Job No. : 964RF  
 EUT : Smart Phone  
 Model : V7  
 Test mode : Wifi-n20-L mode  
 Power Rating : AC 120V/60Hz  
 Environment : Temp:25.5°C Humi:55%  
 Test Engineer: MT  
 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	2390.000	24.77	27.58	5.67	0.00	58.02	74.00	-15.98 Peak
2	2390.000	10.70	27.58	5.67	0.00	43.95	54.00	-10.05 Average

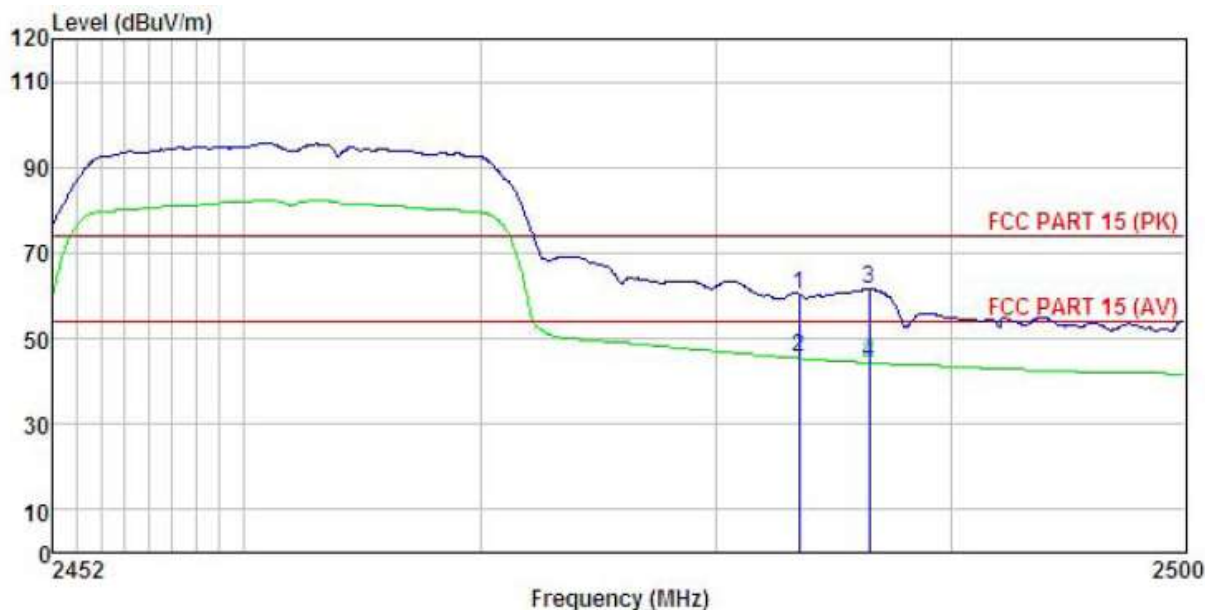
Test channel: Highest  
Horizontal:



Site : 3m chamber  
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL  
Job No. : 964RF  
EUT : Smart Phone  
Model : V7  
Test mode : Wifi-n20-H mode  
Power Rating : AC 120V/60Hz  
Environment : Temp:25.5°C Humi:55%  
Test Engineer: MT  
REMARK :

	Freq	ReadAntenna	Cable	Preamp	Limit	Over	
	MHz	Level	Factor	Loss	Factor	Level	Line
		dBuV	dB/m	dB	dB	dBuV/m	dBuV/m
1	2483.500	33.47	27.52	5.70	0.00	66.69	74.00
2	2483.500	13.92	27.52	5.70	0.00	47.14	54.00

Vertical:



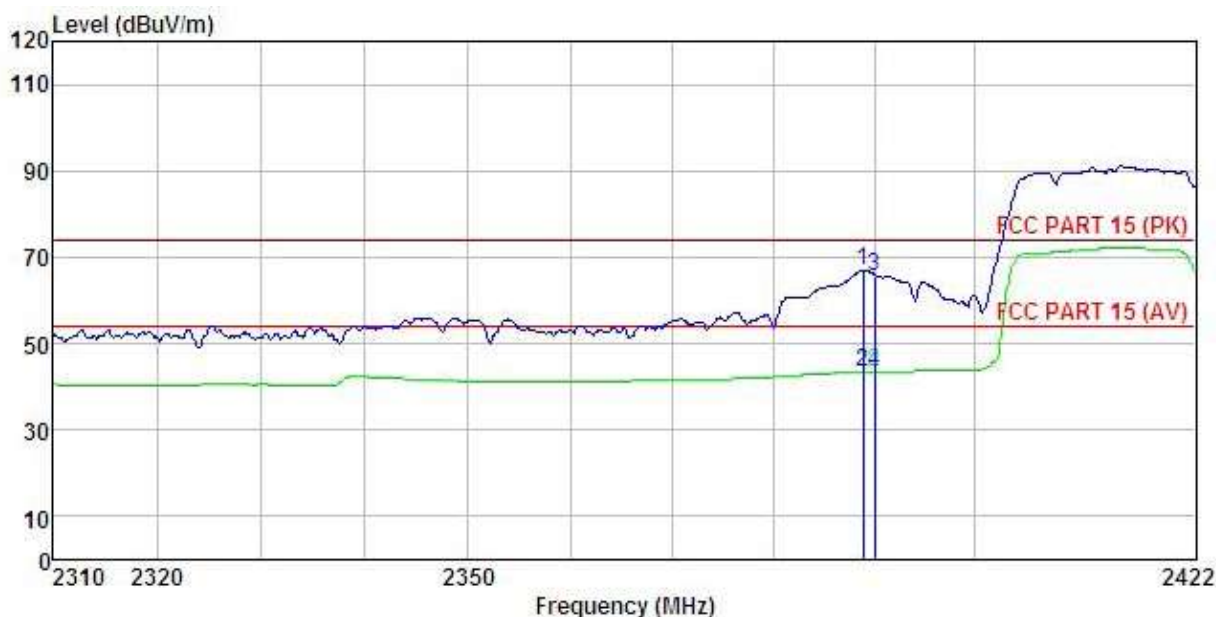
Site : 3m chamber  
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL  
 Job No. : 964RF  
 EUT : Smart Phone  
 Model : V7  
 Test mode : Wifi-n20-H mode  
 Power Rating : AC 120V/60Hz  
 Environment : Temp:25.5°C Humi:55%  
 Test Engineer: MT  
 REMARK :

	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	2483.500	27.12	27.52	5.70	0.00	60.34	74.00 -13.66 Peak
2	2483.500	12.19	27.52	5.70	0.00	45.41	54.00 -8.59 Average
3	2486.514	28.27	27.52	5.70	0.00	61.49	74.00 -12.51 Peak
4	2486.514	11.05	27.52	5.70	0.00	44.27	54.00 -9.73 Average

## 802.11n (H40)

Test channel: Lowest

Horizontal:

