

Test Setup:

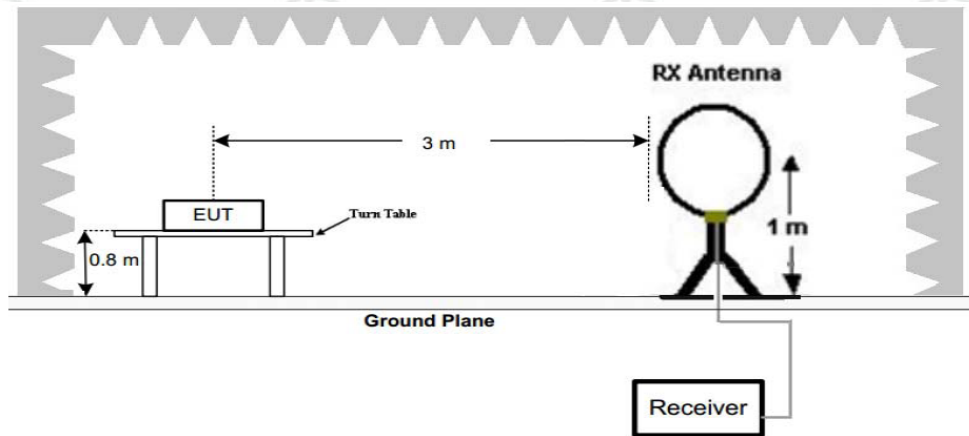


Figure 1. Below 30MHz

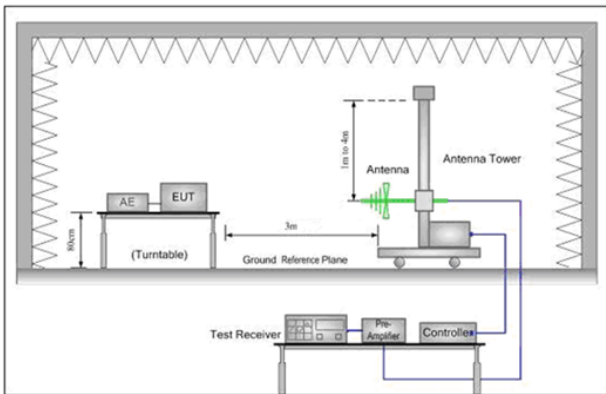


Figure 2. 30MHz to 1GHz

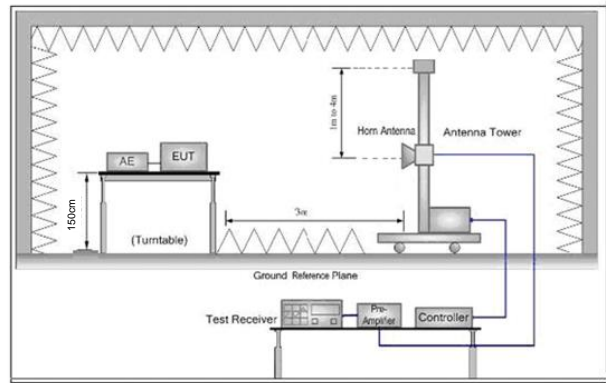


Figure 3. Above 1 GHz

Test Procedure:

a. 1) Below 1G: The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

2) Above 1G: The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

Note: For the radiated emission test above 1GHz:

Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.

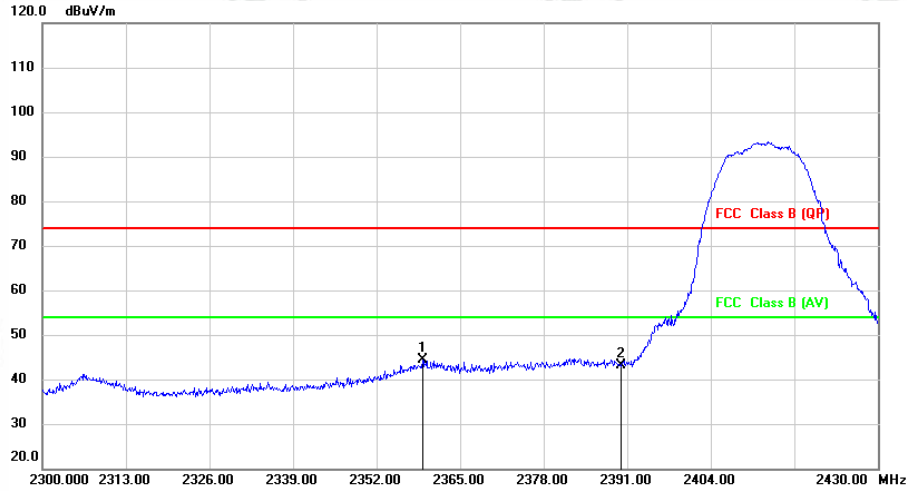
b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

