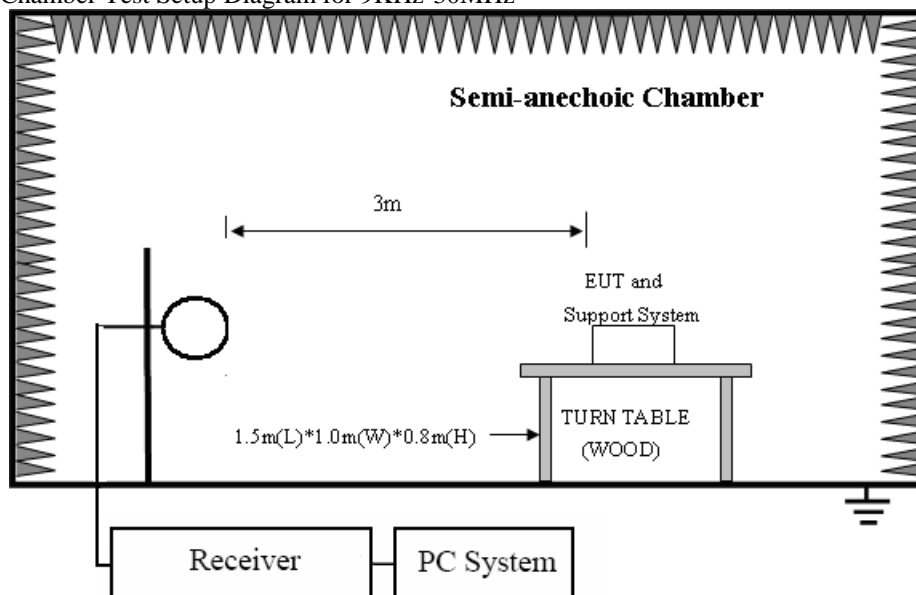


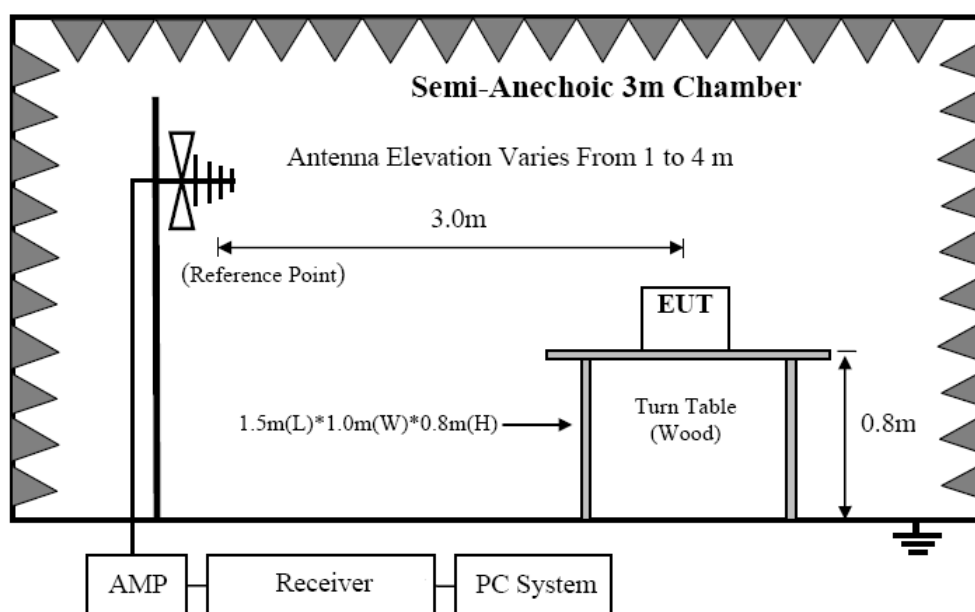
8. RADIATED EMISSION MEASUREMENT

8.1. Block diagram of test setup

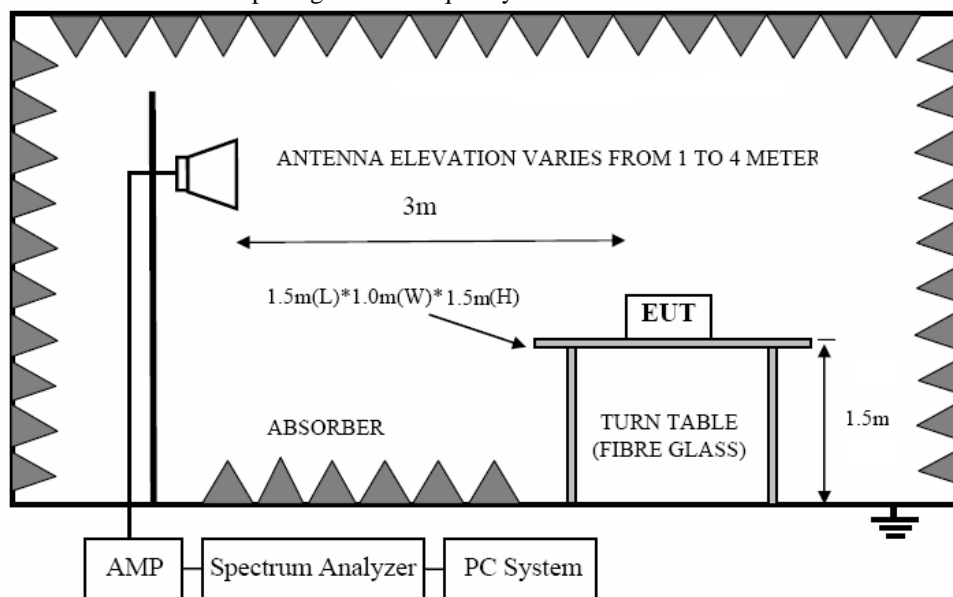
In 3m Anechoic Chamber Test Setup Diagram for 9KHz-30MHz



In 3m Anechoic Chamber Test Setup Diagram for 30MHz-1GHz



In 3m Anechoic Chamber Test Setup Diagram for frequency above 1GHz



Note: For harmonic emissions test a appropriate high pass filter was inserted in the input port of AMP.

8.2. Limit

9.3.1 FCC 15.205 Restricted frequency band

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)

9.3.2. FCC 15.209 Limit.

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		μV/m	dB(μV)/m
0.009 ~ 0.490	300	2400/F(KHz)	67.6-20log(F)
0.490 ~ 1.705	30	24000/F(KHz)	87.6-20log(F)
1.705 ~ 30.0	30	30	29.54
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)	

Note: (1) The emission limits shown in the above table are based on measurements employing a CISPR

QP detector except for the frequency bands 9-90KHz, 110-490KHz and above 1000MHz.

Radiated emissions limits in these three bands are based on measurements employing an average detector.

(2) At frequencies below 30MHz, measurement may be performed at a distance closer than that specified, and the limit at closer measurement distance can be extrapolated by below formula:

$$\text{Limit}_{3m}(\text{dBuV/m}) = \text{Limit}_{30m}(\text{dBuV/m}) + 40\text{Log}(30m/3m)$$

9.3.3. Limit for this EUT

All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 30dB below the fundamental emissions, or comply with 15.209 limits.

8.3. Test Procedure

- (1) EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber.
- (2) Setup EUT and assistant system according clause 2.4 and 7.2
- (3) Test antenna was located 3m(except 18GHz-40GHz was 1m) from the EUT on an adjustable mast, and the antenna used as below table.

Test frequency range	Test antenna used
9KHz-30MHz	Active Loop antenna
30MHz-1GHz	Bilog Broadband Antenna
1GHz-18GHz	Double Ridged Horn Antenna(1GHz-18GHz)
18GHz-40GHz	Horn Antenna(18GHz-40GHz)

According ANSI C63.10:2020 clause 6.4.4.2 and 6.5.3, for measurements below 30 MHz, the loop antenna was positioned with its plane vertical from the EUT and rotated about its vertical axis for maximum response at each azimuth position around the EUT. And the loop antenna also be positioned with its plane horizontal at the specified distance from the EUT. The center of the loop is 1 m above the ground. for measurement above 30MHz, the Trilog Broadband Antenna or Horn Antenna was located 3m from EUT, Measurements were made with the antenna positioned in both the horizontal and vertical planes of Polarization, and the measurement antenna was varied from 1 m to 4 m. in height above the reference ground plane to obtain the maximum signal strength.

- (4) Below pre-scan procedure was first performed in order to find prominent frequency spectrum radiated emissions from 9KHz to 25GHz:
 - (a) Scanning the peak frequency spectrum with the antenna specified in step (3), and the EUT was rotated 360 degree, the antenna height was varied from 1m to 4m(Except loop antenna, it's fixed 1m above ground.)
 - (b) Change work frequency or channel of device if practicable.
 - (c) Change modulation type of device if practicable.
 - (d) new battery is used during testing
 - (e) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions.

Spectrum frequency from 9KHz to 25GHz (tenth harmonic of fundamental frequency) was investigated, and no any obvious emission were detected from 18GHz to 25GHz, so below final test was performed with frequency range from 9KHz to 18GHz.

- (5) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.10 2020 on Radiated Emission test.
- (6) The emissions from 9KHz to 1GHz were measured based on CISPR QP detector except for the frequency bands 9-90KHz, 110-490KHz, for emissions from 9KHz-90KHz, 110KHz-490KHz and above 1GHz were measured based on average detector, for emissions above 1GHz, peak emissions also be measured and need comply with Peak limit.
- (7) The emissions from 9KHz to 1GHz, QP or average values were measured with EMI receiver with below RBW

Frequency band	RBW
9KHz-150KHz	200Hz
150KHz-30MHz	9KHz
30MHz-1GHz	120KHz

- (8) For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1MHz, VBW is set at 3MHz for Peak measure; RBW is set at 1MHz, VBW is set at 10Hz for Average measure(according ANSI C63.10:2020 clause 4.2.3.2.3 procedure for average measure). Peak detector is used for Peak and AV measurement both.

According to KDB 789033 v02r01 section G) 1) (d), for For measurements above 1000 MHz @ 3m distance, the limit of field strength is computed as follows:

$$E[\text{dBuV/m}] = \text{EIRP}[\text{dBm}] + 95.2;$$

For example, if EIRP = -27dBm

$$E[\text{dBuV/m}] = -27 + 95.2 = 68.2\text{dBuV/m}.$$

8.4. Test result(Below 30MHz)

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	25.4 °C	Relative Humidity:	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	--	Test Result:	Pass
Test Mode:	Keeping TX mode	Tested By:	Aman

Freq.	Reading	Limit	Margin	State
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F
--	--	--	--	P
--	--	--	--	P

Note:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

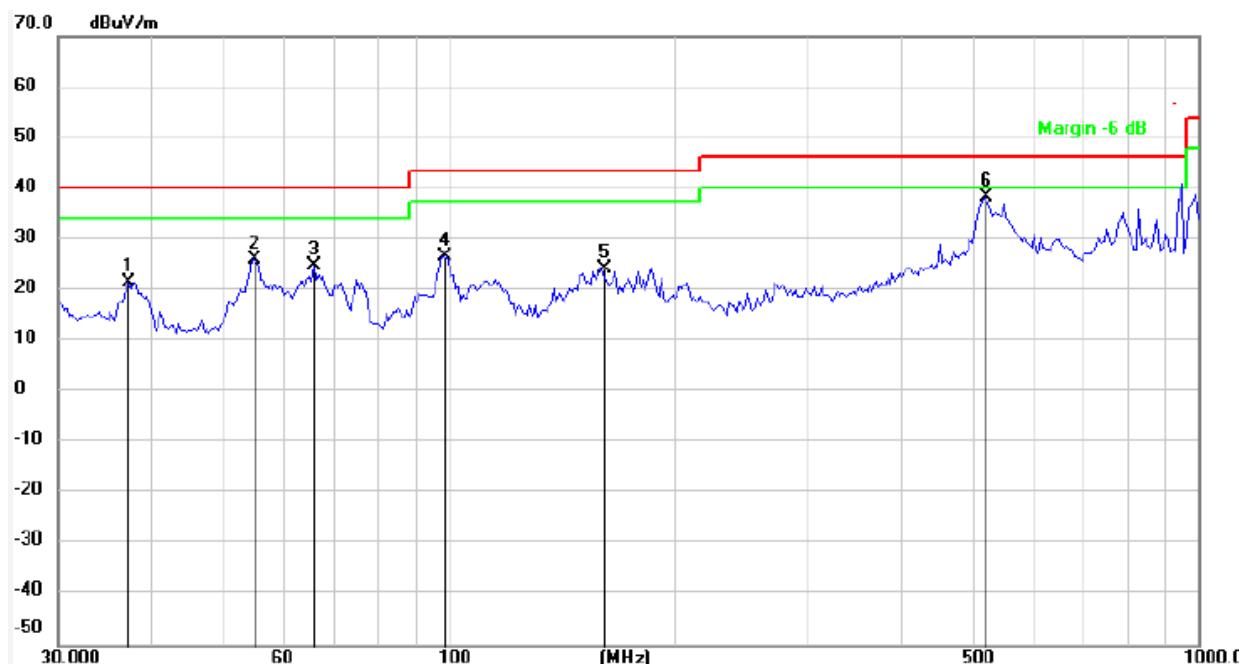
Distance extrapolation factor = $20 \log (\text{specific distance/test distance})$ (dB);

Limit line = specific limits(dBuV) + distance extrapolation factor.