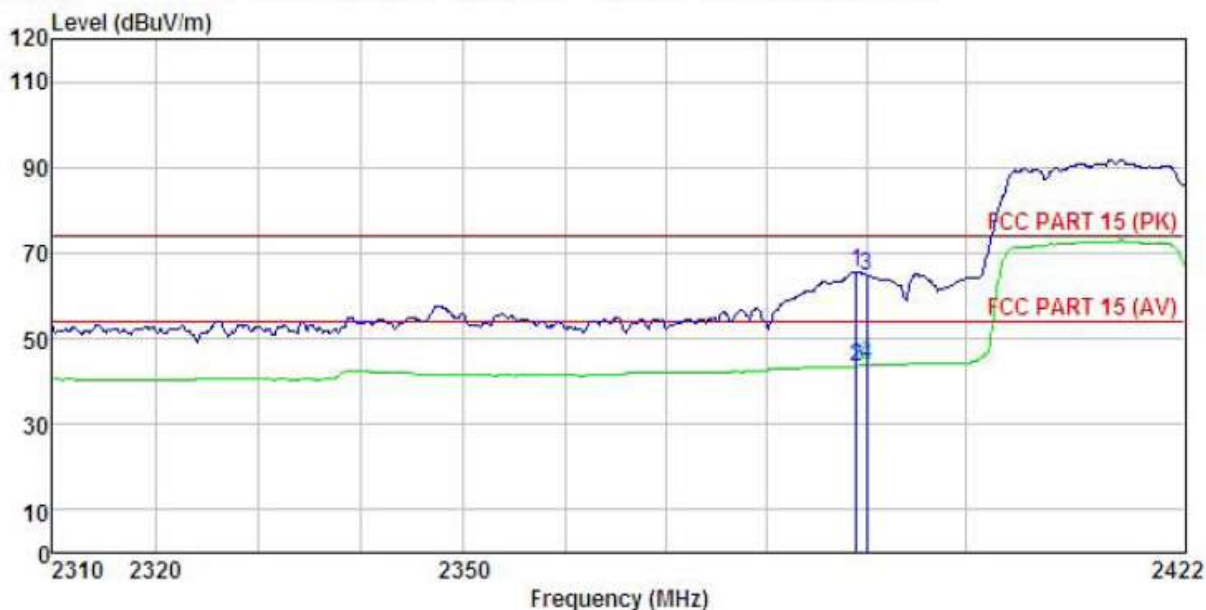


Site : 3m chamber  
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL  
 Job No. : 964RF  
 EUT : Smart Phone  
 Model : V7  
 Test mode : Wifi-n40-L mode  
 Power Rating : AC 120V/60Hz  
 Environment : Temp:25.5°C Humi:55%  
 Test Engineer: MT  
 REMARK :

		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	2388.859	33.63	27.58	5.67	0.00	66.88	74.00	-7.12 Peak
2	2388.859	10.05	27.58	5.67	0.00	43.30	54.00	-10.70 Average
3	2390.000	32.09	27.58	5.67	0.00	65.34	74.00	-8.66 Peak
4	2390.000	10.16	27.58	5.67	0.00	43.41	54.00	-10.59 Average



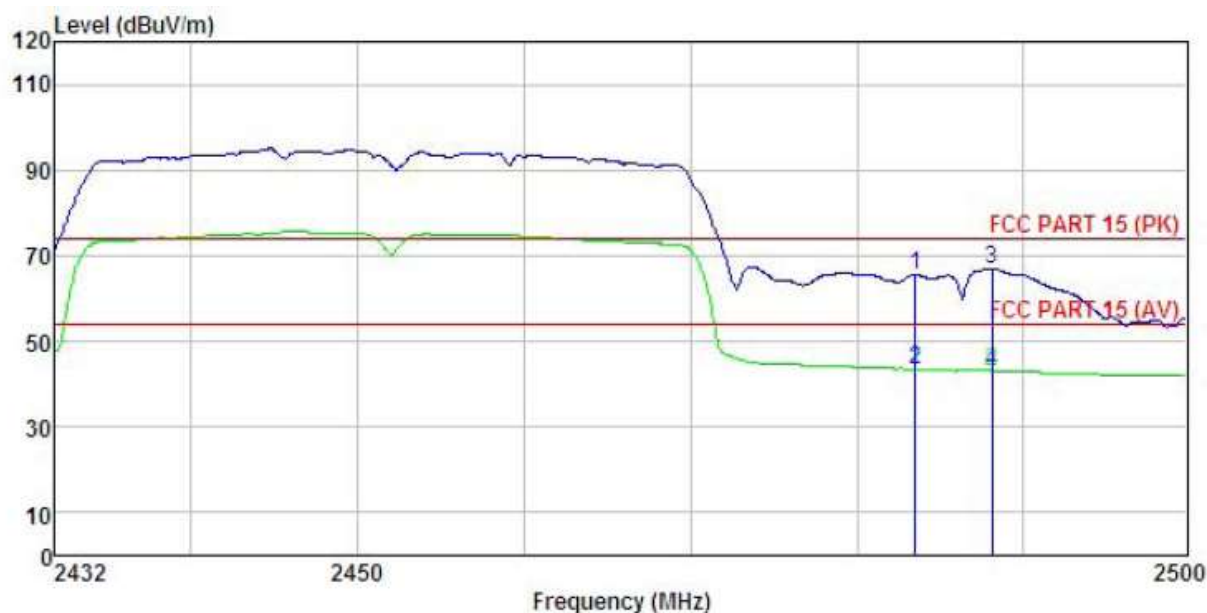
Vertical:



Site : 3m chamber  
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL  
 Job No. : 964RF  
 EUT : Smart Phone  
 Model : V7  
 Test mode : Wifi-n40-L mode  
 Power Rating : AC 120V/60Hz  
 Environment : Temp:25.5°C Humi:55%  
 Test Engineer: MT  
 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	2388.972	32.36	27.58	5.67	0.00	65.61	74.00
2	2388.972	10.33	27.58	5.67	0.00	43.58	54.00
3	2390.000	31.40	27.58	5.67	0.00	64.65	74.00
4	2390.000	10.46	27.58	5.67	0.00	43.71	54.00

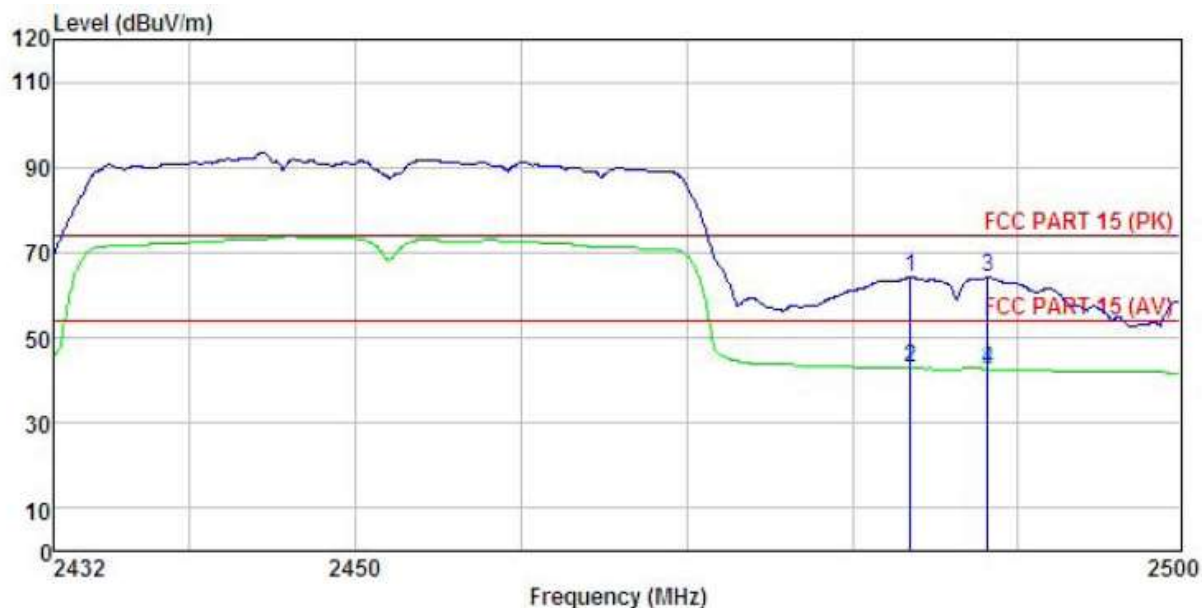
Test channel: Highest  
Horizontal:



Site : 3m chamber  
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL  
Job No. : 964RF  
EUT : Smart Phone  
Model : V7  
Test mode : Wifi-n40-H mode  
Power Rating : AC 120V/60Hz  
Environment : Temp:25.5°C Humi:55%  
Test Engineer: MT  
REMARK :

	Freq	Read	Antenna	Cable	Preamp	Level	Limit	Over	
	MHz	Level	Factor	Loss	Factor	dB	Line	Limit	Remark
		dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2483.500	32.41	27.52	5.70	0.00	65.63	74.00	-8.37	Peak
2	2483.500	10.32	27.52	5.70	0.00	43.54	54.00	-10.46	Average
3	2488.170	33.70	27.52	5.71	0.00	66.93	74.00	-7.07	Peak
4	2488.170	9.93	27.52	5.71	0.00	43.16	54.00	-10.84	Average

Vertical:



Site : 3m chamber  
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL  
 Job No. : 964RF  
 EUT : Smart Phone  
 Model : V7  
 Test mode : Wifi-n40-H mode  
 Power Rating : AC 120V/60Hz  
 Environment : Temp:25.5°C Humi:55%  
 Test Engineer: MT  
 REMARK :

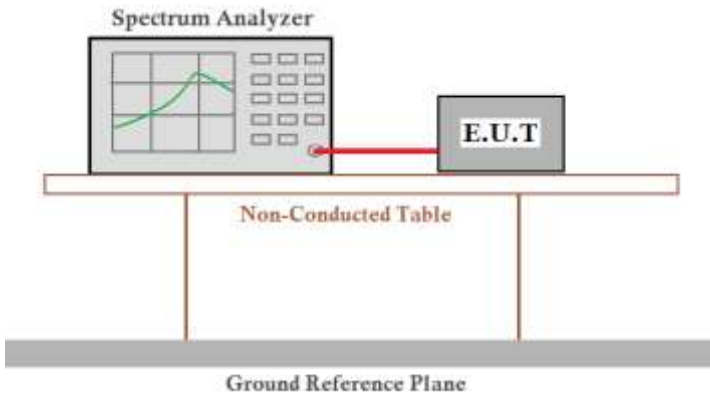
		ReadAntenna	Cable	Preamp		Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2483.500	30.92	27.52	5.70	0.00	64.14	74.00	-9.86 Peak
2	2483.500	9.66	27.52	5.70	0.00	42.88	54.00	-11.12 Average
3	2488.239	30.85	27.52	5.71	0.00	64.08	74.00	-9.92 Peak
4	2488.239	9.44	27.52	5.71	0.00	42.67	54.00	-11.33 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

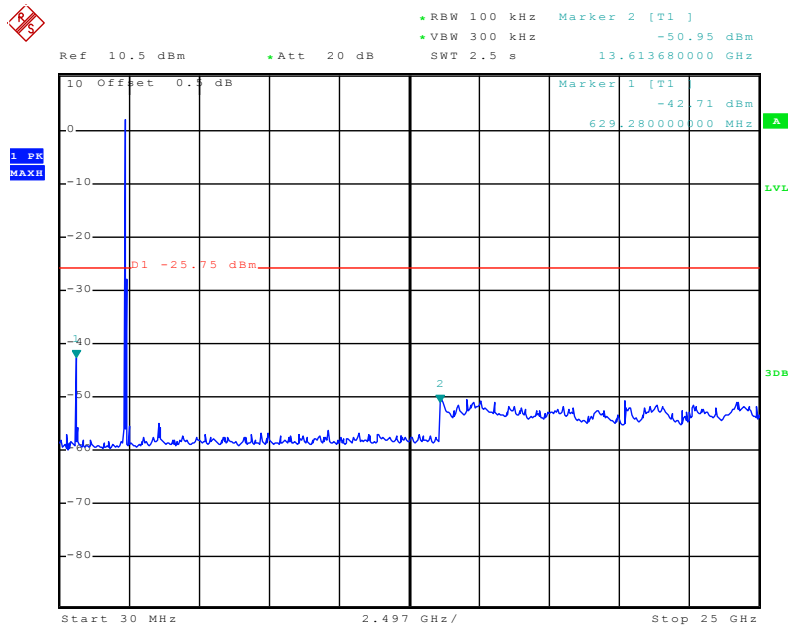
### 6.7.1 Conducted Emission Method

Test Requirement:	FCC Part 15 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 for conducted emission testing. A Spectrum Analyzer is connected via a red cable to an E.U.T (Equipment Under Test). Both are placed on a Non-Conducted Table, which is supported by two vertical legs. Below the table is a Ground Reference Plane.</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