	<p>c. 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.</p> <p>d. 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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</p> <p>e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</p> <p>f. 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> <p>g. Test the EUT in the lowest channel (2402MHz),the middle channel (2440MHz),the Highest channel (2480MHz)</p> <p>h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.</p> <p>i. Repeat above procedures until all frequencies measured was complete.</p>
Test Mode:	Refer to clause 2.2
Test Results:	Pass

Test plot as follows:

Mode:	802.11b Transmitting	Channel:	Low
Remark:	Horizontal		

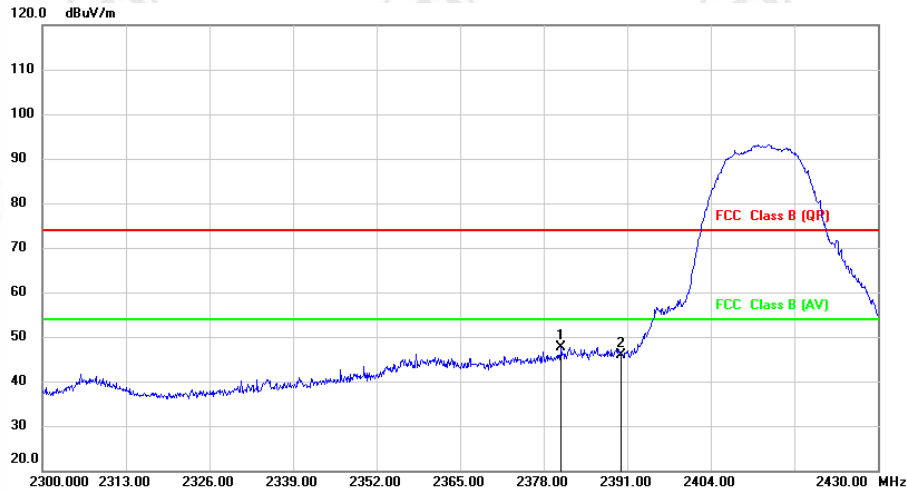
Test Graph



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2359.150	41.63	2.63	44.26	74.00	-29.74	142	360	peak
2	2390.000	40.42	2.71	43.13	74.00	-30.87	100	180	peak

Mode:	802.11b Transmitting	Channel:	Low
Remark:	Vertical		

Test Graph

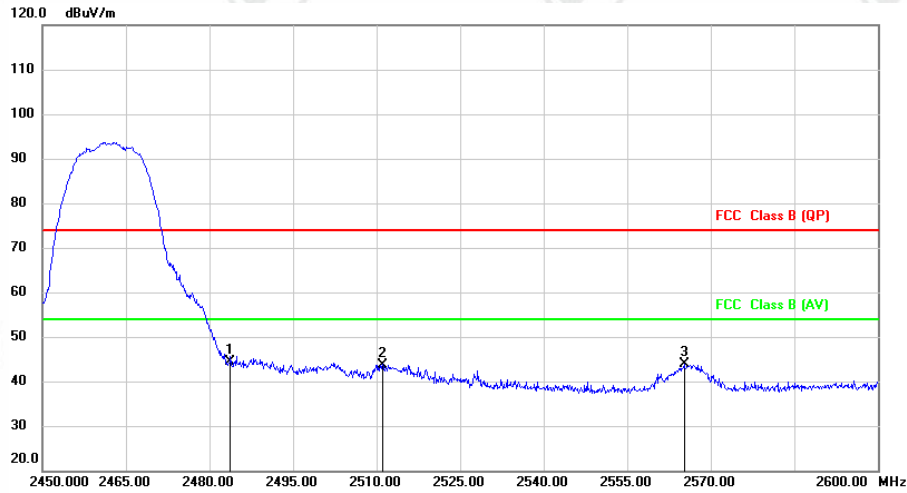


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2380.730	44.99	2.69	47.68	74.00	-26.32	100	260	peak
2	2390.000	43.15	2.71	45.86	74.00	-28.14	100	260	peak

Test plot as follows:

Mode:	802.11b Transmitting	Channel:	High
Remark:	Horizontal		

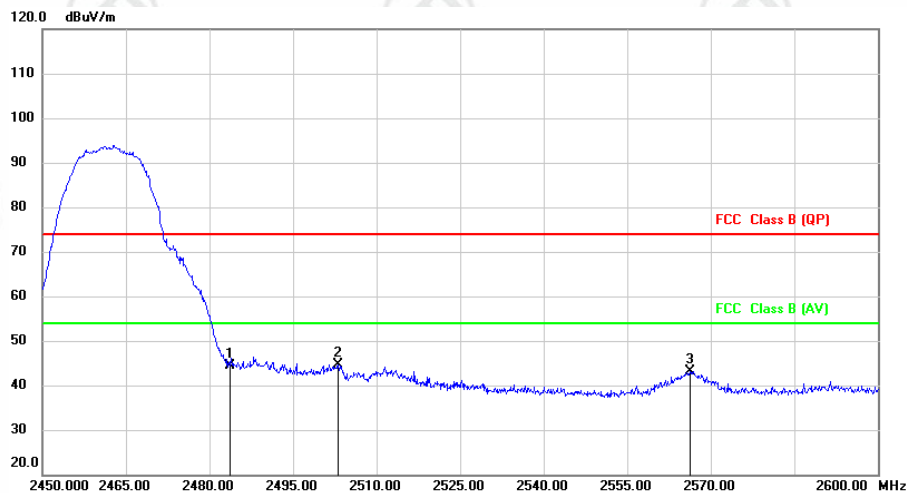
Test Graph



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	41.56	2.92	44.48	74.00	-29.52	100	183	peak
2	2511.050	40.78	2.97	43.75	74.00	-30.25	100	183	peak
	2565.200	40.86	3.09	43.95	74.00	-30.05	100	189	peak

Mode:	802.11b Transmitting	Channel:	High
Remark:	Vertical		

Test Graph

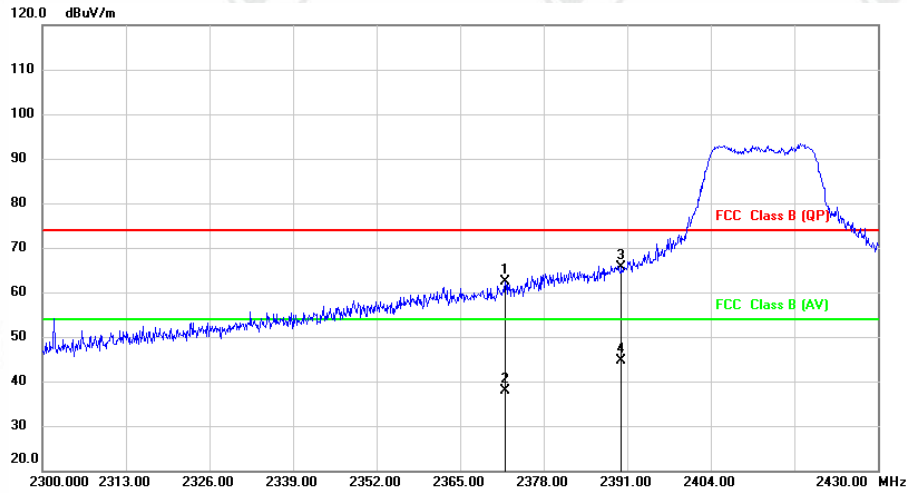


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	41.35	2.92	44.27	74.00	-29.73	100	257	peak
2	2503.100	41.76	2.96	44.72	74.00	-29.28	100	269	peak
3	2566.250	40.11	3.09	43.20	74.00	-30.80	100	151	peak

Test plot as follows:

Mode:	802.11g Transmitting	Channel:	Low
Remark:	Horizontal		

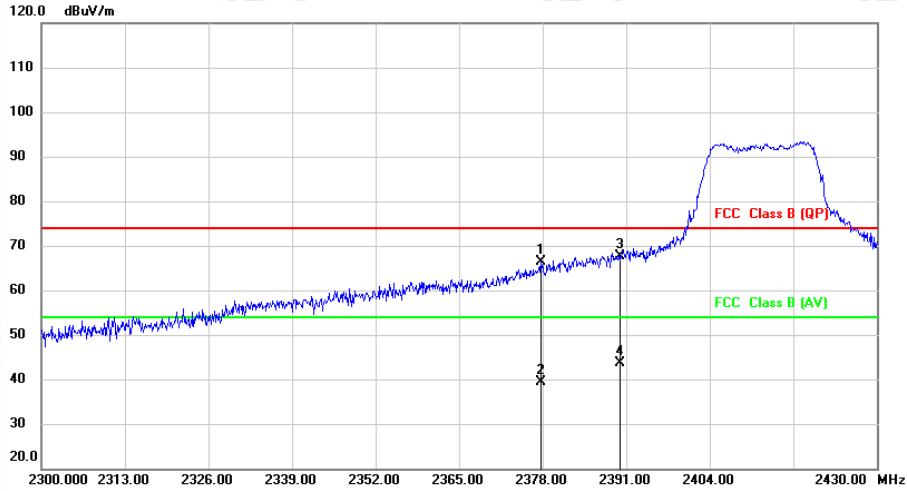
Test Graph



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2372.020	59.70	2.66	62.36	74.00	-11.64	100	110	peak
2	2372.020	35.30	2.66	37.96	54.00	-16.04	100	110	AVG
3	2390.000	62.84	2.71	65.55	74.00	-8.45	100	119	peak
4	2390.000	41.96	2.71	44.67	54.00	-9.33	100	346	AVG