Note: N/A

TEST RESULTS (Between 30M – 1000 MHz)

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	25.4 °C	Relative Humidity:	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Vertical	Test Result:	Pass
Standard:	(RE) FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 5935MHz		

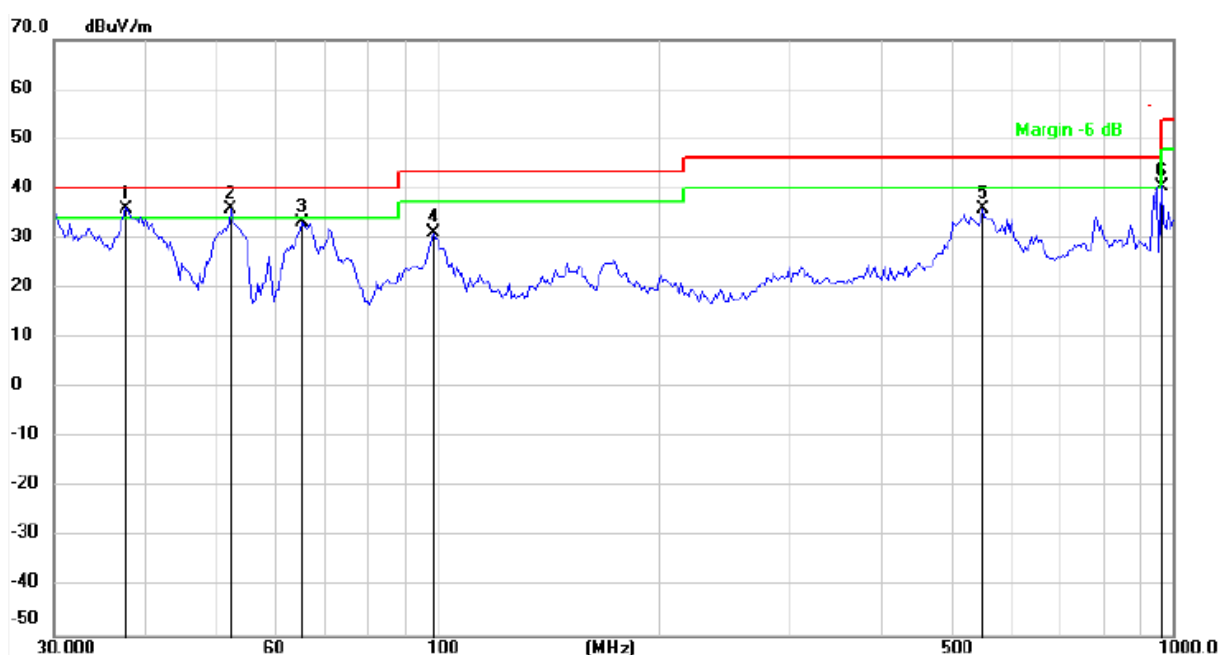


No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	37.3017	-22.95	44.43	21.48	40.00	-18.52	QP
2	54.5167	-12.50	38.50	26.00	40.00	-14.00	QP
3	65.9067	-14.83	39.54	24.71	40.00	-15.29	QP
4	97.6864	-12.72	39.52	26.80	43.50	-16.70	QP
5	159.7586	-15.80	40.18	24.38	43.50	-19.12	QP
6	520.2078	-5.46	43.89	38.43	46.00	-7.57	QP

The test result is calculated as the following:

- (1) Result = Reading + Correct Factor
- (2) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator
- (3) Margin = Result - Limit

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	25.4 °C	Relative Humidity:	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Horizontal	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 5935MHz		



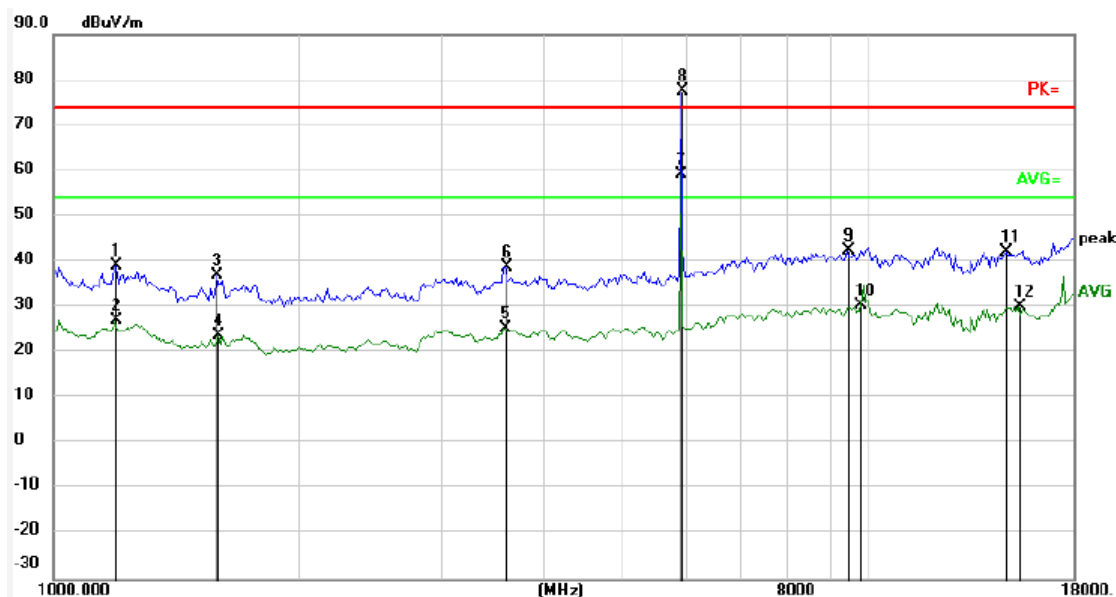
No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	37.5647	-18.04	54.14	36.10	40.00	-3.90	QP
2	52.2658	-11.67	47.74	36.07	40.00	-3.93	QP
3	65.4452	-12.63	45.83	33.20	40.00	-6.80	QP
4	98.3752	-10.62	41.70	31.08	43.50	-12.42	QP
5	550.2902	-2.79	38.87	36.08	46.00	-9.92	QP
6	965.4742	2.98	37.62	40.60	54.00	-13.40	QP

The test result is calculated as the following:

- (4) Result = Reading + Correct Factor
- (5) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator
- (6) Margin = Result – Limit

TEST RESULTS (Between 1000MHz – 18000 MHz)

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	25.4 °C	Relative Humidity:	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Vertical	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 5935MHz		



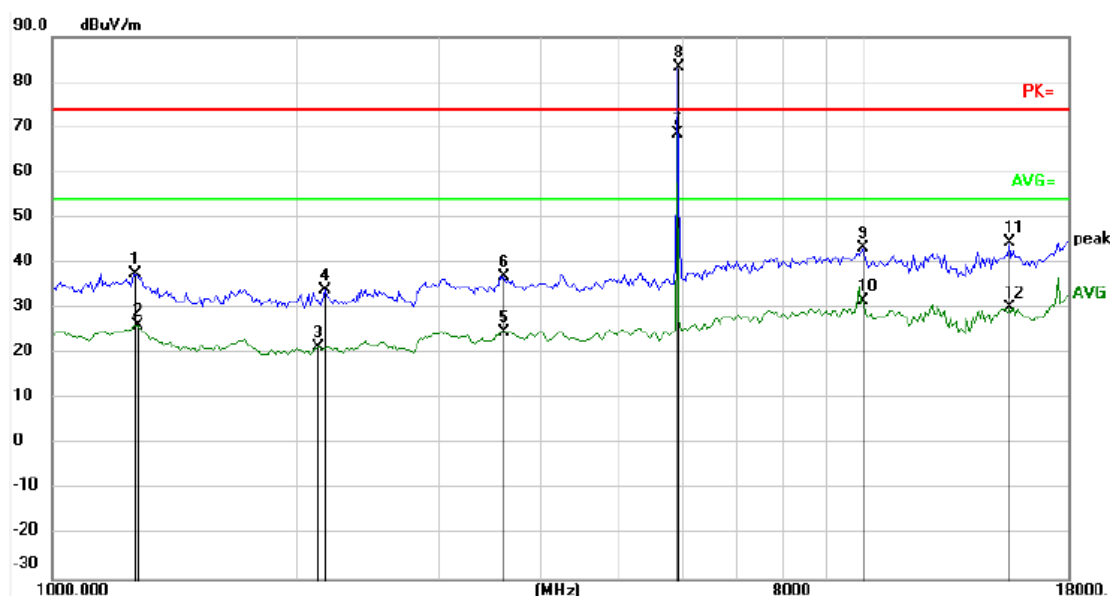
No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1189.782	-37.87	77.12	39.25	74.00	-34.75	peak
2	1189.782	-37.87	64.91	27.04	54.00	-26.96	AVG
3	1589.447	-41.05	78.14	37.09	74.00	-36.91	peak
4	1598.680	-41.00	64.74	23.74	54.00	-30.26	AVG
5	3576.241	-39.22	64.60	25.38	54.00	-28.62	AVG
6	3597.016	-39.05	77.81	38.76	74.00	-35.24	peak
7	5919.457	-41.32	100.50	59.18	54.00	5.18	AVG
8	5935.000	-41.26	118.71	77.45	74.00	3.45	peak
9	9463.321	-41.57	83.95	42.38	74.00	-31.62	peak
10	9854.908	-41.31	71.78	30.47	54.00	-23.53	AVG
11	14868.203	-40.93	83.17	42.24	74.00	-31.76	peak
12	15394.017	-40.19	70.37	30.18	54.00	-23.82	AVG

Note: Markers 7 & 8 are the intentional frequencies from EUT, Hence considered as pass.

The test result is calculated as the following:

- (1) Result = Reading + Correct Factor
- (2) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator
- (3) Margin = Result - Limit

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	25.4 °C	Relative Humidity:	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Horizontal	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 5935MHz		



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1260.733	-11.74	49.42	37.68	74.00	-36.32	peak
2	1268.057	-11.73	37.90	26.17	54.00	-27.83	AVG
3	2135.701	-14.33	35.84	21.51	54.00	-32.49	AVG
4	2173.137	-14.26	48.35	34.09	74.00	-39.91	peak
5	3597.016	-8.95	33.80	24.85	54.00	-29.15	AVG
6	3617.911	-8.98	46.00	37.02	74.00	-36.98	peak
7	5919.457	-7.51	76.18	68.67	54.00	14.67	AVG
8	5935.000	-7.43	90.78	83.35	74.00	9.35	peak
9	10027.653	-1.92	45.39	43.47	74.00	-30.53	peak
10	10027.653	-1.92	33.48	31.56	54.00	-22.44	AVG
11	15216.711	-1.43	46.07	44.64	74.00	-29.36	peak
12	15216.711	-1.43	31.57	30.14	54.00	-23.86	AVG

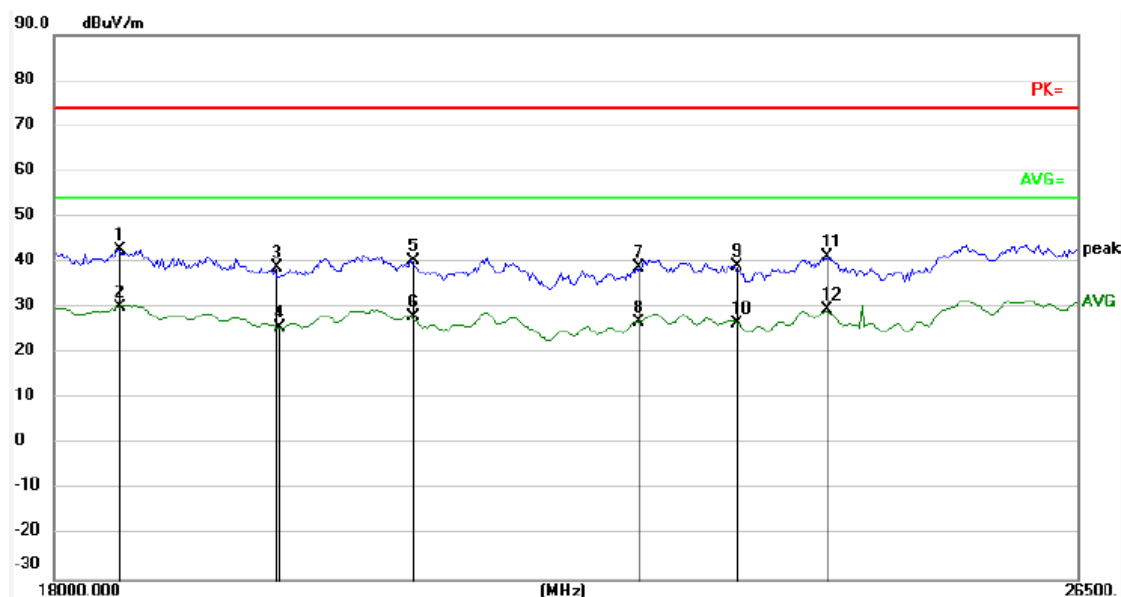
Note: Markers 7 & 8 are the intentional frequencies from EUT, Hence considered as pass.

The test result is calculated as the following:

- (1) Result = Reading + Correct Factor
- (2) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator
- (3) Margin = Result - Limit

TEST RESULTS (Between 18000MHz – 26500 MHz)

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	25.4 °C	Relative Humidity:	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Vertical	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 5935MHz		

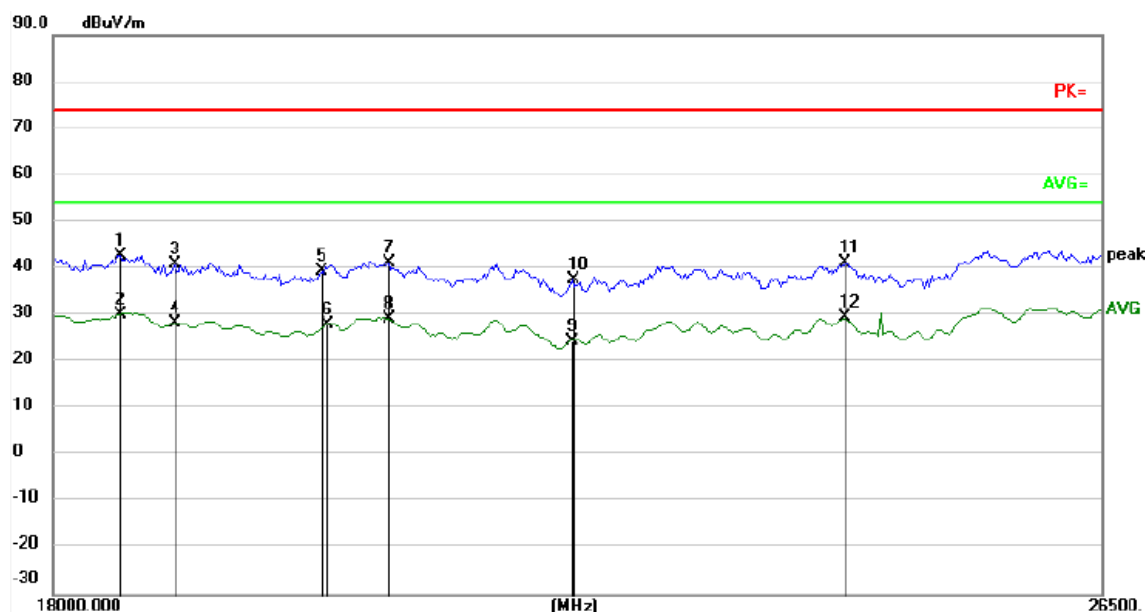


No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	18437.742	-0.55	43.35	42.80	74.00	-31.20	peak
2	18452.038	-0.54	30.84	30.30	54.00	-23.70	AVG
3	19571.651	0.10	38.79	38.89	74.00	-35.11	peak
4	19586.827	0.10	25.57	25.67	54.00	-28.33	AVG
5	20598.917	0.44	39.87	40.31	74.00	-33.69	peak
6	20598.917	0.44	27.50	27.94	54.00	-26.06	AVG
7	22432.237	1.18	37.73	38.91	74.00	-35.09	peak
8	22449.630	1.20	25.80	27.00	54.00	-27.00	AVG
9	23282.539	1.60	37.54	39.14	74.00	-34.86	peak
10	23300.592	1.60	25.06	26.66	54.00	-27.34	AVG
11	24108.946	1.77	39.49	41.26	74.00	-32.74	peak
12	24108.946	1.77	27.69	29.46	54.00	-24.54	AVG