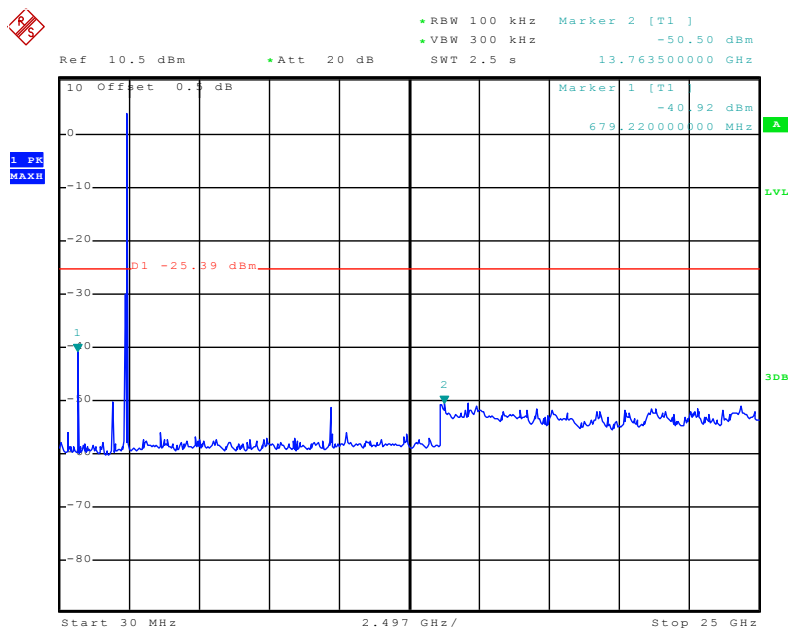
Lowest channel



Date: 27.NOV.2014 08:29:43

30MHz~25GHz

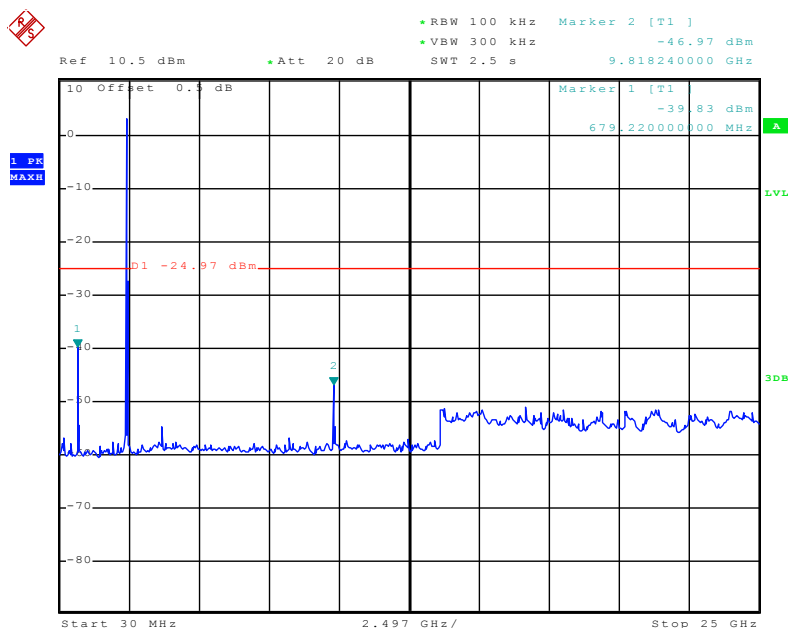
Middle channel



Date: 27.NOV.2014 08:31:18

30MHz~25GHz

### Highest channel

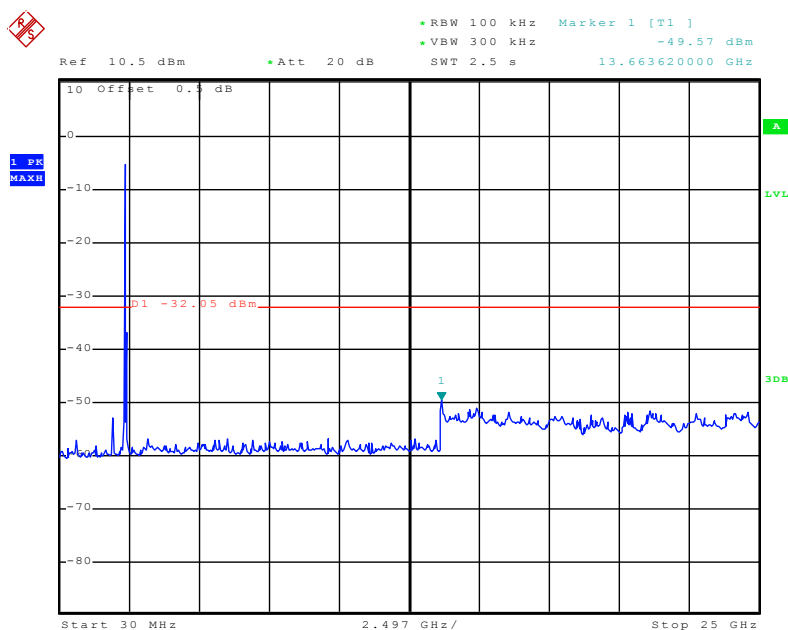


Date: 27.NOV.2014 08:32:27

30MHz~25GHz

### Test mode: 802.11g

### Lowest channel

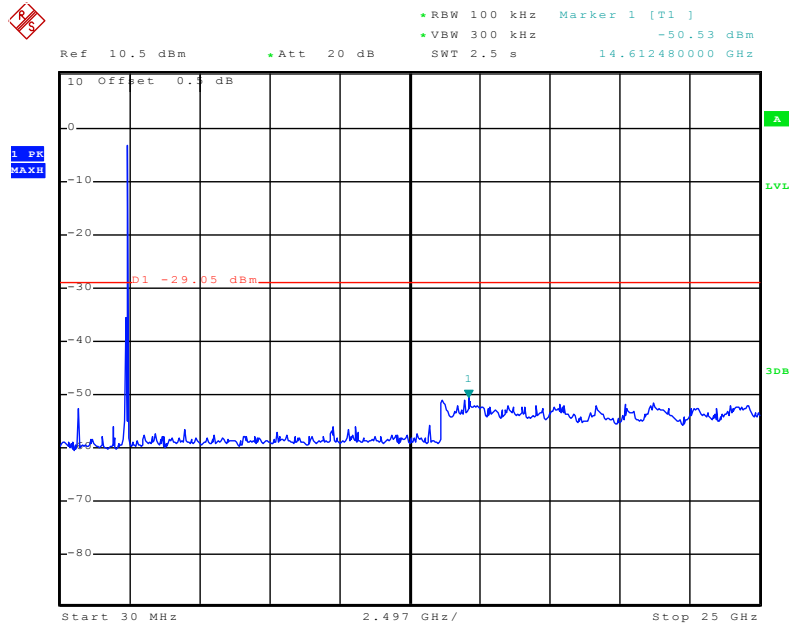


Date: 27.NOV.2014 08:36:02

30MHz~25GHz



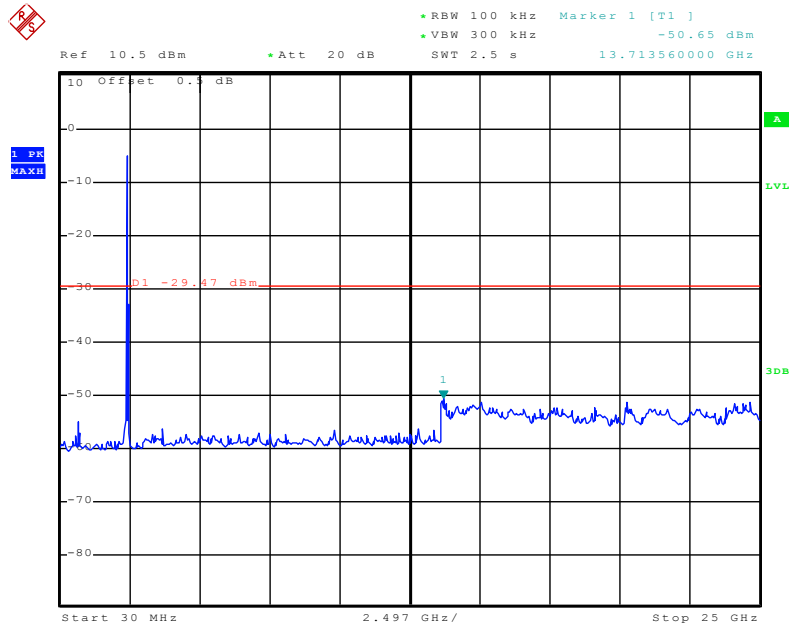
## Middle channel



Date: 27.NOV.2014 08:34:33

30MHz~25GHz

## Highest channel

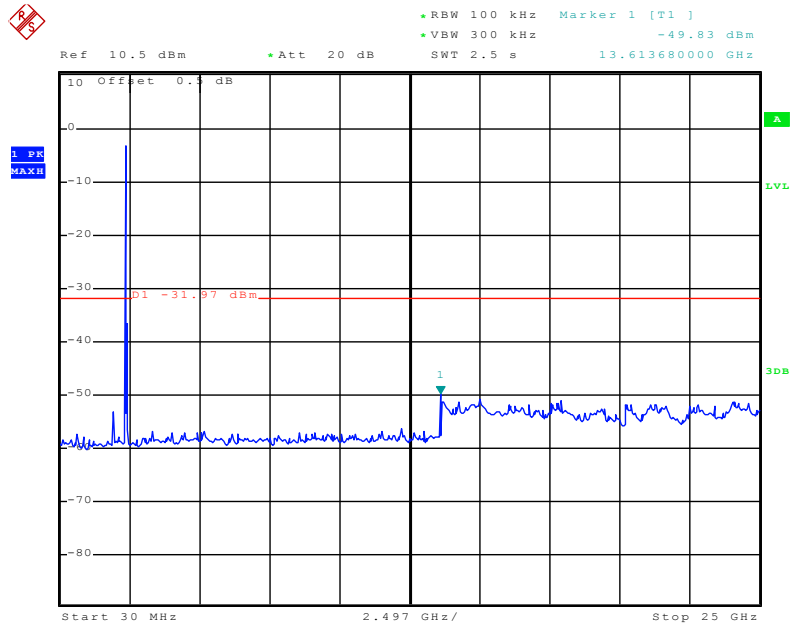


Date: 27.NOV.2014 08:35:16

30MHz~25GHz

Test mode: 802.11n(H20)