Mode:	802.11g Transmitting	Channel:	Low
Remark:	Vertical		

Test Graph

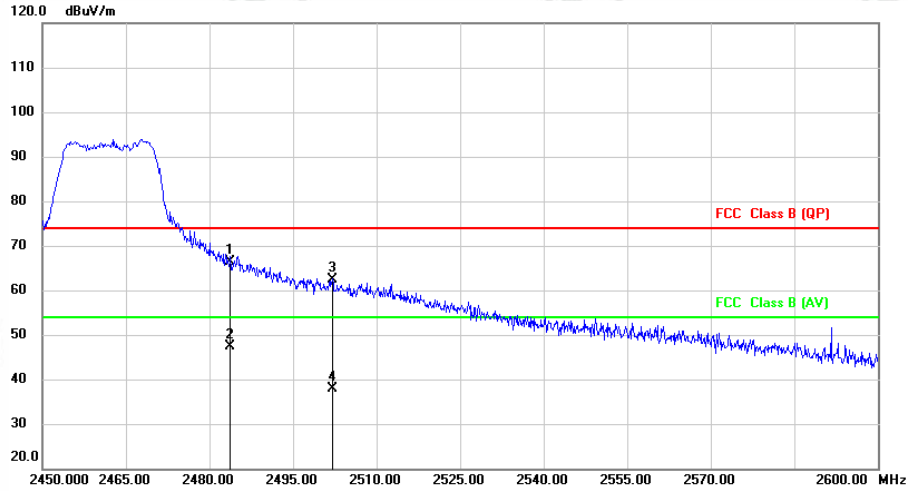


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2377.740	63.60	2.68	66.28	74.00	-7.72	100	258	peak
2	2377.740	36.81	2.68	39.49	54.00	-14.51	100	195	AVG
3	2390.000	64.84	2.71	67.55	74.00	-6.45	100	263	peak
4	2390.000	40.98	2.71	43.69	54.00	-10.31	100	263	AVG

Test plot as follows:

Mode:	802.11g Transmitting	Channel:	High
Remark:	Horizontal		

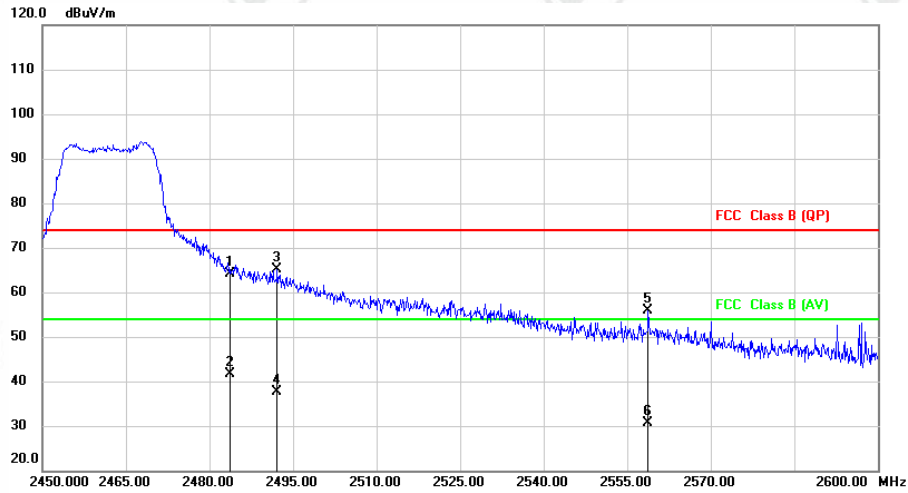
Test Graph



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	63.58	2.92	66.50	74.00	-7.50	100	316	peak
2	2483.500	44.54	2.92	47.46	54.00	-6.54	100	316	AVG
3	2502.050	59.55	2.95	62.50	74.00	-11.50	100	301	peak
4	2502.050	35.01	2.95	37.96	54.00	-16.04	100	301	AVG

Mode:	802.11g Transmitting	Channel:	High
Remark:	Vertical		

Test Graph



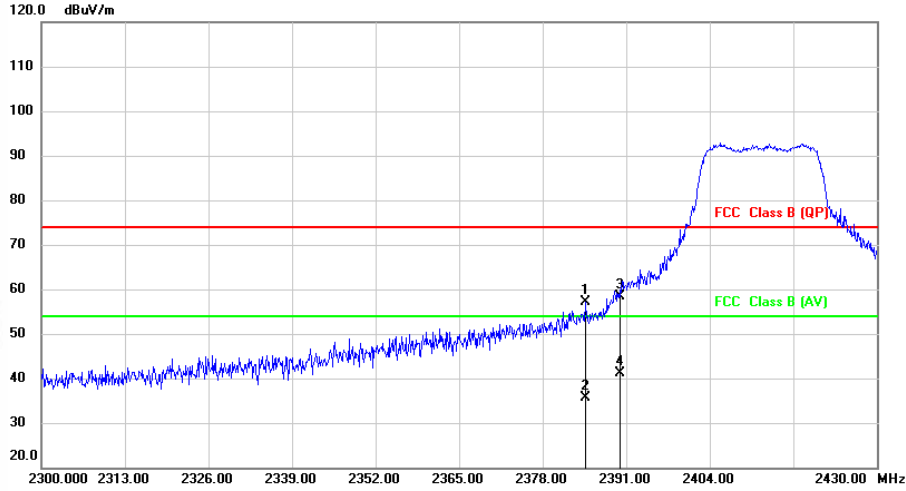
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	61.09	2.92	64.01	74.00	-9.99	100	71	peak
2	2483.500	38.68	2.92	41.60	54.00	-12.40	100	71	AVG
3	2492.150	62.14	2.93	65.07	74.00	-8.93	100	47	peak
4	2492.150	34.69	2.93	37.62	54.00	-16.38	100	197	AVG
5	2558.750	52.85	3.07	55.92	74.00	-18.08	100	179	peak
6	2558.750	27.52	3.07	30.59	54.00	-23.41	100	179	AVG