The test result is calculated as the following:

- (1) Result = Reading + Correct Factor
- (2) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator
- (3) Margin = Result - Limit

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	25.4 °C	Relative Humidity:	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Horizontal	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 5935MHz		



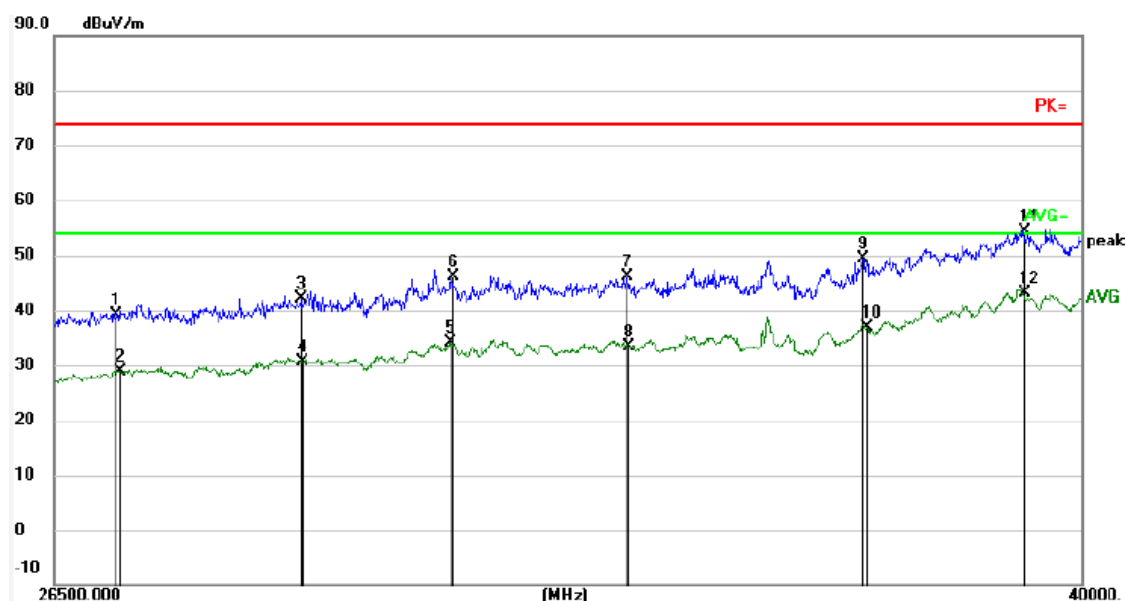
No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	18437.742	-0.55	43.35	42.80	74.00	-31.20	peak
2	18452.038	-0.54	30.84	30.30	54.00	-23.70	AVG
3	18827.665	-0.22	41.24	41.02	74.00	-32.98	peak
4	18827.665	-0.22	28.58	28.36	54.00	-25.64	AVG
5	19877.413	0.21	39.34	39.55	74.00	-34.45	peak
6	19908.251	0.21	27.88	28.09	54.00	-25.91	AVG
7	20376.599	0.37	41.00	41.37	74.00	-32.63	peak
8	20376.599	0.37	28.75	29.12	54.00	-24.88	AVG
9	21781.161	0.83	23.68	24.51	54.00	-29.49	AVG
10	21798.050	0.84	36.77	37.61	74.00	-36.39	peak
11	24108.946	1.77	39.49	41.26	74.00	-32.74	peak
12	24108.946	1.77	27.69	29.46	54.00	-24.54	AVG

The test result is calculated as the following:

- (1) Result = Reading + Correct Factor
- (2) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator
- (3) Margin = Result - Limit

TEST RESULTS (Between 26500MHz – 40000 MHz)

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	25.4 °C	Relative Humidity:	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Vertical	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 5935MHz		

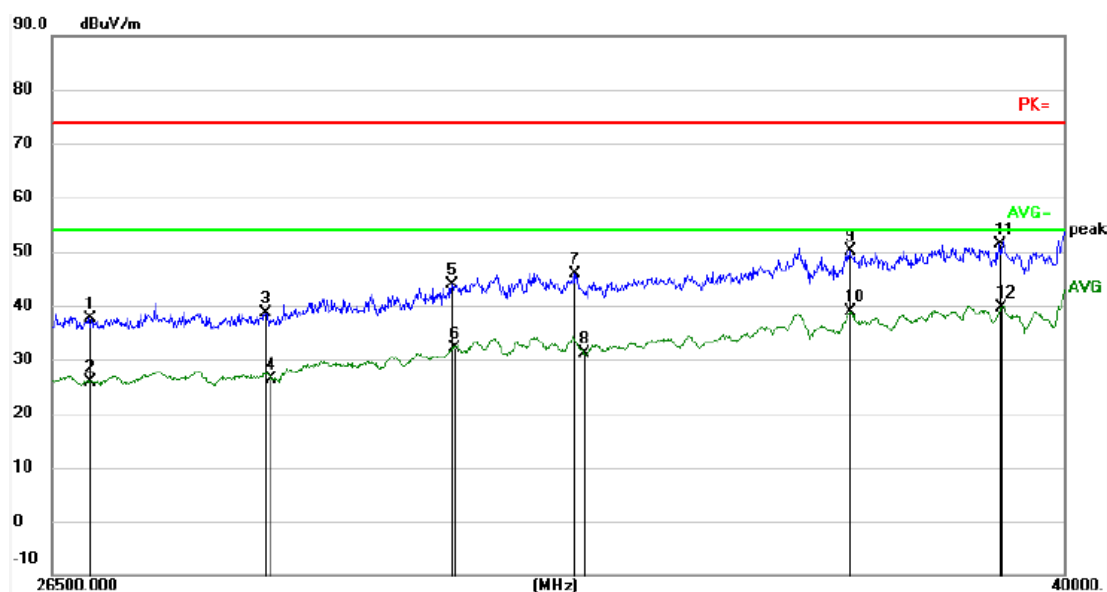


No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	27162.811	0.50	38.60	39.10	74.00	-34.90	peak
2	27196.384	0.50	28.43	28.93	54.00	-25.07	AVG
3	29252.384	1.07	41.07	42.14	74.00	-31.86	peak
4	29276.482	1.07	29.54	30.61	54.00	-23.39	AVG
5	31051.981	1.47	32.61	34.08	54.00	-19.92	AVG
6	31077.562	1.48	44.67	46.15	74.00	-27.85	peak
7	33344.495	1.87	44.32	46.19	74.00	-27.81	peak
8	33358.227	1.87	31.55	33.42	54.00	-20.58	AVG
9	36641.444	2.41	46.88	49.29	74.00	-24.71	peak
10	36701.840	2.42	34.37	36.79	54.00	-17.21	AVG
11	39072.175	2.81	51.61	54.42	74.00	-19.58	peak
12	39072.175	2.81	40.24	43.05	54.00	-10.95	AVG

The test result is calculated as the following:

- (1) Result = Reading + Correct Factor
- (2) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator
- (3) Margin = Result - Limit

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	25.4 °C	Relative Humidity:	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Horizontal	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 5935MHz		



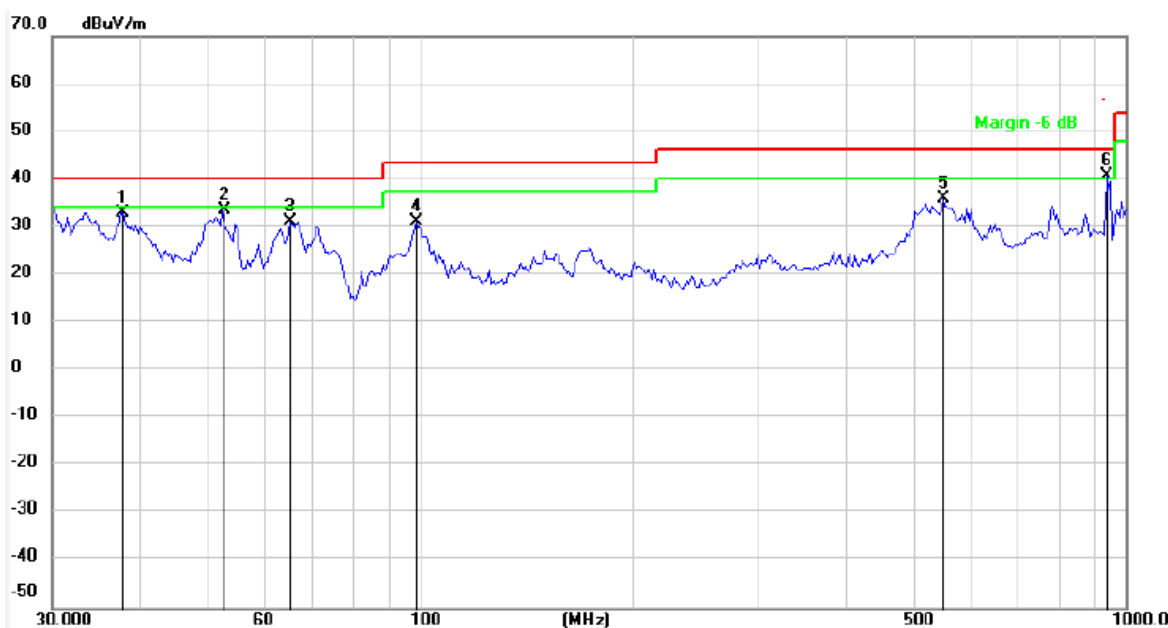
No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	26906.797	0.44	37.29	37.73	74.00	-36.27	peak
2	26917.877	0.44	25.50	25.94	54.00	-28.06	AVG
3	28905.178	0.97	37.67	38.64	74.00	-35.36	peak
4	28976.674	0.99	25.44	26.43	54.00	-27.57	AVG
5	31180.096	1.49	42.34	43.83	74.00	-30.17	peak
6	31205.783	1.50	30.69	32.19	54.00	-21.81	AVG
7	32772.831	1.78	44.05	45.83	74.00	-28.17	peak
8	32894.500	1.80	29.38	31.18	54.00	-22.82	AVG
9	36656.534	2.41	47.78	50.19	74.00	-23.81	peak
10	36656.534	2.41	36.56	38.97	54.00	-15.03	AVG
11	38943.688	2.79	48.54	51.33	74.00	-22.67	peak
12	38975.770	2.79	36.78	39.57	54.00	-14.43	AVG

The test result is calculated as the following:

- (1) Result = Reading + Correct Factor
- (2) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator
- (3) Margin = Result - Limit

TEST RESULTS (Between 30M – 1000 MHz)

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	25.4 °C	Relative Humidity:	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Vertical	Test Result:	Pass
Standard:	(RE) FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 6435MHz		

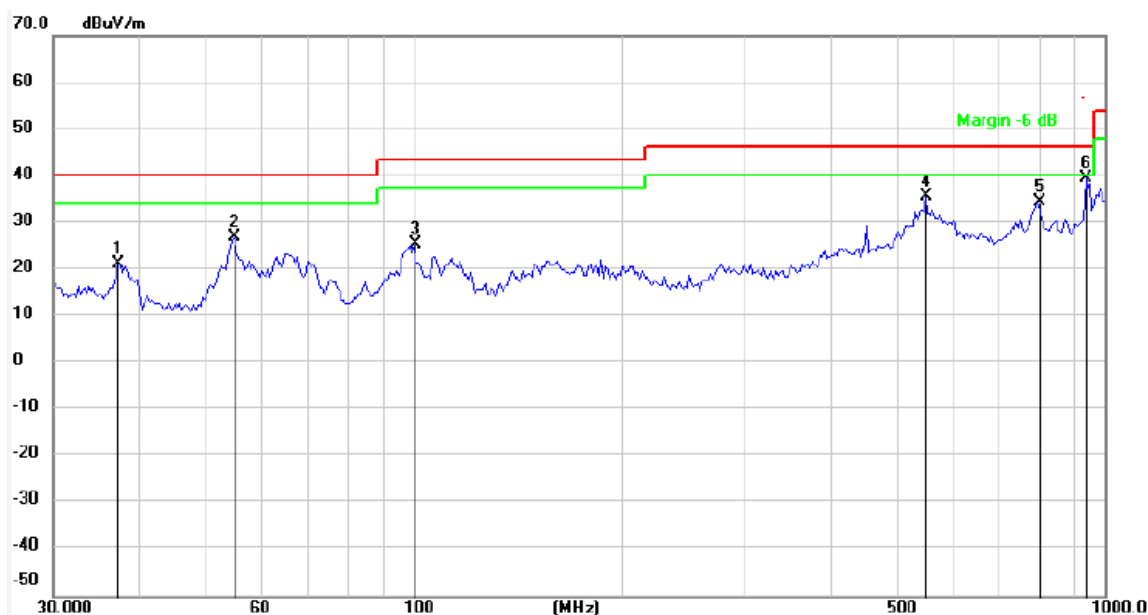


No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	37.5648	-18.04	51.14	33.10	40.00	-6.90	QP
2	52.2659	-11.67	45.24	33.57	40.00	-6.43	QP
3	65.4452	-12.63	43.83	31.20	40.00	-8.80	QP
4	98.3752	-10.62	41.70	31.08	43.50	-12.42	QP
5	550.2902	-2.79	38.87	36.08	46.00	-9.92	QP
6	938.7139	2.71	37.98	40.69	46.00	-5.31	QP