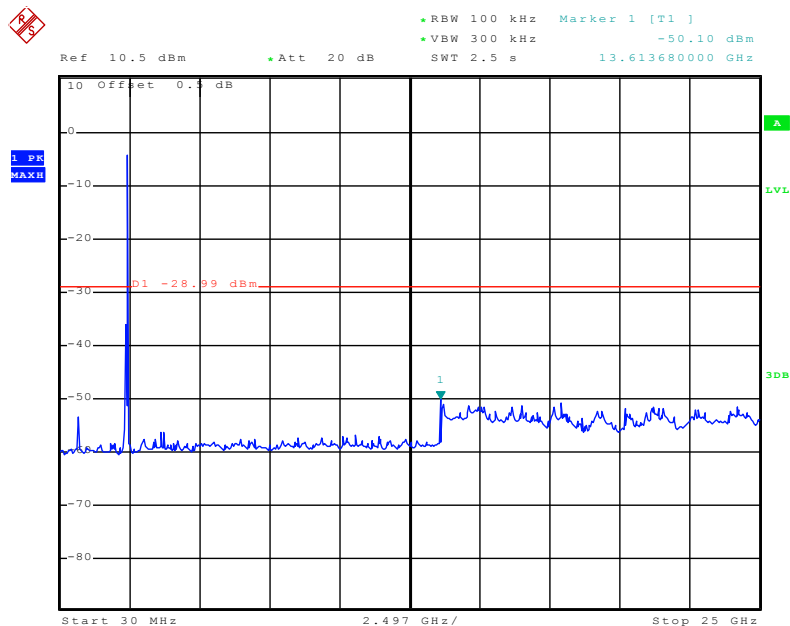
Lowest channel



Date: 27.NOV.2014 08:37:39

30MHz~25GHz

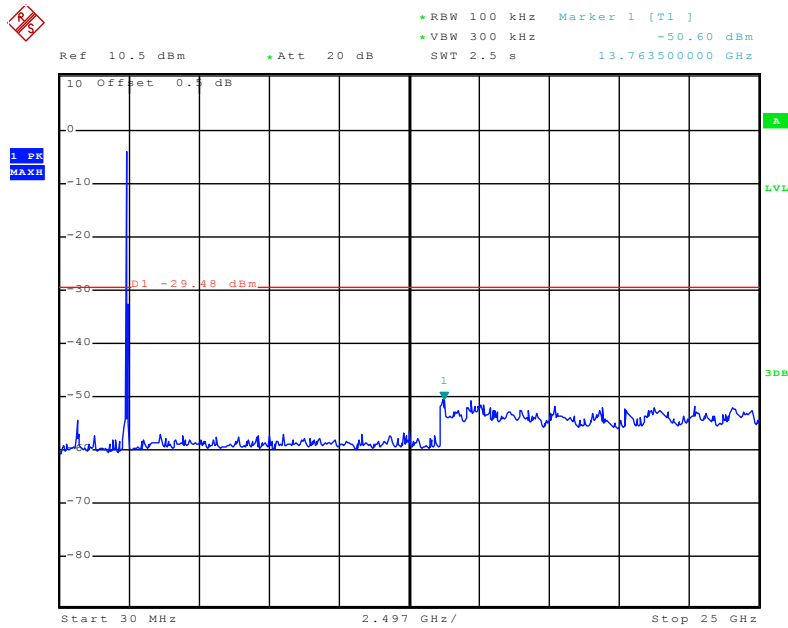
Middle channel



Date: 27.NOV.2014 08:38:26

30MHz~25GHz

## Highest channel

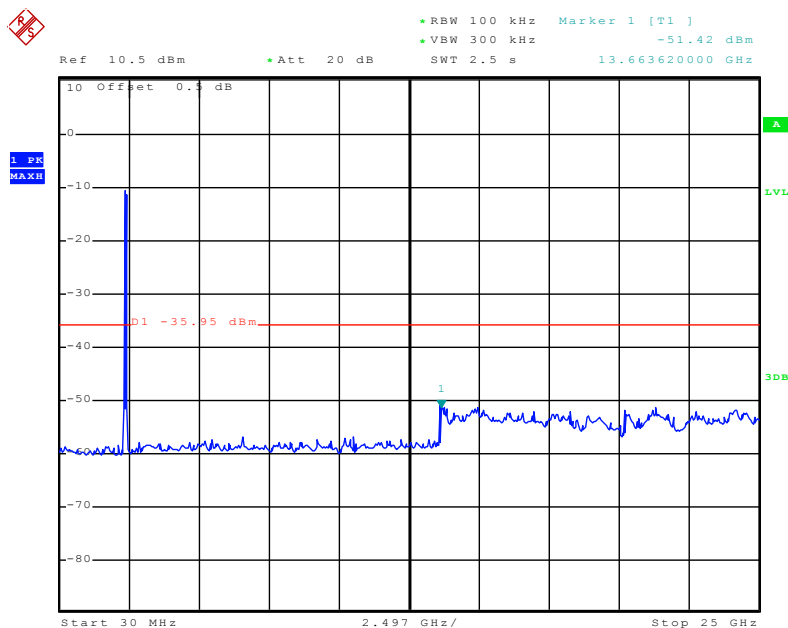


Date: 27.NOV.2014 08:39:02

30MHz~25GHz

## Test mode: 802.11n(H40)

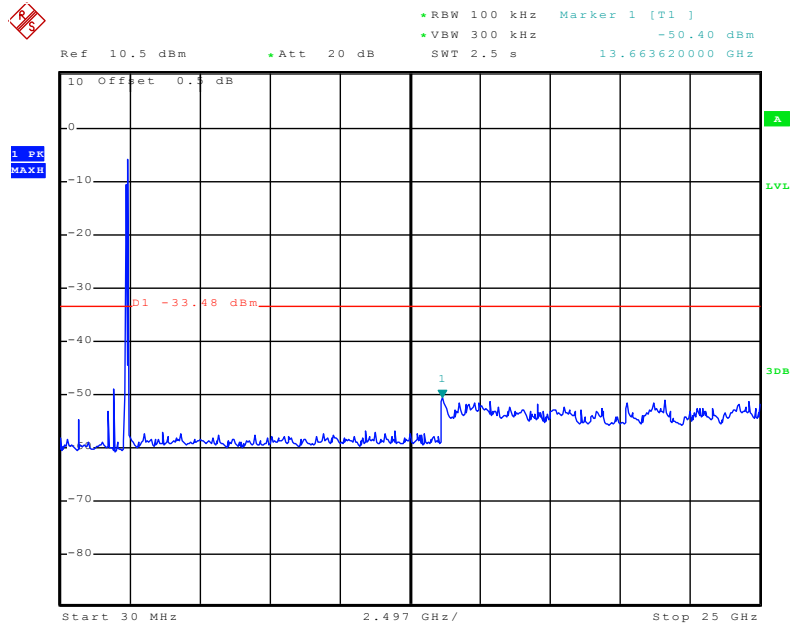
## Lowest channel



Date: 27.NOV.2014 08:40:01

30MHz~25GHz

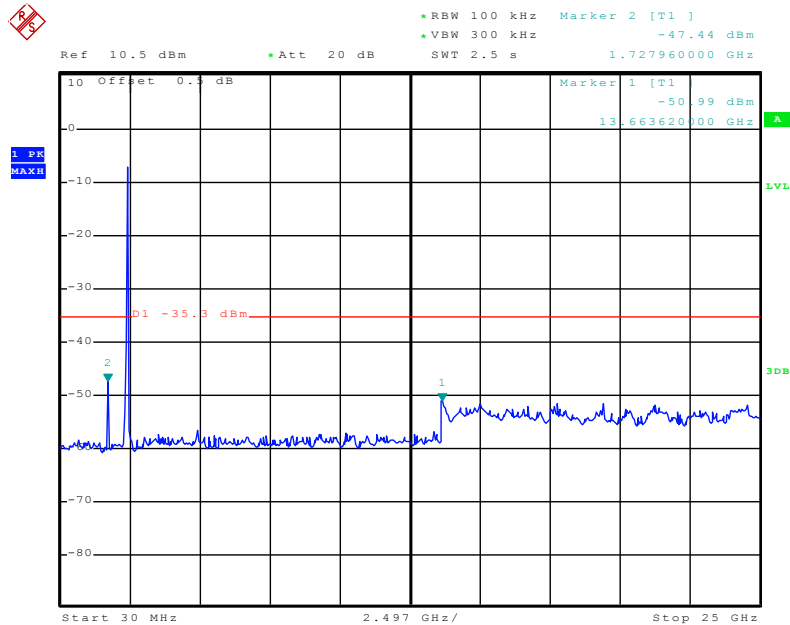
## Middle channel



Date: 27.NOV.2014 08:40:47

30MHz~25GHz