Report No. : EED39N81175501

Test plot as follows:

Mode:	802.11n20 Transmitting	Channel:	Low
Remark:	Horizontal		

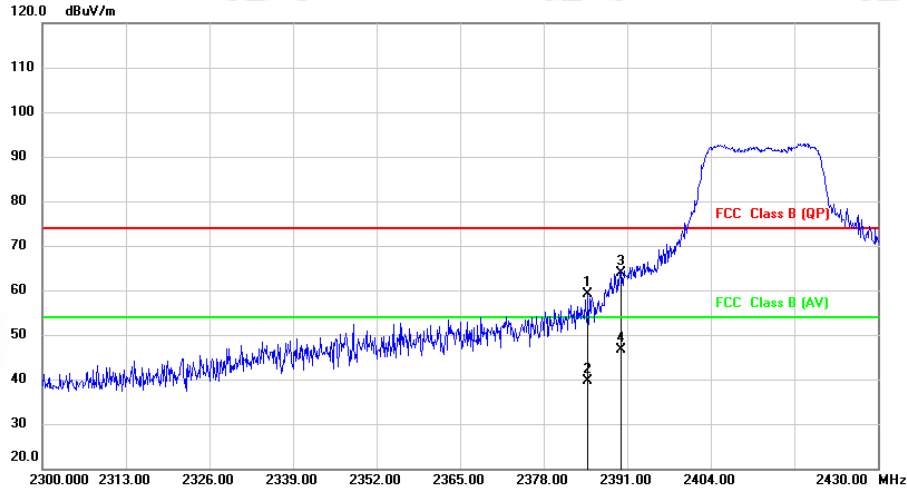
Test Graph



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2384.630	54.41	2.70	57.11	74.00	-16.89	126	360	peak
2	2384.630	32.96	2.70	35.66	54.00	-18.34	126	360	AVG
3	2390.000	55.69	2.71	58.40	74.00	-15.60	100	132	peak
4	2390.000	38.40	2.71	41.11	54.00	-12.89	100	132	AVG

Mode:	802.11n20 Transmitting	Channel:	Low
Remark:	Vertical		

Test Graph

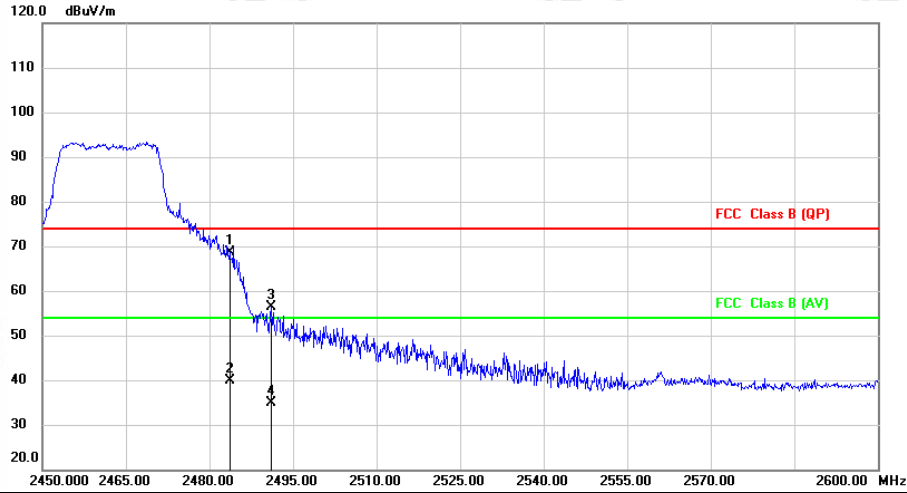


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2384.890	56.33	2.70	59.03	74.00	-14.97	100	254	peak
2	2384.890	36.84	2.70	39.54	54.00	-14.46	100	254	AVG
3	2390.000	61.17	2.71	63.88	74.00	-10.12	100	257	peak
4	2390.000	43.87	2.71	46.58	54.00	-7.42	100	257	AVG