The test result is calculated as the following:

- (1) Result = Reading + Correct Factor
- (2) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator
- (3) Margin = Result - Limit

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	25.4 °C	Relative Humidity:	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Horizontal	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 6435MHz		



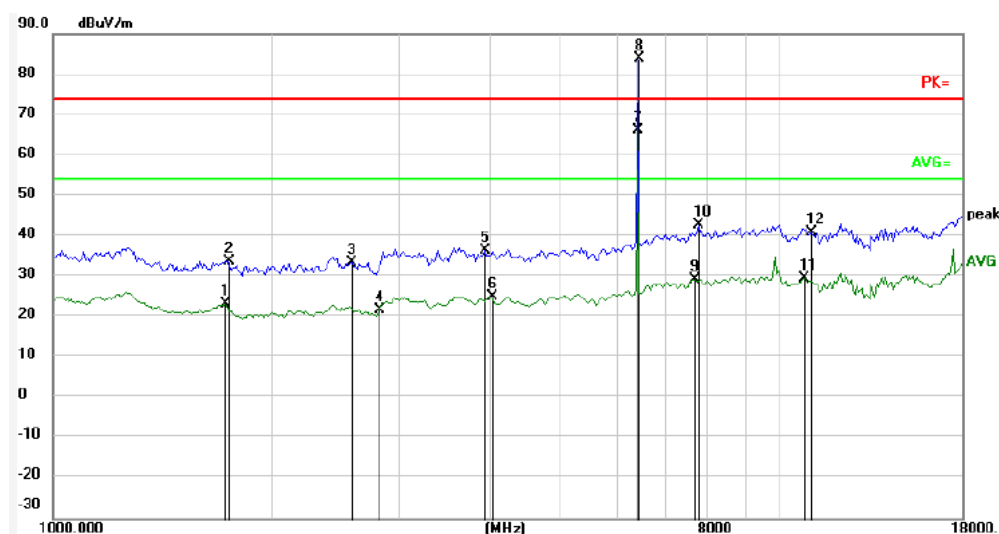
No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	37.3017	-22.95	44.23	21.28	40.00	-18.72	QP
2	54.9011	-12.30	39.33	27.03	40.00	-12.97	QP
3	99.7676	-12.41	37.73	25.32	43.50	-18.18	QP
4	550.2902	-4.79	40.31	35.52	46.00	-10.48	QP
5	798.6205	-1.04	35.55	34.51	46.00	-11.49	QP
6	938.7139	0.71	38.84	39.55	46.00	-6.45	QP

The test result is calculated as the following:

- (1) Result = Reading + Correct Factor
- (2) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator
- (3) Margin = Result - Limit

TEST RESULTS (Between 1000MHz – 18000 MHz)

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	25.4 °C	Relative Humidity:	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Vertical	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 6435MHz		



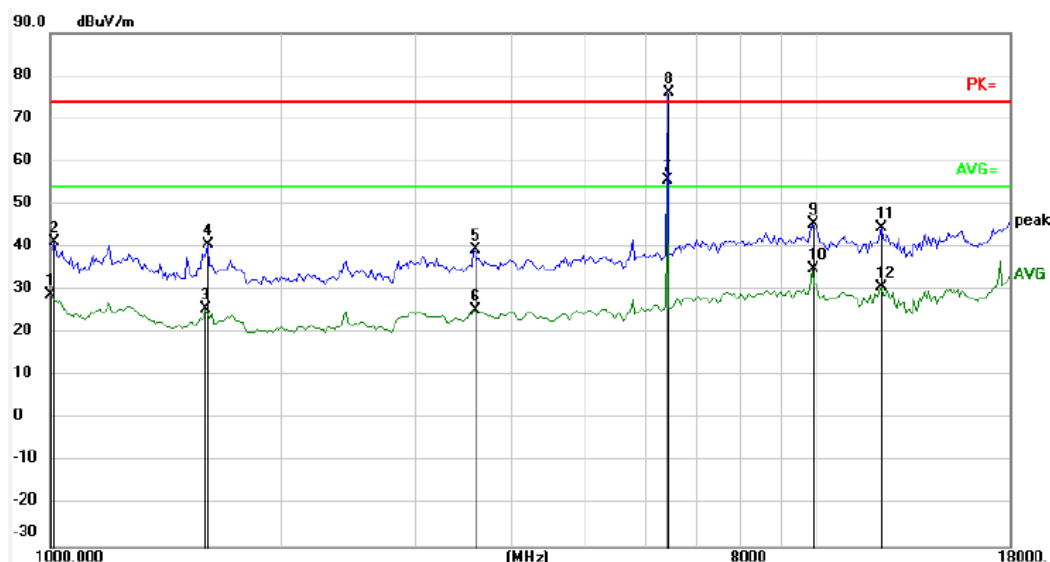
No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1733.723	-14.08	37.35	23.27	54.00	-30.73	AVG
2	1743.795	-14.21	48.05	33.84	74.00	-40.16	peak
3	2585.559	-12.64	46.05	33.41	74.00	-40.59	peak
4	2820.253	-13.14	34.98	21.84	54.00	-32.16	AVG
5	3946.313	-8.16	44.59	36.43	74.00	-37.57	peak
6	4015.488	-7.96	32.92	24.96	54.00	-29.04	AVG
7	6419.481	-6.49	72.59	66.10	54.00	12.10	AVG
8	6435.000	-6.43	90.28	83.85	74.00	9.85	peak
9	7682.150	-4.39	33.75	29.36	54.00	-24.64	AVG
10	7771.663	-4.20	46.94	42.74	74.00	-31.26	peak
11	10874.702	-2.05	31.70	29.65	54.00	-24.35	AVG
12	11129.603	-1.97	43.01	41.04	74.00	-32.96	peak

Note: Markers 7 & 8 are the intentional frequencies from EUT, Hence considered as pass.

The test result is calculated as the following:

- (1) Result = Reading + Correct Factor
- (2) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator
- (3) Margin = Result - Limit

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	25.4 °C	Relative Humidity:	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Horizontal	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 6435MHz		



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1000.0000	-39.94	68.76	28.82	54.00	-25.18	AVG
2	1011.652	-39.87	81.16	41.29	74.00	-32.71	peak
3	1598.680	-41.00	66.64	25.64	54.00	-28.36	AVG
4	1607.967	-40.89	81.63	40.74	74.00	-33.26	peak
5	3576.241	-39.22	78.73	39.51	74.00	-34.49	peak
6	3576.241	-39.22	64.68	25.46	54.00	-28.54	AVG
7	6419.481	-41.27	96.91	55.64	54.00	1.64	AVG
8	6435.000	-41.24	117.24	76.00	74.00	2.00	peak
9	9912.157	-40.81	86.34	45.53	74.00	-28.47	peak
10	9912.157	-40.81	75.75	34.94	54.00	-19.06	AVG
11	12210.372	-40.34	85.02	44.68	74.00	-29.32	peak
12	12210.372	-40.34	70.95	30.61	54.00	-23.39	AVG

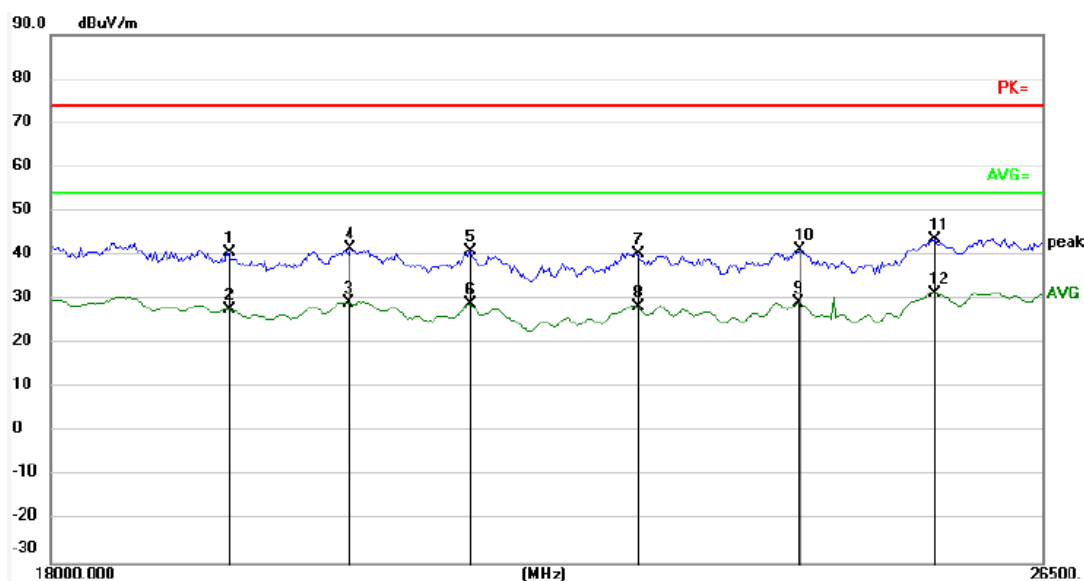
Note: Marker 7 & 8 are the intentional frequencies from EUT, Hence considered as pass.

The test result is calculated as the following:

- (1) Result = Reading + Correct Factor
- (2) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator
- (3) Margin = Result - Limit

TEST RESULTS (Between 18000MHz – 26500 MHz)

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	25.4 °C	Relative Humidity:	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Vertical	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 6435MHz		



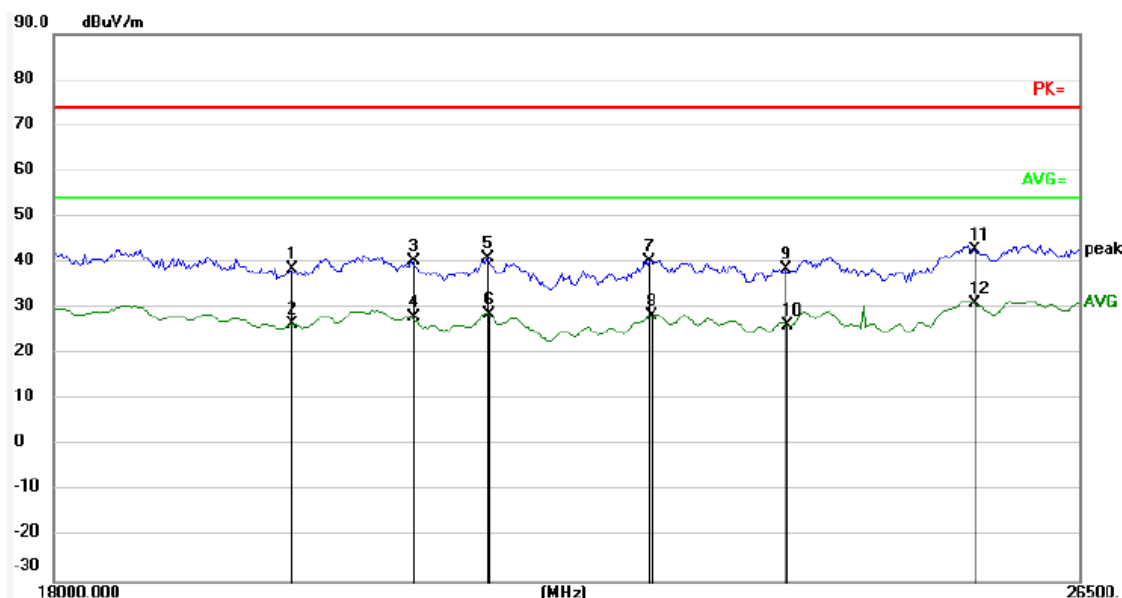
No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	19285.535	0.01	40.76	40.77	74.00	-33.23	peak
2	19285.535	0.01	27.69	27.70	54.00	-26.30	AVG
3	20219.271	0.31	28.92	29.23	54.00	-24.77	AVG
4	20234.949	0.32	41.24	41.56	74.00	-32.44	peak
5	21198.216	0.62	40.29	40.91	74.00	-33.09	peak
6	21198.216	0.62	28.25	28.87	54.00	-25.13	AVG
7	22624.313	1.30	38.90	40.20	74.00	-33.80	peak
8	22624.313	1.30	26.91	28.21	54.00	-25.79	AVG
9	24090.267	1.76	27.50	29.26	54.00	-24.74	AVG
10	24108.946	1.77	39.49	41.26	74.00	-32.74	peak
11	25413.729	2.17	41.55	43.72	74.00	-30.28	peak
12	25413.729	2.17	29.24	31.41	54.00	-22.59	AVG

The test result is calculated as the following:

- (1) Result = Reading + Correct Factor
- (2) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator
- (3) Margin = Result - Limit

Report No.: AAEMT/RF/250131-01-03

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	25.4 °C	Relative Humidity:	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Horizontal	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 6435MHz		



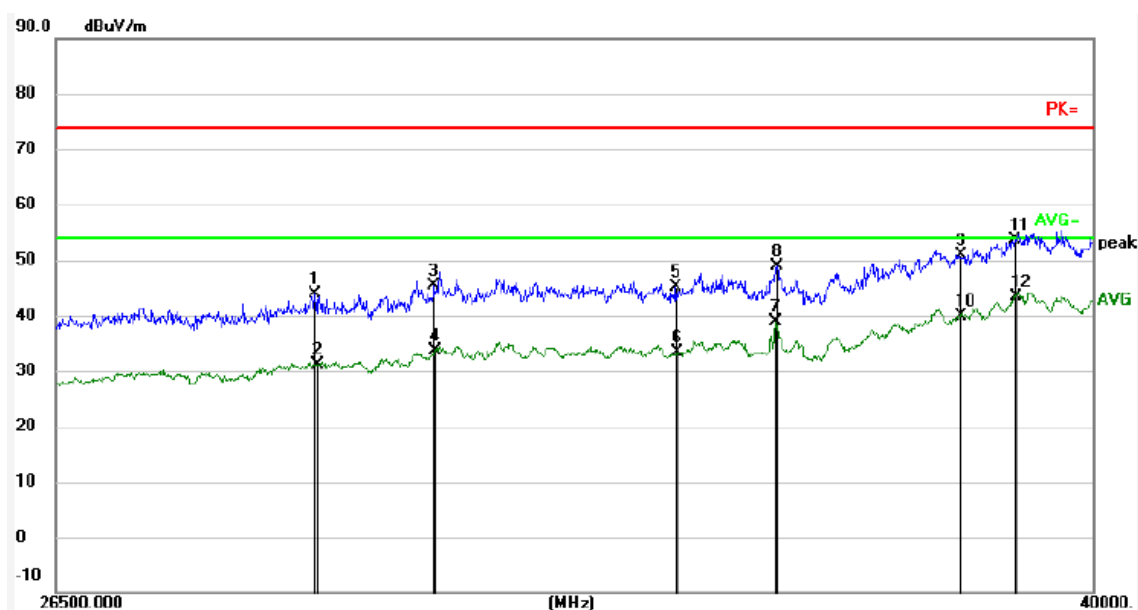
No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	19678.129	0.14	38.41	38.55	74.00	-35.45	peak
2	19693.387	0.14	26.48	26.62	54.00	-27.38	AVG
3	20598.917	0.44	39.87	40.31	74.00	-33.69	peak
4	20598.917	0.44	27.50	27.94	54.00	-26.06	AVG
5	21198.216	0.62	40.29	40.91	74.00	-33.09	peak
6	21214.653	0.63	28.07	28.70	54.00	-25.30	AVG
7	22536.802	1.26	39.09	40.35	74.00	-33.65	peak
8	22554.277	1.26	27.11	28.37	54.00	-25.63	AVG
9	23719.701	1.68	36.97	38.65	74.00	-35.35	peak
10	23738.093	1.68	24.54	26.22	54.00	-27.78	AVG
11	25472.892	2.18	40.54	42.72	74.00	-31.28	peak
12	25472.892	2.18	28.75	30.93	54.00	-23.07	AVG