## Highest channel

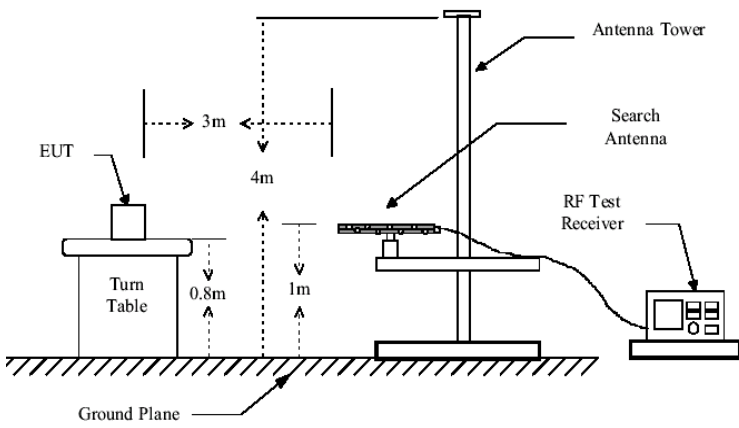
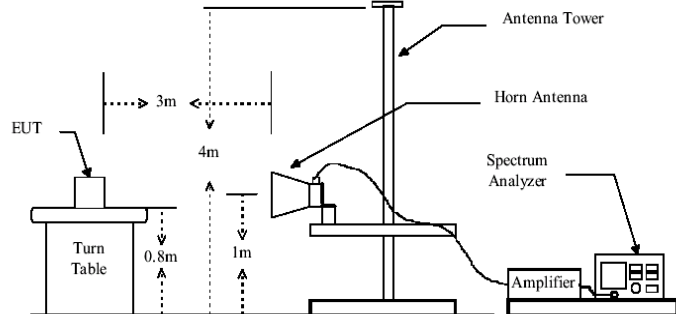


Date: 27.NOV.2014 08:42:18

30MHz~25GHz

## 6.7.2 Radiated Emission Method

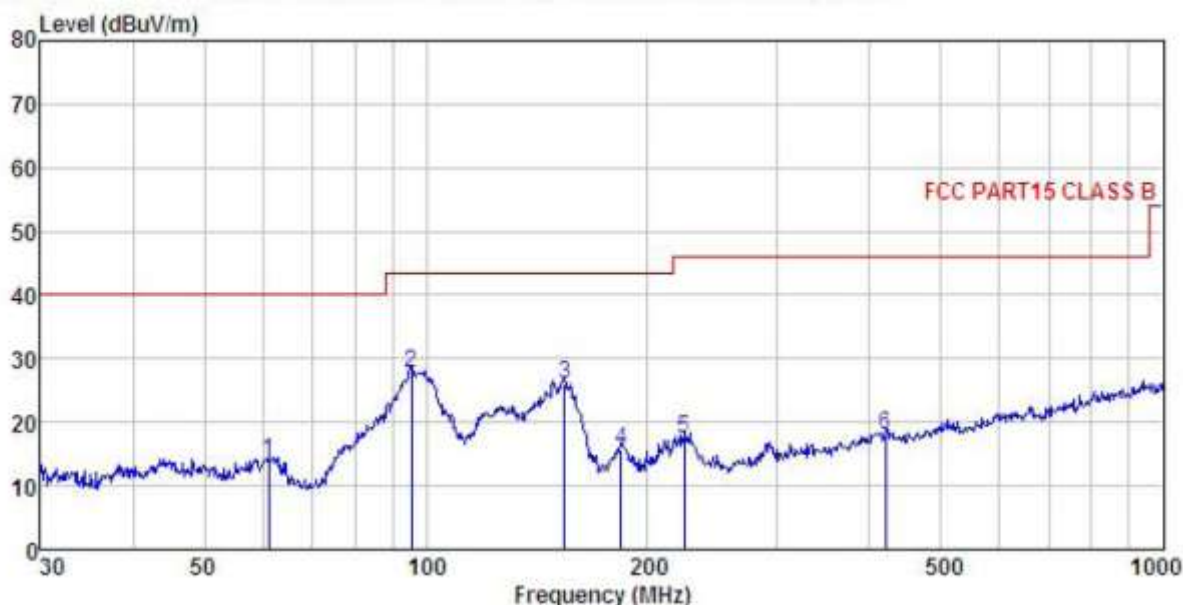
Test Requirement:	FCC Part 15 C Section 15.209 and 15.205				
Test Method:	ANSI C63.4:2003				
Test Frequency Range:	9KHz to 25GHz				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Remark
	30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	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>				