Test plot as follows:

Mode:	802.11n20 Transmitting	Channel:	High
Remark:	Horizontal		

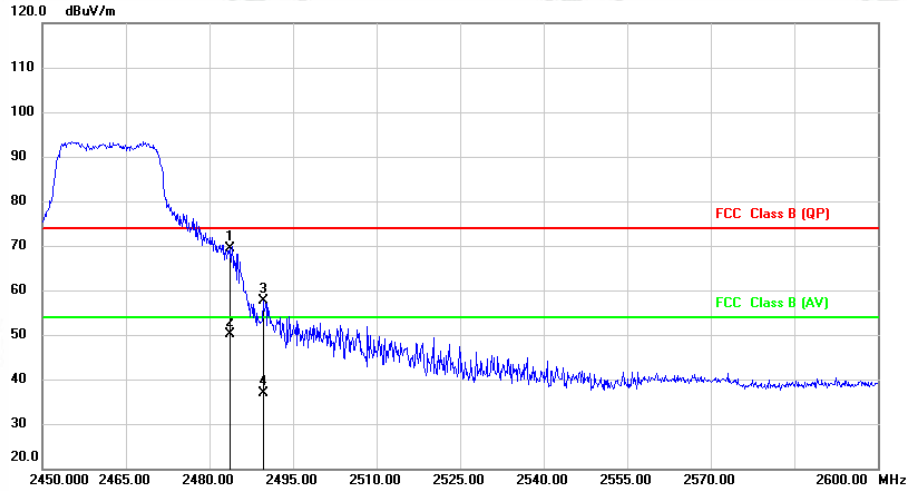
Test Graph



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	65.75	2.92	68.67	74.00	-5.33	100	113	peak
2	2483.500	37.06	2.92	39.98	54.00	-14.02	100	113	AVG
3	2491.100	53.40	2.93	56.33	74.00	-17.67	100	182	peak
4	2491.100	31.96	2.93	34.89	54.00	-19.11	100	182	AVG

Mode:	802.11n20 Transmitting	Channel:	High
Remark:	Vertical		

Test Graph



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	66.44	2.92	69.36	74.00	-4.64	100	258	peak
2	2483.500	47.30	2.92	50.22	54.00	-3.78	100	258	AVG
3	2489.600	54.73	2.93	57.66	74.00	-16.34	100	249	peak
4	2489.600	33.98	2.93	36.91	54.00	-17.09	100	249	AVG

1)As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20dB under any condition of modulation. So, only the peak values are measured:

2) The field strength is calculated by adding the correct Factor. The basic equation with a sample calculation is as follows:

$$\text{Final Test Level} = \text{Reading} + \text{Correct Factor}$$

$$\text{Correct Factor} = \text{Preamplifier Factor} - \text{Antenna Factor} - \text{Cable Factor}$$

Appendix J): Radiated Spurious Emissions

Test Requirement:	47 CFR Part 15C Section 15.209 and 15.205				
Test Method:	ANSI C63.10 2013				
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)				
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak
	0.009MHz-0.090MHz	Average	10kHz	30kHz	Average
	0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak
	0.110MHz-0.490MHz	Average	10kHz	30kHz	Average
	0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	30MHz-1GHz	Quasi-peak	100 kHz	300kHz	Quasi-peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
Peak		1MHz	10kHz	Average	
Limit:	Frequency	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
	0.009MHz-0.490MHz	2400/F(kHz)	-	-	300
	0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
	1.705MHz-30MHz	30	-	-	30
	30MHz-88MHz	100	40.0	Quasi-peak	3
	88MHz-216MHz	150	43.5	Quasi-peak	3
	216MHz-960MHz	200	46.0	Quasi-peak	3
	960MHz-1GHz	500	54.0	Quasi-peak	3
	Above 1GHz	500	54.0	Average	3
<p>Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.</p>					

Test Setup:

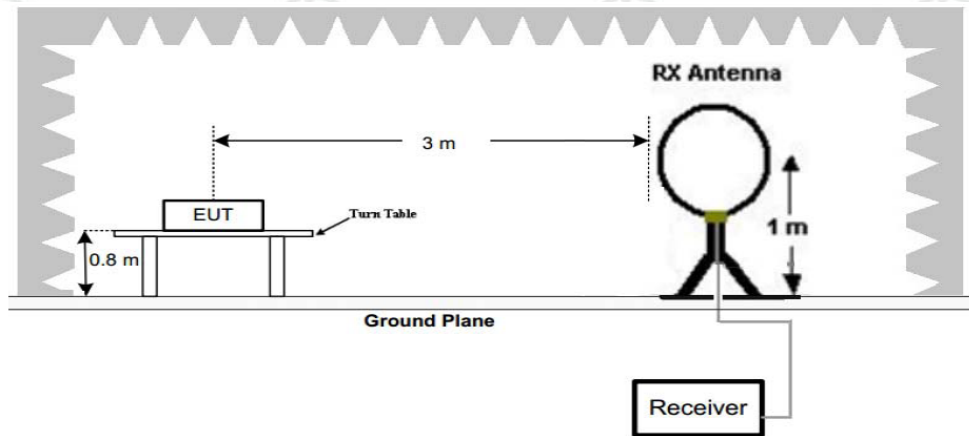


Figure 1. Below 30MHz

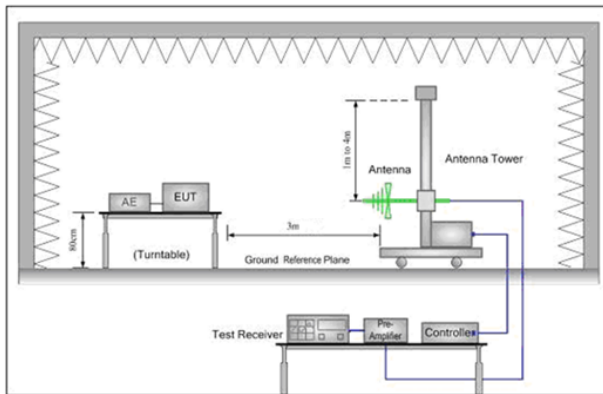


Figure 2. 30MHz to 1GHz

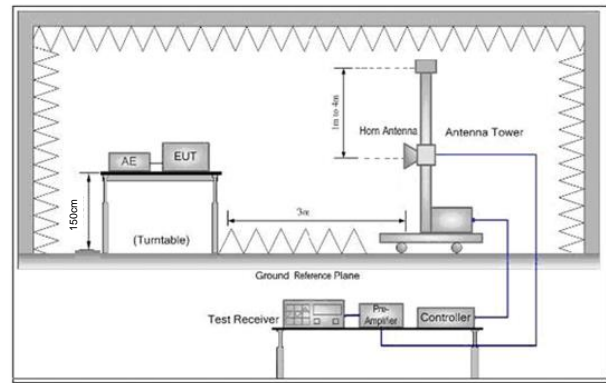


Figure 3. Above 1 GHz

Test Procedure:

- a. 1) Below 1G: The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- 2) Above 1G: The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

Note: For the radiated emission test above 1GHz:

Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.

- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

	<ul style="list-style-type: none"> c. 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. d. 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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. f. 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. g. Test the EUT in the lowest channel (2402MHz),the middle channel (2440MHz),the Highest channel (2480MHz) h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case. i. Repeat above procedures until all frequencies measured was complete.
Test Mode:	Refer to clause 2.2
Test Results:	Pass

Report No. : EED39N81175501

Radiated Spurious Emissions test Data:

Radiated Emission below 1GHz:

Mode:	802.11b Transmitting	Channel:	Low
Remark:			

Frequency (MHz)	Ant. Pol. (H/V)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
33.8800	V	47.07	-19.20	27.87	40.00	-12.13	QP
56.1900	V	43.64	-18.19	25.45	40.00	-14.55	QP
76.5600	V	46.45	-22.70	23.75	40.00	-16.25	QP
189.0800	V	44.96	-20.22	24.74	43.50	-18.76	QP
296.7500	V	41.92	-17.64	24.28	46.00	-21.72	QP
826.3700	V	36.76	-9.51	27.25	46.00	-18.75	QP
189.0800	H	53.87	-20.22	33.65	43.50	-9.85	QP
224.9700	H	52.71	-19.35	33.36	46.00	-12.64	QP
296.7500	H	53.94	-17.64	36.30	46.00	-9.70	QP
513.0600	H	47.36	-11.70	35.66	46.00	-10.34	QP
621.7000	H	43.01	-11.43	31.58	46.00	-14.42	QP
891.3600	H	44.00	-7.59	36.41	46.00	-9.59	QP

Notes:

- 1) Through Pre-scan then find the 802.11b-CH1 is the worst case mode and only the worst data was recorded.

Transmitter Emission above 1GHz:

Mode:	802.11b Transmitting	Channel:	Low
Remark:			

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	1833.000	46.76	0.47	47.23	74.00	-26.77	100	339	peak
2	3363.000	40.83	5.68	46.51	74.00	-27.49	200	136	peak
3	14158.000	30.18	21.72	51.90	74.00	-22.10	200	226	peak

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2377.000	47.04	2.68	49.72	74.00	-24.28	200	234	peak
2	6746.000	33.42	11.46	44.88	74.00	-29.12	200	17	peak
3	11642.000	30.51	17.22	47.73	74.00	-26.27	184	0	peak

Mode:	802.11b Transmitting	Channel:	Mid
Remark:			

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	3363.000	39.06	5.68	44.74	74.00	-29.26	100	229	peak
2	6542.000	33.45	11.20	44.65	74.00	-29.35	100	41	peak
3	14379.000	30.43	22.19	52.62	74.00	-21.38	200	226	peak