The test result is calculated as the following:

- (1) Result = Reading + Correct Factor
- (2) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator
- (3) Margin = Result - Limit

TEST RESULTS (Between 26500MHz – 40000 MHz)

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	25.4 °C	Relative Humidity:	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Vertical	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 6435MHz		

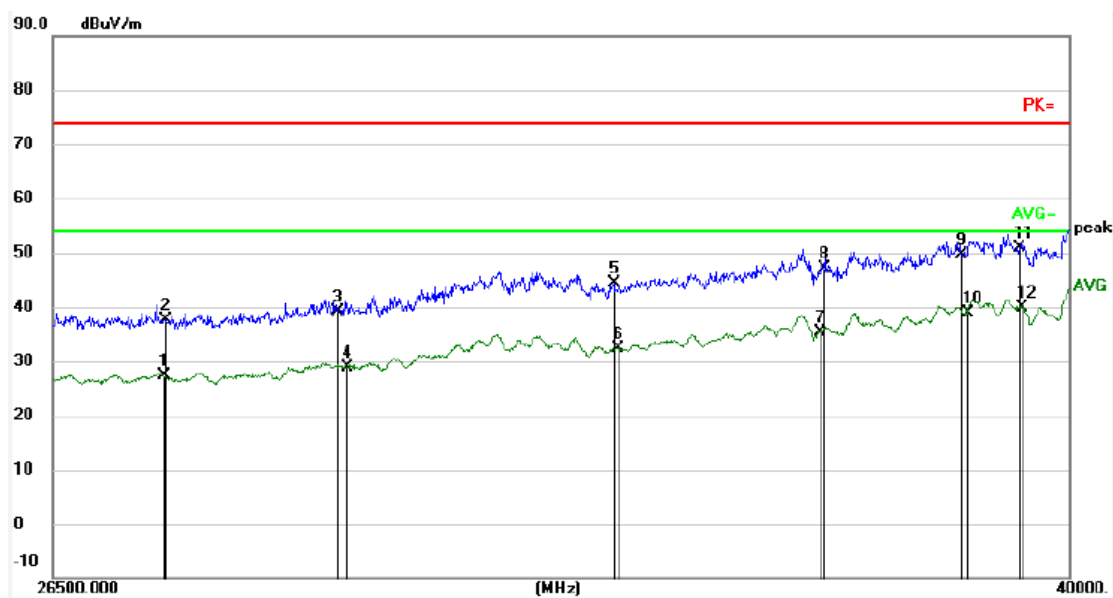


No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	29373.074	1.11	42.79	43.90	74.00	-30.10	peak
2	29385.171	1.11	30.03	31.14	54.00	-22.86	AVG
3	30797.327	1.43	44.03	45.46	74.00	-28.54	peak
4	30810.010	1.43	32.18	33.61	54.00	-20.39	AVG
5	33884.252	1.95	43.27	45.22	74.00	-28.78	peak
6	33912.166	1.95	31.43	33.38	54.00	-20.62	AVG
7	35264.917	2.15	36.78	38.93	54.00	-15.07	AVG
8	35279.440	2.16	46.81	48.97	74.00	-25.03	peak
9	37930.885	2.62	48.17	50.79	74.00	-23.21	peak
10	37962.132	2.63	37.28	39.91	54.00	-14.09	AVG
11	38767.707	2.76	50.94	53.70	74.00	-20.30	peak
12	38783.673	2.76	40.67	43.43	54.00	-10.57	AVG

The test result is calculated as the following:

- (1) Result = Reading + Correct Factor
- (2) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator
- (3) Margin = Result - Limit

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	25.4 °C	Relative Humidity:	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Horizontal	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 6435MHz		



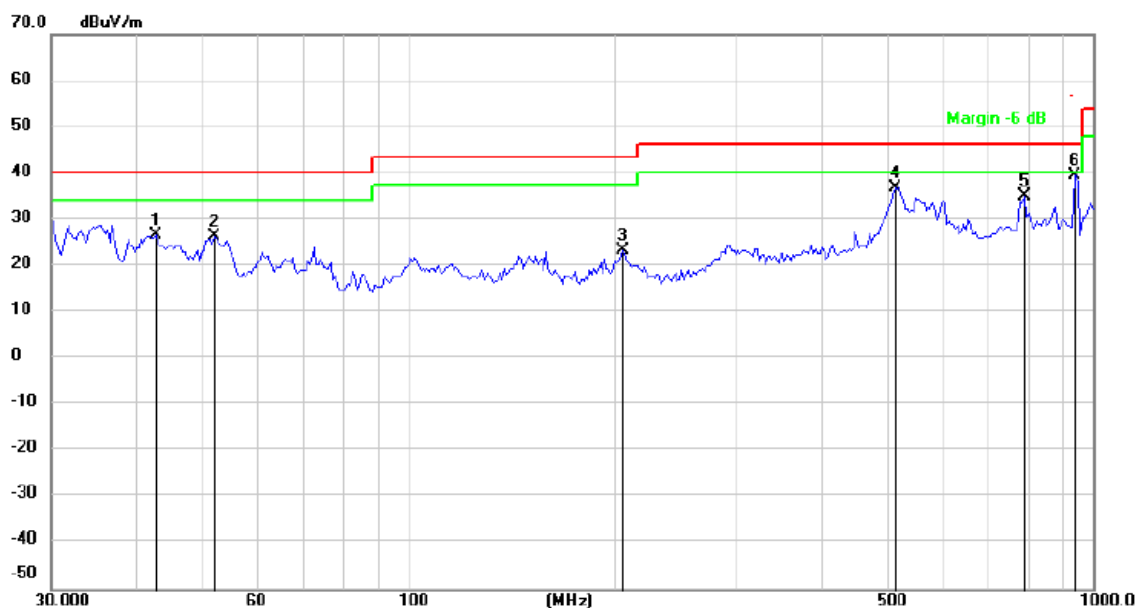
No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	27716.387	0.65	26.78	27.43	54.00	-26.57	AVG
2	27727.801	0.65	37.05	37.70	74.00	-36.30	peak
3	29738.142	1.21	37.82	39.03	74.00	-34.97	peak
4	29860.836	1.24	27.65	28.89	54.00	-25.11	AVG
5	33262.223	1.86	42.58	44.44	74.00	-29.56	peak
6	33317.049	1.87	30.51	32.38	54.00	-21.62	AVG
7	36161.841	2.32	33.18	35.50	54.00	-18.50	AVG
8	36206.536	2.33	44.86	47.19	74.00	-26.81	peak
9	38291.792	2.68	46.97	49.65	74.00	-24.35	peak
10	38386.505	2.70	36.21	38.91	54.00	-15.09	AVG
11	39201.086	2.83	48.14	50.97	74.00	-23.03	peak
12	39249.537	2.83	36.97	39.80	54.00	-14.20	AVG

The test result is calculated as the following:

- (1) Result = Reading + Correct Factor
- (2) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator
- (3) Margin = Result - Limit

TEST RESULTS (Between 30M – 1000 MHz)

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	25.4 °C	Relative Humidity:	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Vertical	Test Result:	Pass
Standard:	(RE) FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 6535MHz		

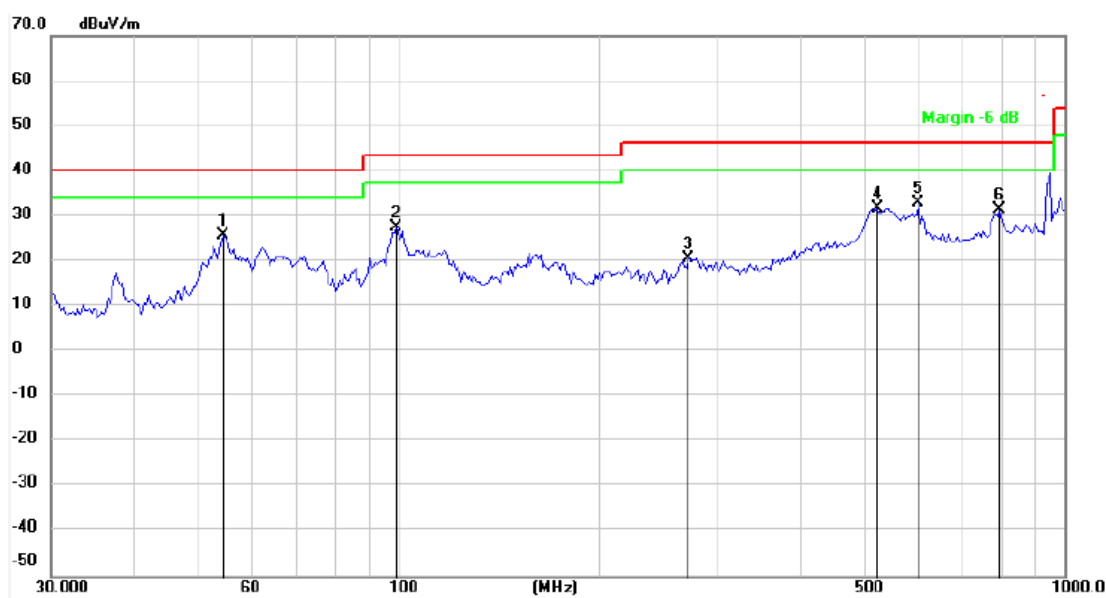


No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	42.6299	-16.43	43.11	26.68	40.00	-13.32	QP
2	51.8998	-11.85	38.13	26.28	40.00	-13.72	QP
3	205.7458	-11.13	34.41	23.28	43.50	-20.22	QP
4	512.9477	-3.61	40.42	36.81	46.00	-9.19	QP
5	793.0281	0.89	34.18	35.07	46.00	-10.93	QP
6	938.7139	2.71	36.82	39.53	46.00	-6.47	QP

The test result is calculated as the following:

- (4) Result = Reading + Correct Factor
- (5) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator
- (6) Margin = Result - Limit

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	25.4 °C	Relative Humidity:	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Horizontal	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 6535MHz		



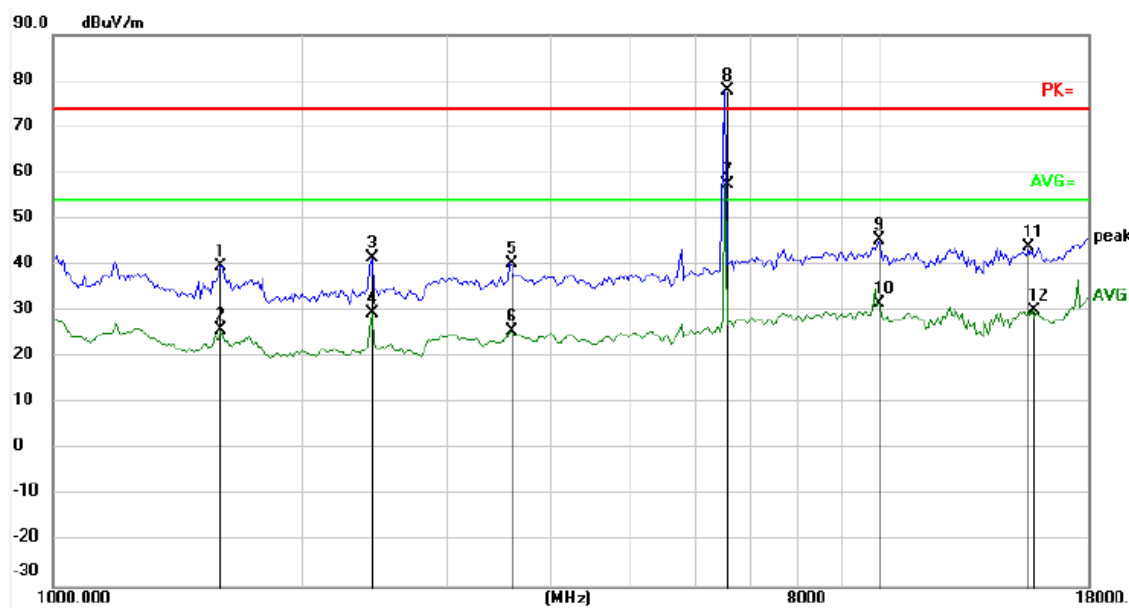
No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	54.5165	-12.50	38.15	25.65	40.00	-14.35	QP
2	99.0687	-12.51	40.12	27.61	43.50	-15.89	QP
3	272.5244	-10.48	31.12	20.64	46.00	-25.36	QP
4	523.8763	-5.37	37.06	31.69	46.00	-14.31	QP
5	602.9287	-3.48	36.34	32.86	46.00	-13.14	QP
6	798.6204	-1.04	32.49	31.45	46.00	-14.55	QP

The test result is calculated as the following:

- (4) Result = Reading + Correct Factor
- (5) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator
- (6) Margin = Result - Limit

TEST RESULTS (Between 1000MHz – 18000 MHz)

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	25.4 °C	Relative Humidity:	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Vertical	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 6535MHz		



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1598.680	-41.00	80.72	39.72	74.00	-34.28	peak
2	1598.680	-41.00	66.94	25.94	54.00	-28.06	AVG
3	2440.050	-40.74	82.34	41.60	74.00	-32.40	peak
4	2440.050	-40.74	70.39	29.65	54.00	-24.35	AVG
5	3576.241	-39.22	79.69	40.47	74.00	-33.53	peak
6	3576.241	-39.22	65.02	25.80	54.00	-28.20	AVG
7	6532.008	-41.00	98.53	57.53	54.00	3.53	AVG
8	6535.008	-41.00	118.72	77.72	74.00	3.72	peak
9	10027.653	-40.14	85.54	45.40	74.00	-28.60	peak
10	10027.653	-40.14	71.79	31.65	54.00	-22.35	AVG
11	15216.711	-40.56	84.41	43.85	74.00	-30.15	peak
12	15394.017	-40.19	70.25	30.06	54.00	-23.94	AVG

Note: Markers 7 & 8 are the intentional frequencies from EUT, Hence considered as pass.