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



## Below 1GHz

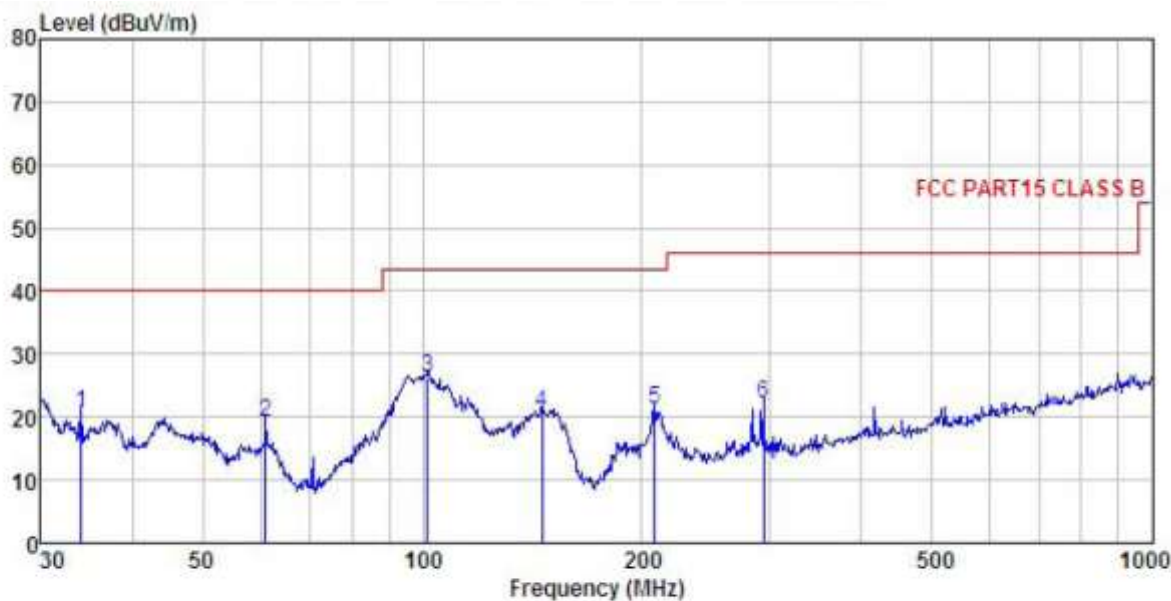
Horizontal :



Site : 3m chamber  
 Condition : FCC PART15 CLASS B 3m VULB9163(30M1G) HORIZONTAL  
 Job No. : 964RF  
 EUT : Smart Phone  
 Model : V7  
 Test mode : Wifi mode  
 Power Rating : AC 120V/60Hz  
 Environment : Temp:25.5°C Humi:55%  
 Test Engineer: MT  
 REMARK :

	Freq	ReadAntenna	Cable Preamp		Limit	Over	
	Level	Factor	Loss	Factor	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dB
1	61.132	30.51	12.29	0.70	29.77	13.73	40.00 -26.27 QP
2	95.427	43.59	12.87	0.93	29.55	27.84	43.50 -15.66 QP
3	154.279	45.48	8.45	1.33	29.18	26.08	43.50 -17.42 QP
4	183.844	33.37	10.00	1.36	28.94	15.79	43.50 -27.71 QP
5	223.733	33.14	11.36	1.50	28.69	17.31	46.00 -28.69 QP
6	420.580	29.27	15.47	2.18	28.82	18.10	46.00 -27.90 QP

Vertical :



Site : 3m chamber  
 Condition : FCC PART15 CLASS B 3m VULB9163(30M1G) VERTICAL  
 Job No. : 964RF  
 EUT : Smart Phone  
 Model : V7  
 Test mode : Wifi mode  
 Power Rating : AC 120V/60Hz  
 Environment : Temp:25.5°C Humi:55%  
 Test Engineer: MT  
 REMARK :

	Freq	ReadAntenna	Cable Preamp		Limit	Over	
	MHz	Level	Factor	Loss Factor	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dBuV/m	dBuV/m	dB
1	34.037	37.88	12.31	0.47	29.96	20.70	40.00 -19.30 QP
2	60.918	35.70	12.43	0.70	29.77	19.06	40.00 -20.94 QP
3	101.644	41.72	13.02	0.98	29.52	26.20	43.50 -17.30 QP
4	145.861	40.37	8.23	1.30	29.24	20.66	43.50 -22.84 QP
5	207.850	37.85	10.80	1.42	28.78	21.29	43.50 -22.21 QP
6	293.084	36.05	12.92	1.75	28.46	22.26	46.00 -23.74 QP

### Above 1GHz

Test mode: 802.11b			Test channel: Lowest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4824.00	48.78	31.53	8.90	40.24	48.97	74.00	-25.03	Vertical
7236.00	--	--	--	--	--	--	--	Vertical
4824.00	48.78	31.53	8.90	40.24	48.97	74.00	-25.03	Horizontal
7236.00	--	--	--	--	--	--	--	Horizontal
Test mode: 802.11b			Test channel: Lowest			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4824.00	42.22	31.53	8.90	40.24	42.41	54.00	-11.59	Vertical
7236.00	--	--	--	--	--	--	--	Vertical
4824.00	42.90	31.53	8.90	40.24	43.09	54.00	-10.91	Horizontal
7236.00	--	--	--	--	--	--	--	Horizontal

Test mode: 802.11b			Test channel: Middle			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4874.00	50.11	31.58	8.98	40.15	50.52	74.00	-23.48	Vertical
7311.00	--	--	--	--	--	--	--	Vertical
4874.00	48.86	31.58	8.98	40.15	49.27	74.00	-24.73	Horizontal
7311.00	--	--	--	--	--	--	--	Horizontal
Test mode: 802.11b			Test channel: Middle			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4874.00	42.85	31.58	8.98	40.15	43.26	54.00	-10.74	Vertical
7311.00	--	--	--	--	--	--	--	Vertical
4874.00	43.05	31.58	8.98	40.15	43.46	54.00	-10.54	Horizontal
7311.00	--	--	--	--	--	--	--	Horizontal

Test mode: 802.11b			Test channel: Highest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4924.00	53.06	31.69	9.08	40.03	53.80	74.00	-20.20	Vertical
7386.00	--	--	--	--	--	--	--	Vertical
4924.00	56.77	31.69	9.08	40.03	57.51	74.00	-16.49	Horizontal
7386.00	--	--	--	--	--	--	--	Horizontal
Test mode: 802.11b			Test channel: Highest			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4924.00	49.49	31.69	9.08	40.03	50.23	54.00	-3.77	Vertical
7386.00	--	--	--	--	--	--	--	Vertical
4924.00	50.60	31.69	9.08	40.03	51.34	54.00	-2.66	Horizontal
7386.00	--	--	--	--	--	--	--	Horizontal

#### Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Pre-amplifier 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.