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2360.000	46.96	2.63	49.59	74.00	-24.41	100	106	peak
2	6729.000	35.58	11.45	47.03	74.00	-26.97	100	341	peak
3	12458.000	29.81	18.20	48.01	74.00	-25.99	100	235	peak

Mode:	802.11b Transmitting	Channel:	High
Remark:			

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	1561.000	54.41	-1.47	52.94	74.00	-21.06	100	179	peak
2	3329.000	47.24	5.58	52.82	74.00	-21.18	100	179	peak
3	6865.000	41.40	11.57	52.97	74.00	-21.03	100	7	peak
4	13988.000	30.93	21.49	52.42	74.00	-21.58	200	1	peak

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	1833.000	48.42	0.47	48.89	74.00	-25.11	100	164	peak
2	8242.000	31.74	13.29	45.03	74.00	-28.97	199	0	peak
3	12271.000	30.69	17.79	48.48	74.00	-25.52	100	90	peak

Mode:	802.11g Transmitting	Channel:	Low
Remark:			

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2377.000	46.43	2.68	49.11	74.00	-24.89	200	350	peak
2	8769.000	31.70	13.87	45.57	74.00	-28.43	200	200	peak
3	13971.000	31.25	21.46	52.71	74.00	-21.29	200	34	peak

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2377.000	49.00	2.68	51.68	74.00	-22.32	100	236	peak
2	7341.000	33.66	12.23	45.89	74.00	-28.11	200	124	peak
3	14158.000	30.95	21.72	52.67	74.00	-21.33	200	103	peak

Mode:	802.11g Transmitting	Channel:	Mid
Remark:			

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	3754.000	36.40	6.90	43.30	74.00	-30.70	200	187	peak
2	7256.000	33.96	12.09	46.05	74.00	-27.95	200	56	peak
3	11166.000	30.57	16.79	47.36	74.00	-26.64	100	0	peak

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	1833.000	49.95	0.47	50.42	74.00	-23.58	200	98	peak
2	2377.000	47.58	2.68	50.26	74.00	-23.74	100	277	peak
3	14362.000	30.78	22.15	52.93	74.00	-21.07	100	163	peak

Mode:	802.11g Transmitting	Channel:	High
Remark:			

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	6933.000	33.79	11.62	45.41	74.00	-28.59	200	286	peak
2	11098.000	31.38	16.68	48.06	74.00	-25.94	100	339	peak
3	14243.000	30.97	21.88	52.85	74.00	-21.15	100	138	peak

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	6848.000	32.97	11.55	44.52	74.00	-29.48	200	320	peak
2	11098.000	30.99	16.68	47.67	74.00	-26.33	100	292	peak
3	14906.000	31.05	22.97	54.02	74.00	-19.98	179	0	peak

Mode:	802.11n Transmitting	Channel:	Low
Remark:			

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2360.000	45.67	2.63	48.30	74.00	-25.70	100	120	peak
2	11183.000	31.48	16.82	48.30	74.00	-25.70	200	42	peak
3	14974.000	30.05	23.06	53.11	74.00	-20.89	200	119	peak

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	1833.000	49.06	0.47	49.53	74.00	-24.47	100	172	peak
2	7528.000	32.55	12.42	44.97	74.00	-29.03	100	132	peak
3	12560.000	30.68	18.36	49.04	74.00	-24.96	100	320	peak

Mode:	802.11n20 Transmitting	Channel:	Mid
Remark:			

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2377.000	46.75	2.68	49.43	74.00	-24.57	142	0	peak
2	8769.000	31.54	13.87	45.41	74.00	-28.59	200	333	peak
3	14073.000	29.97	21.61	51.58	74.00	-22.42	156	0	peak

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2377.000	48.82	2.68	51.50	74.00	-22.50	100	275	peak
2	8854.000	31.87	13.93	45.80	74.00	-28.20	200	108	peak
3	14260.000	31.85	21.92	53.77	74.00	-20.23	200	48	peak

Mode:	802.11n20 Transmitting	Channel:	High
Remark:			

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2377.000	47.27	2.68	49.95	74.00	-24.05	200	0	peak
2	8769.000	32.51	13.87	46.38	74.00	-27.62	180	0	peak
3	14889.000	30.25	22.95	53.20	74.00	-20.80	100	36	peak

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	7545.000	32.45	12.43	44.88	74.00	-29.12	100	36	peak
2	10911.000	31.09	16.39	47.48	74.00	-26.52	100	326	peak
3	14889.000	31.08	22.95	54.03	74.00	-19.97	200	119	peak

Note:

1)As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak values are measured:

2) The field strength is calculated by adding the correct Factor. The basic equation with a sample calculation is as follows:

Final Test Level = Reading +Correct Factor

Correct Factor = Preamplifier Factor– Antenna Factor–Cable Factor

3) Scan from 9kHz to 25GHz, the disturbance above 18GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