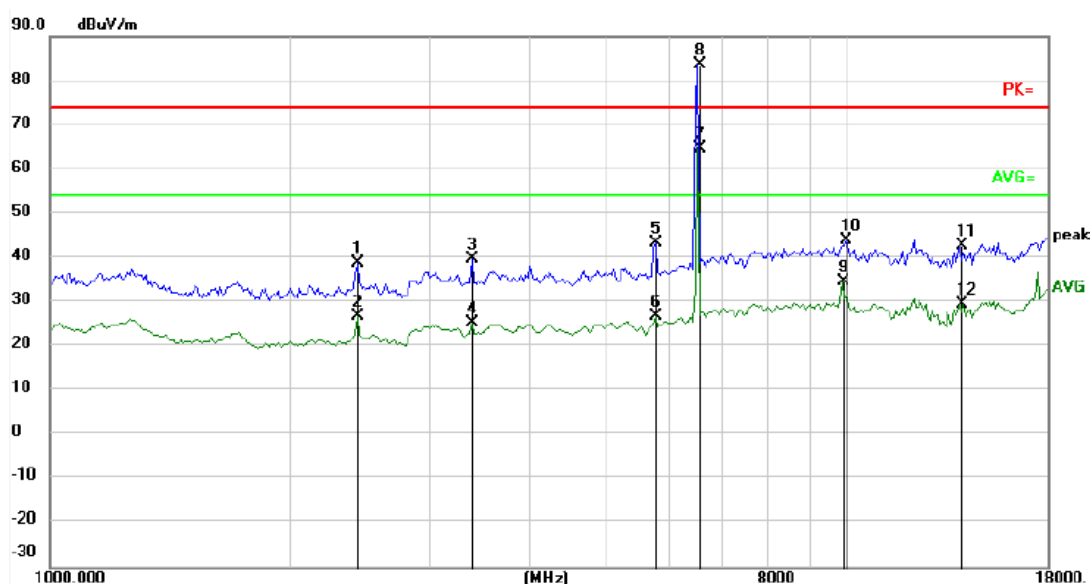
The test result is calculated as the following:

(4) Result = Reading + Correct Factor

(5) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator

(6) Margin = Result - Limit

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	25.4 °C	Relative Humidity:	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Horizontal	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 6535MHz		



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2440.050	-13.16	52.11	38.95	74.00	-35.05	peak
2	2440.050	-13.16	39.98	26.82	54.00	-27.18	AVG
3	3394.584	-10.81	50.57	39.76	74.00	-34.24	peak
4	3394.584	-10.81	36.13	25.32	54.00	-28.68	AVG
5	5783.884	-8.09	51.29	43.20	74.00	-30.80	peak
6	5783.884	-8.09	34.94	26.85	54.00	-27.15	AVG
7	6532.008	-5.98	70.52	64.54	54.00	10.54	AVG
8	6535.008	-5.98	89.57	83.59	74.00	9.59	peak
9	9912.157	-2.63	37.38	34.75	54.00	-19.25	AVG
10	10027.653	-1.92	45.90	43.98	74.00	-30.02	peak
11	13950.416	0.73	41.93	42.66	74.00	-31.34	peak
12	13950.416	0.73	28.74	29.47	54.00	-24.53	AVG

Note: Markers 5 & 6 are the intentional frequencies from EUT, Hence considered as pass.

The test result is calculated as the following:

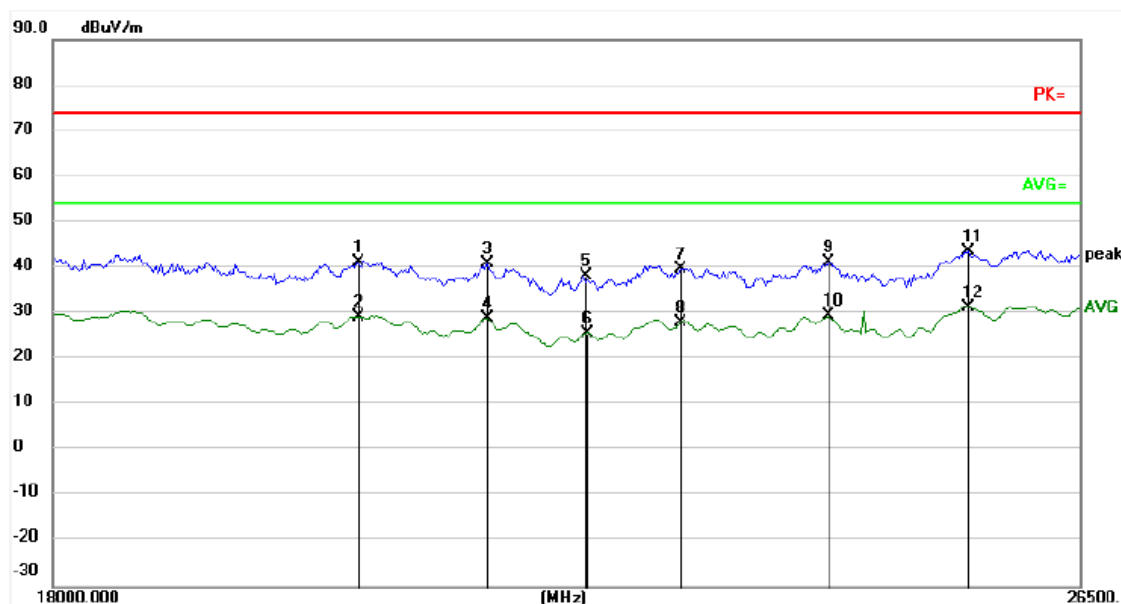
(4) Result = Reading + Correct Factor

(5) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator

(6) Margin = Result - Limit

TEST RESULTS (Between 18000MHz – 26500 MHz)

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	25.4 °C	Relative Humidity:	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Vertical	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 6535MHz		

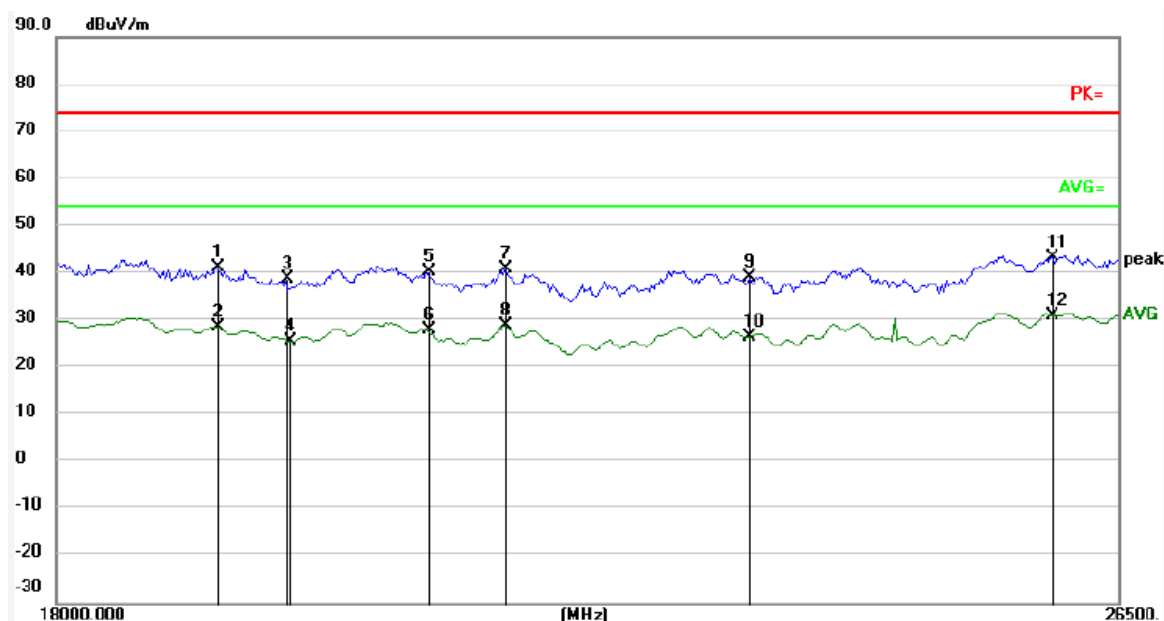


No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	20187.952	0.30	41.04	41.34	74.00	-32.66	peak
2	20187.952	0.30	29.08	29.38	54.00	-24.62	AVG
3	21198.216	0.62	40.29	40.91	74.00	-33.09	peak
4	21198.216	0.62	28.25	28.87	54.00	-25.13	AVG
5	21984.696	0.90	37.41	38.31	74.00	-35.69	peak
6	22001.743	0.90	24.81	25.71	54.00	-28.29	AVG
7	22800.354	1.42	38.46	39.88	74.00	-34.12	peak
8	22800.354	1.42	26.69	28.11	54.00	-25.89	AVG
9	24108.946	1.77	39.49	41.26	74.00	-32.74	peak
10	24108.946	1.77	27.69	29.46	54.00	-24.54	AVG
11	25413.729	2.17	41.55	43.72	74.00	-30.28	peak
12	25413.729	2.17	29.24	31.41	54.00	-22.59	AVG

The test result is calculated as the following:

- (4) Result = Reading + Correct Factor
- (5) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator
- (6) Margin = Result - Limit

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	25.4 °C	Relative Humidity:	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Horizontal	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 6535MHz		



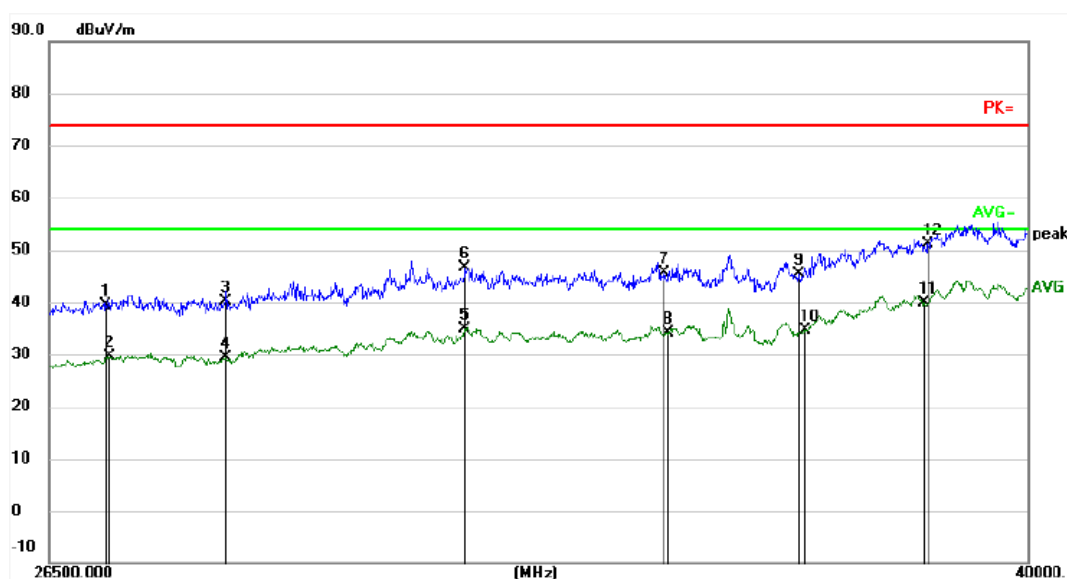
No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	19077.392	-0.07	41.17	41.10	74.00	-32.90	peak
2	19077.392	-0.07	28.60	28.53	54.00	-25.47	AVG
3	19571.651	0.10	38.79	38.89	74.00	-35.11	peak
4	19586.827	0.10	25.57	25.67	54.00	-28.33	AVG
5	20598.917	0.44	39.87	40.31	74.00	-33.69	peak
6	20598.917	0.44	27.50	27.94	54.00	-26.06	AVG
7	21198.216	0.62	40.29	40.91	74.00	-33.09	peak
8	21198.216	0.62	28.25	28.87	54.00	-25.13	AVG
9	23174.513	1.57	37.61	39.18	74.00	-34.82	peak
10	23174.513	1.57	25.07	26.64	54.00	-27.36	AVG
11	25870.847	2.25	41.17	43.42	74.00	-30.58	peak
12	25870.847	2.25	28.92	31.17	54.00	-22.83	AVG

The test result is calculated as the following:

- (4) Result = Reading + Correct Factor
- (5) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator
- (6) Margin = Result - Limit

TEST RESULTS (Between 26500MHz – 40000 MHz)

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	25.4 °C	Relative Humidity:	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Vertical	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 6535MHz		



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	27140.453	0.49	38.95	39.44	74.00	-34.56	peak
2	27173.998	0.50	29.11	29.61	54.00	-24.39	AVG
3	28538.584	0.87	39.25	40.12	74.00	-33.88	peak
4	28538.584	0.87	28.42	29.29	54.00	-24.71	AVG
5	31554.627	1.56	33.23	34.79	54.00	-19.21	AVG
6	31567.622	1.57	45.01	46.58	74.00	-27.42	peak
7	34319.515	2.01	43.52	45.53	74.00	-28.47	peak
8	34361.933	2.02	32.13	34.15	54.00	-19.85	AVG
9	36325.992	2.36	42.97	45.33	74.00	-28.67	peak
10	36400.853	2.36	32.34	34.70	54.00	-19.30	AVG
11	38291.792	2.68	37.23	39.91	54.00	-14.09	AVG
12	38339.120	2.69	48.45	51.14	74.00	-22.86	peak