Test mode: 802.11g			Test channel: Lowest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4824.00	47.84	31.53	8.90	40.24	48.03	74.00	-25.97	Vertical
7236.00	--	--	--	--	--	--	--	Vertical
4824.00	48.12	31.53	8.90	40.24	48.31	74.00	-25.69	Horizontal
7236.00	--	--	--	--	--	--	--	Horizontal
Test mode: 802.11g			Test channel: Lowest			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4824.00	37.45	31.53	8.90	40.24	37.64	54.00	-16.36	Vertical
7236.00	--	--	--	--	--	--	--	Vertical
4824.00	39.44	31.53	8.90	40.24	39.63	54.00	-14.37	Horizontal
7236.00	--	--	--	--	--	--	--	Horizontal

Test mode: 802.11g			Test channel: Middle			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4874.00	50.05	31.58	8.98	40.15	50.46	74.00	-23.54	Vertical
7311.00	--	--	--	--	--	--	--	Vertical
4874.00	47.58	31.58	8.98	40.15	47.99	74.00	-26.01	Horizontal
7311.00	--	--	--	--	--	--	--	Horizontal
Test mode: 802.11g			Test channel: Middle			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4874.00	42.15	31.58	8.98	40.15	42.56	54.00	-11.44	Vertical
7311.00	--	--	--	--	--	--	--	Vertical
4874.00	41.85	31.58	8.98	40.15	42.26	54.00	-11.74	Horizontal
7311.00	--	--	--	--	--	--	--	Horizontal

Test mode: 802.11g			Test channel: Highest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4924.00	48.45	31.69	9.08	40.03	49.19	74.00	-24.81	Vertical
7386.00	--	--	--	--	--	--	--	Vertical
4924.00	48.06	31.69	9.08	40.03	48.80	74.00	-25.20	Horizontal
7386.00	--	--	--	--	--	--	--	Horizontal
Test mode: 802.11g			Test channel: Highest			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4924.00	38.41	31.69	9.08	40.03	39.15	54.00	-14.85	Vertical
7386.00	--	--	--	--	--	--	--	Vertical
4924.00	40.02	31.69	9.08	40.03	48.76	54.00	-13.24	Horizontal
7386.00	--	--	--	--	--	--	--	Horizontal

### 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.

Test mode: 802.11n(H20)			Test channel: Lowest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4824.00	47.67	31.53	8.90	40.24	47.86	74.00	-26.14	Vertical
7236.00	--	--	--	--	--	--	--	Vertical
4824.00	48.09	31.53	8.90	40.24	48.28	74.00	-25.72	Horizontal
7236.00	--	--	--	--	--	--	--	Horizontal
Test mode: 802.11n(H20)			Test channel: Lowest			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4824.00	37.42	31.53	8.90	40.24	37.61	54.00	-16.39	Vertical
7236.00	--	--	--	--	--	--	--	Vertical
4824.00	38.21	31.53	8.90	40.24	38.40	54.00	-15.60	Horizontal
7236.00	--	--	--	--	--	--	--	Horizontal

Test mode: 802.11n(H20)			Test channel: Middle			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4874.00	49.67	31.58	8.98	40.15	50.08	74.00	-23.92	Vertical
7311.00	--	--	--	--	--	--	--	Vertical
4874.00	46.66	31.58	8.98	40.15	47.07	74.00	-26.93	Horizontal
7311.00	--	--	--	--	--	--	--	Horizontal
Test mode: 802.11n(H20)			Test channel: Middle			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4874.00	42.18	31.58	8.98	40.15	42.59	54.00	-11.41	Vertical
7311.00	--	--	--	--	--	--	--	Vertical
4874.00	41.67	31.58	8.98	40.15	42.08	54.00	-11.92	Horizontal
7311.00	--	--	--	--	--	--	--	Horizontal

Test mode: 802.11n(H20)			Test channel: Highest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4924.00	48.34	31.69	9.08	40.03	49.08	74.00	-24.92	Vertical
7386.00	--	--	--	--	--	--	--	Vertical
4924.00	47.90	31.69	9.08	40.03	48.64	74.00	-25.36	Horizontal
7386.00	--	--	--	--	--	--	--	Horizontal
Test mode: 802.11n(H20)			Test channel: Highest			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4924.00	39.74	31.69	9.08	40.03	40.48	54.00	-13.52	Vertical
7386.00	--	--	--	--	--	--	--	Vertical
4924.00	37.46	31.69	9.08	40.03	38.20	54.00	-15.80	Horizontal
7386.00	--	--	--	--	--	--	--	Horizontal

### 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.



Test mode: 802.11n(H40)			Test channel: Lowest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4844.00	47.34	31.53	8.90	40.24	47.53	74.00	-26.47	Vertical
7266.00	--	--	--	--	--	--	--	Vertical
4844.00	47.58	31.53	8.90	40.24	47.77	74.00	-26.23	Horizontal
7266.00	--	--	--	--	--	--	--	Horizontal
Test mode: 802.11n(H40)			Test channel: Lowest			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4844.00	38.65	31.53	8.90	40.24	38.84	54.00	-15.16	Vertical
7266.00	--	--	--	--	--	--	--	Vertical
4844.00	38.68	31.53	8.90	40.24	38.87	54.00	-15.13	Horizontal
7266.00	--	--	--	--	--	--	--	Horizontal

Test mode: 802.11n(H40)			Test channel: Middle			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4874.00	48.67	31.58	8.98	40.15	49.08	74.00	-24.92	Vertical
7311.00	--	--	--	--	--	--	--	Vertical
4874.00	45.37	31.58	8.98	40.15	45.78	74.00	-28.22	Horizontal
7311.00	--	--	--	--	--	--	--	Horizontal
Test mode: 802.11n(H40)			Test channel: Middle			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4874.00	43.64	31.58	8.98	40.15	44.05	54.00	-9.95	Vertical
7311.00	--	--	--	--	--	--	--	Vertical
4874.00	40.46	31.58	8.98	40.15	40.87	54.00	-13.13	Horizontal
7311.00	--	--	--	--	--	--	--	Horizontal

Test mode: 802.11n(H40)			Test channel: Highest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4904.00	48.65	31.69	9.08	40.03	49.39	74.00	-24.61	Vertical
7356.00	--	--	--	--	--	--	--	Vertical
4904.00	48.54	31.69	9.08	40.03	49.28	74.00	-24.72	Horizontal
7356.00	--	--	--	--	--	--	--	Horizontal
Test mode: 802.11n(H40)			Test channel: Highest			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4904.00	38.45	31.69	9.08	40.03	39.19	54.00	-14.81	Vertical
7356.00	--	--	--	--	--	--	--	Vertical
4904.00	38.72	31.69	9.08	40.03	39.46	54.00	-14.54	Horizontal
7356.00	--	--	--	--	--	--	--	Horizontal

### 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.