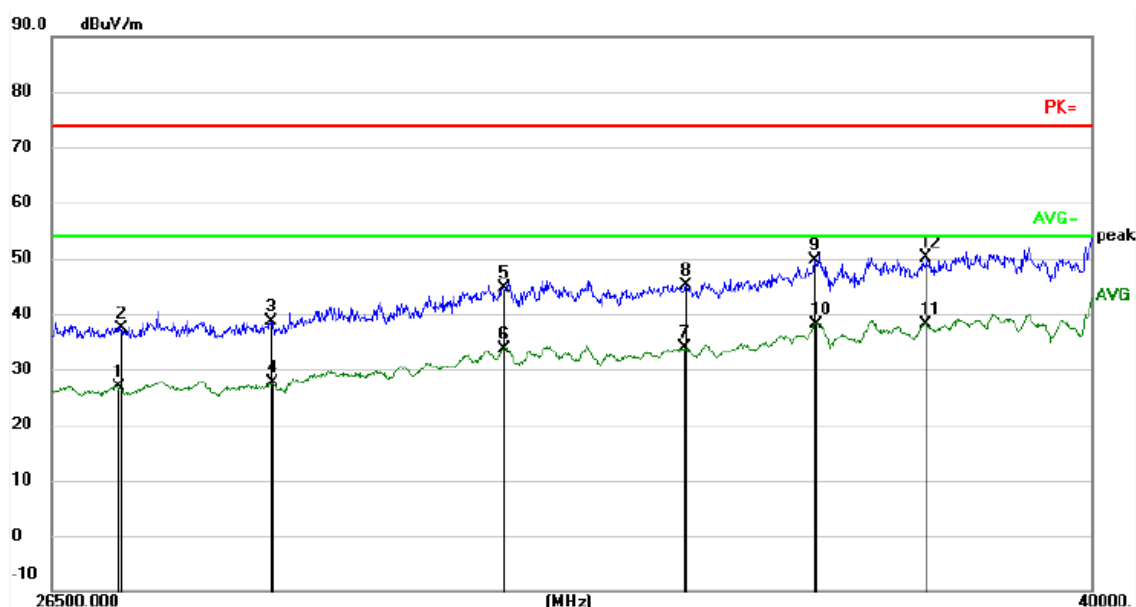
The test result is calculated as the following:

(4) Result = Reading + Correct Factor

(5) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator

(6) Margin = Result - Limit

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	25.4 °C	Relative Humidity:	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Horizontal	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 6535MHz		



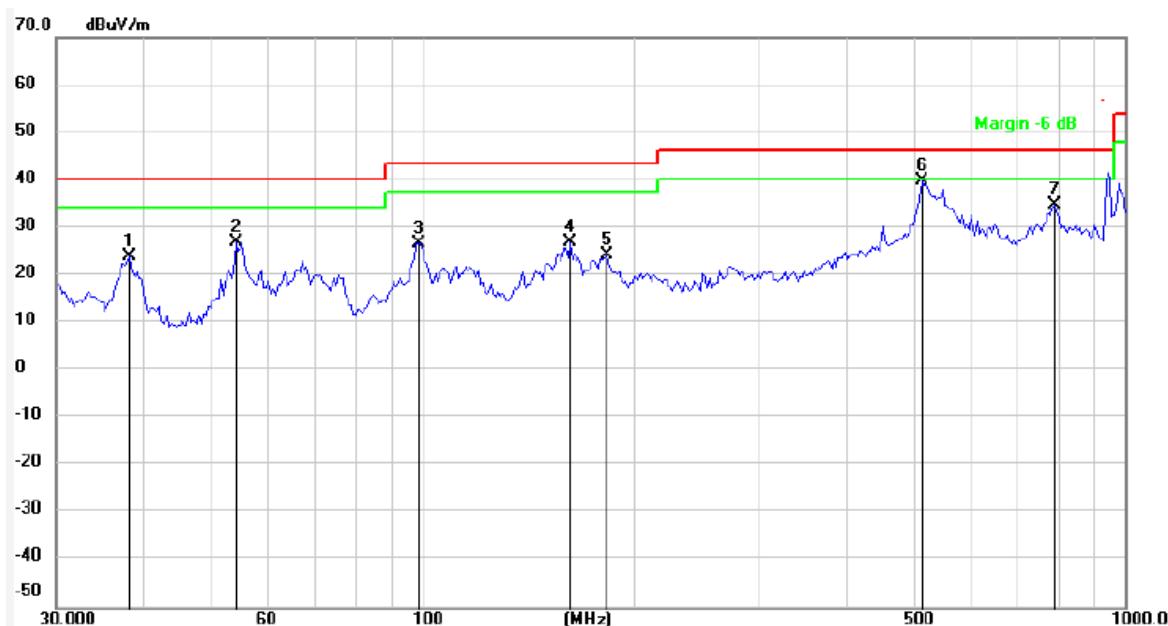
No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	27196.384	0.50	26.45	26.95	54.00	-27.05	AVG
2	27229.998	0.52	36.82	37.34	74.00	-36.66	peak
3	28905.178	0.97	37.67	38.64	74.00	-35.36	peak
4	28917.082	0.97	26.71	27.68	54.00	-26.32	AVG
5	31684.817	1.58	42.95	44.53	74.00	-29.47	peak
6	31684.817	1.58	32.03	33.61	54.00	-20.39	AVG
7	34052.082	1.97	31.82	33.79	54.00	-20.21	AVG
8	34066.105	1.97	43.12	45.09	74.00	-28.91	peak
9	35850.518	2.27	47.30	49.57	74.00	-24.43	peak
10	35865.282	2.27	35.98	38.25	54.00	-15.75	AVG
11	37434.404	2.54	35.52	38.06	54.00	-15.94	AVG
12	37465.242	2.55	47.58	50.13	74.00	-23.87	peak

The test result is calculated as the following:

- (4) Result = Reading + Correct Factor
- (5) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator
- (6) Margin = Result - Limit

TEST RESULTS (Between 30M – 1000 MHz)

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	25.4 °C	Relative Humidity:	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Vertical	Test Result:	Pass
Standard:	(RE) FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 6895MHz		



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	38.0964	-23.34	47.43	24.09	40.00	-15.91	QP
2	54.1349	-12.70	39.58	26.88	40.00	-13.12	QP
3	98.3752	-12.62	39.30	26.68	43.50	-16.82	QP
4	162.0197	-15.67	42.49	26.82	43.50	-16.68	QP
5	182.5784	-14.44	38.62	24.18	43.50	-19.32	QP
6	512.9477	-5.61	45.58	39.97	46.00	-6.03	QP
7	793.0281	-1.11	35.76	34.65	46.00	-11.35	QP

The test result is calculated as the following:

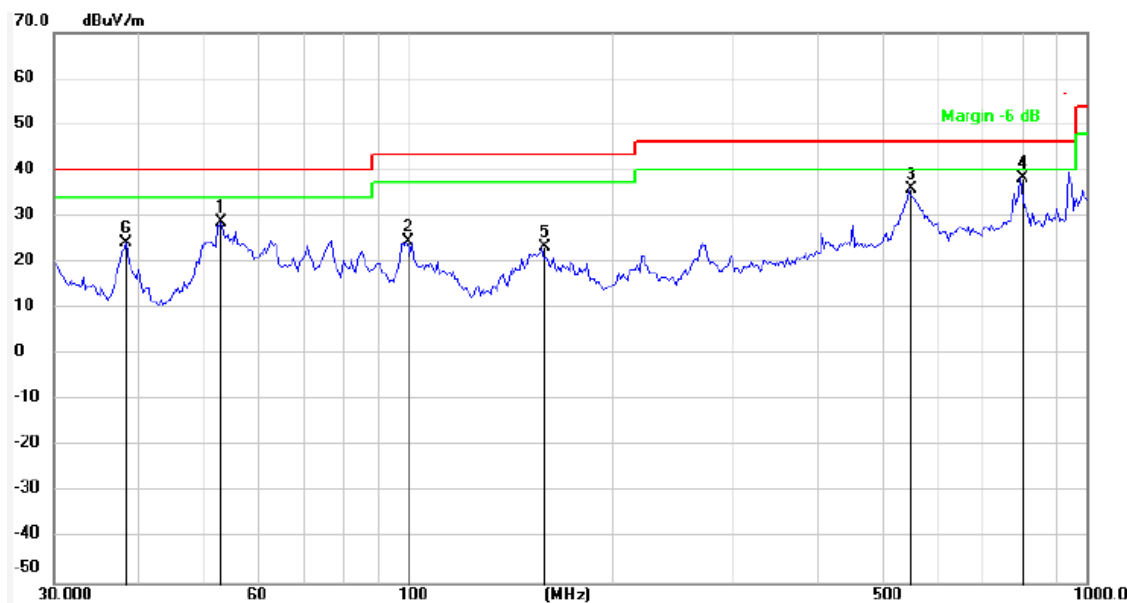
(7) Result = Reading + Correct Factor

(8) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator

(9) Margin = Result - Limit

Report No.: AAEMT/RF/250131-01-03

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	25.4 °C	Relative Humidity:	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Horizontal	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 6895MHz		



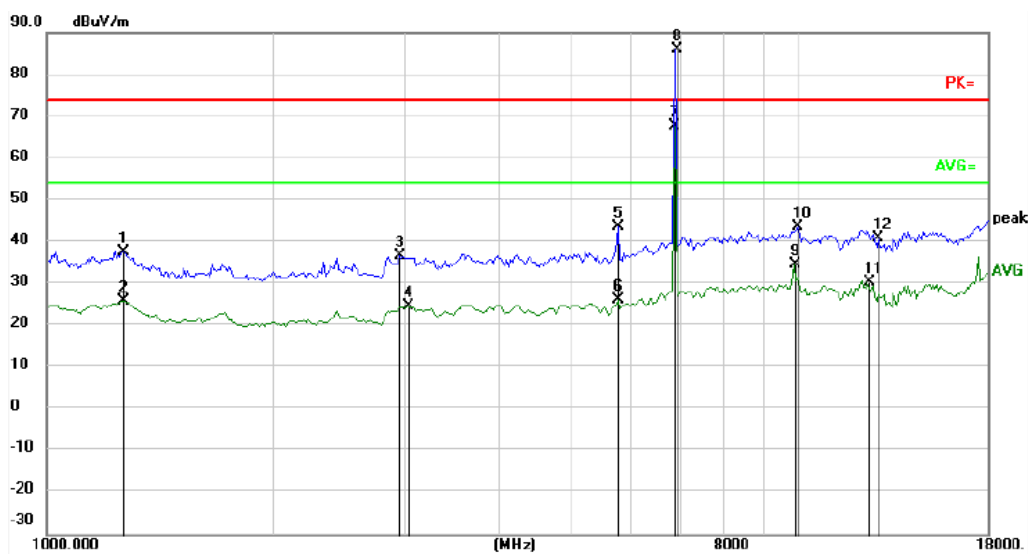
No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	53.0056	-11.29	39.95	28.66	40.00	-11.34	QP
2	99.0690	-10.51	35.03	24.52	43.50	-18.98	QP
3	546.4368	-2.88	38.79	35.91	46.00	-10.09	QP
4	798.6205	0.96	37.30	38.26	46.00	-7.74	QP
5	157.5290	-13.94	37.39	23.45	43.50	-20.05	QP
6	38.3651	-18.13	42.32	24.19	40.00	-15.81	QP

The test result is calculated as the following:

- (7) Result = Reading + Correct Factor
- (8) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator
- (9) Margin = Result - Limit

TEST RESULTS (Between 1000MHz – 18000 MHz)

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	25.4 °C	Relative Humidity:	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Vertical	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 6895MHz		



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1260.733	-11.74	49.45	37.71	74.00	-36.29	peak
2	1260.733	-11.74	37.78	26.04	54.00	-27.96	AVG
3	2954.015	-10.78	47.50	36.72	74.00	-37.28	peak
4	3023.257	-10.44	35.10	24.66	54.00	-29.34	AVG
5	5783.884	-8.09	51.84	43.75	74.00	-30.25	peak
6	5783.884	-8.09	34.43	26.34	54.00	-27.66	AVG
7	6881.559	-4.87	72.40	67.53	54.00	13.53	AVG
8	6895.059	-4.88	90.81	85.93	74.00	11.93	peak
9	9912.157	-2.63	37.26	34.63	54.00	-19.37	AVG
10	10027.653	-1.92	45.71	43.79	74.00	-30.21	peak
11	12424.406	-1.52	32.11	30.59	54.00	-23.41	AVG
12	12863.794	-1.09	41.93	40.84	74.00	-33.16	peak

Note: Markers 7 & 8 are the intentional frequencies from EUT, Hence considered as pass.

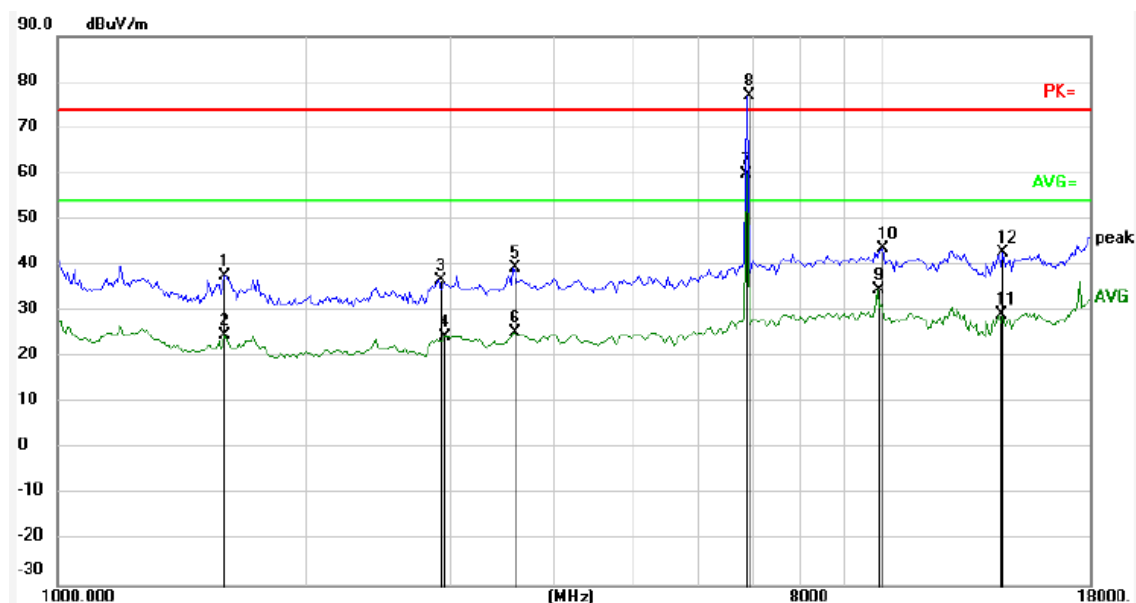
The test result is calculated as the following:

(7) Result = Reading + Correct Factor

(8) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator

(9) Margin = Result - Limit

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	25.4 °C	Relative Humidity:	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Horizontal	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 6895MHz		



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1598.680	-41.00	78.56	37.56	74.00	-36.44	peak
2	1598.680	-41.00	65.88	24.88	54.00	-29.12	AVG
3	2903.127	-40.14	76.76	36.62	74.00	-37.38	peak
4	2954.015	-39.85	64.29	24.44	54.00	-29.56	AVG
5	3576.241	-39.22	78.61	39.39	74.00	-34.61	peak
6	3576.241	-39.22	64.51	25.29	54.00	-28.71	AVG
7	6881.559	-40.62	100.37	59.75	54.00	5.75	AVG
8	6898.059	-40.67	117.76	77.09	74.00	3.09	peak
9	9912.157	-40.81	75.50	34.69	54.00	-19.31	AVG
10	10085.905	-40.32	83.88	43.56	74.00	-30.44	peak
11	13950.416	-39.26	68.56	29.30	54.00	-24.70	AVG
12	14112.966	-39.14	81.81	42.67	74.00	-31.33	peak

Note: Markers 7 & 8 are the intentional frequencies from EUT, Hence considered as pass.

The test result is calculated as the following:

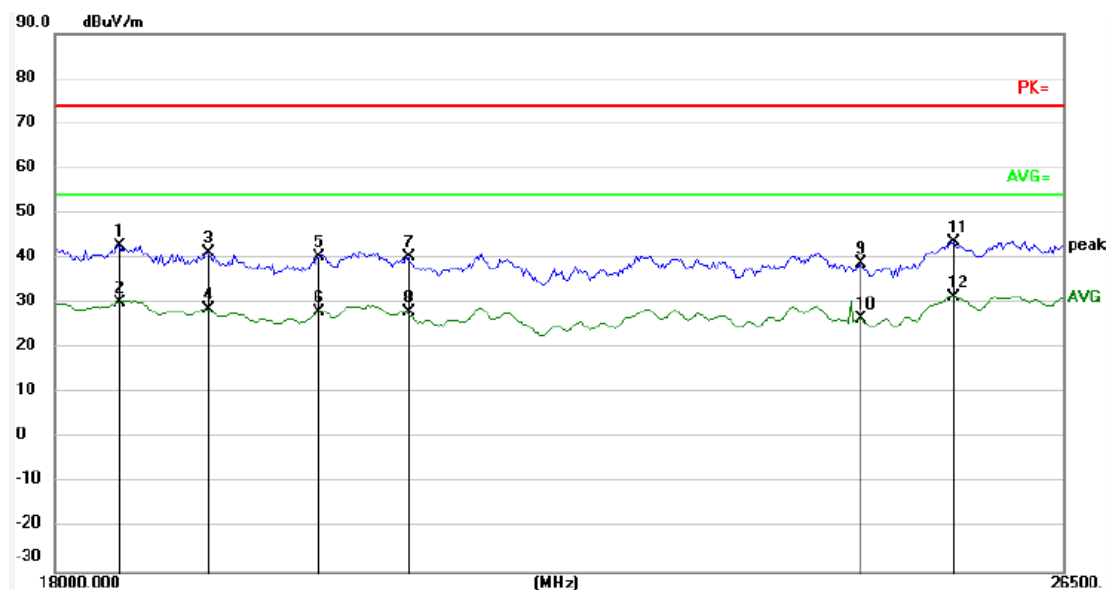
(7) Result = Reading + Correct Factor

(8) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator

(9) Margin = Result - Limit

TEST RESULTS (Between 18000MHz – 26500 MHz)

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	25.4 °C	Relative Humidity:	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Vertical	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 6895MHz		

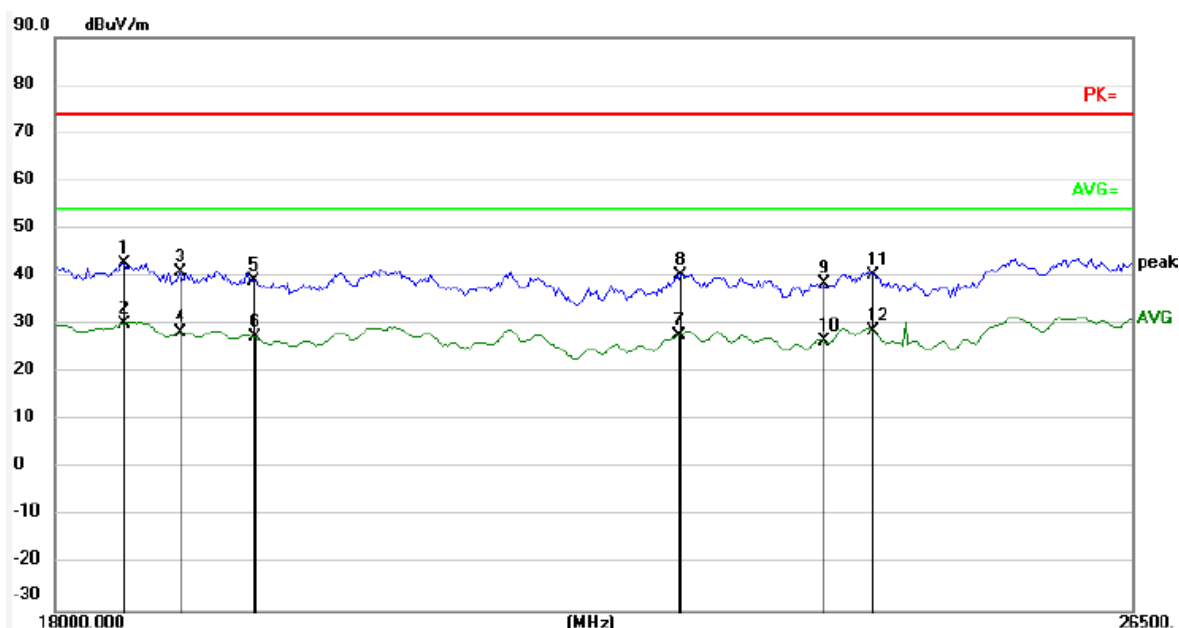


No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	18437.742	-0.55	43.35	42.80	74.00	-31.20	peak
2	18452.038	-0.54	30.84	30.30	54.00	-23.70	AVG
3	19077.392	-0.07	41.17	41.10	74.00	-32.90	peak
4	19077.392	-0.07	28.60	28.53	54.00	-25.47	AVG
5	19908.251	0.21	40.19	40.40	74.00	-33.60	peak
6	19908.251	0.21	27.88	28.09	54.00	-25.91	AVG
7	20598.917	0.44	39.87	40.31	74.00	-33.69	peak
8	20598.917	0.44	27.50	27.94	54.00	-26.06	AVG
9	24504.580	1.91	37.04	38.95	74.00	-35.05	peak
10	24523.580	1.91	24.55	26.46	54.00	-27.54	AVG
11	25413.729	2.17	41.55	43.72	74.00	-30.28	peak
12	25413.729	2.17	29.24	31.41	54.00	-22.59	AVG

The test result is calculated as the following:

- (7) Result = Reading + Correct Factor
- (8) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator
- (9) Margin = Result - Limit

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	25.4 °C	Relative Humidity:	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Horizontal	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 6895MHz		



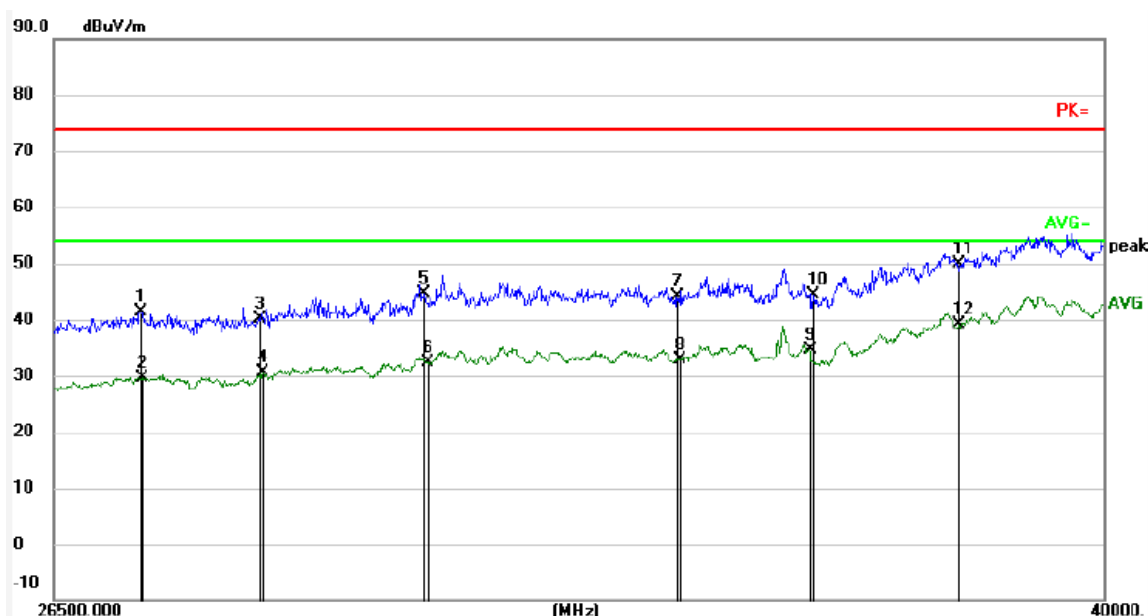
No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	18437.742	-0.55	43.35	42.80	74.00	-31.20	peak
2	18452.038	-0.54	30.84	30.30	54.00	-23.70	AVG
3	18827.665	-0.22	41.24	41.02	74.00	-32.98	peak
4	18827.665	-0.22	28.58	28.36	54.00	-25.64	AVG
5	19330.431	0.03	39.24	39.27	74.00	-34.73	peak
6	19345.420	0.03	27.30	27.33	54.00	-26.67	AVG
7	22519.341	1.24	26.48	27.72	54.00	-26.28	AVG
8	22536.802	1.26	39.09	40.35	74.00	-33.65	peak
9	23719.701	1.68	36.97	38.65	74.00	-35.35	peak
10	23719.701	1.68	24.80	26.48	54.00	-27.52	AVG
11	24146.349	1.78	38.57	40.35	74.00	-33.65	peak
12	24146.349	1.78	26.90	28.68	54.00	-25.32	AVG

The test result is calculated as the following:

- (7) Result = Reading + Correct Factor
- (8) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator
- (9) Margin = Result - Limit

TEST RESULTS (Between 26500MHz – 40000 MHz)

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	25.4 °C	Relative Humidity:	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Vertical	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 6895MHz		

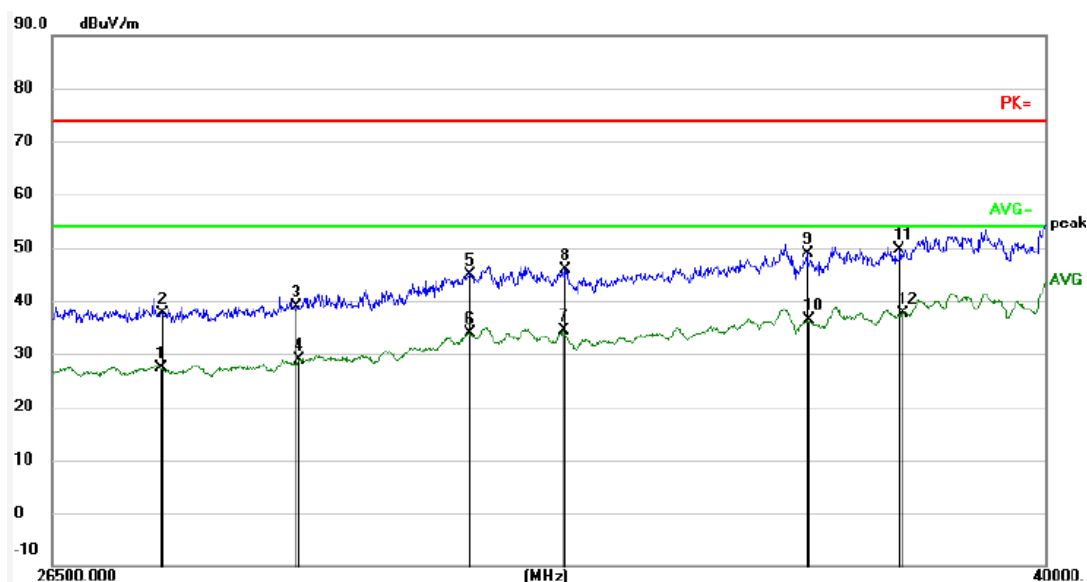


No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	27409.975	0.57	40.85	41.42	74.00	-32.58	peak
2	27443.852	0.57	29.03	29.60	54.00	-24.40	AVG
3	28715.384	0.92	39.11	40.03	74.00	-33.97	peak
4	28762.715	0.94	29.68	30.62	54.00	-23.38	AVG
5	30645.538	1.39	43.29	44.68	74.00	-29.32	peak
6	30683.415	1.40	31.10	32.50	54.00	-21.50	AVG
7	33828.493	1.94	42.28	44.22	74.00	-29.78	peak
8	33870.303	1.95	30.99	32.94	54.00	-21.06	AVG
9	35629.787	2.22	32.38	34.60	54.00	-19.40	AVG
10	35688.515	2.23	42.04	44.27	74.00	-29.73	peak
11	37775.031	2.60	47.34	49.94	74.00	-24.06	peak
12	37790.587	2.60	36.49	39.09	54.00	-14.91	AVG

The test result is calculated as the following:

- (7) Result = Reading + Correct Factor
- (8) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator
- (9) Margin = Result - Limit

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	25.4 °C	Relative Humidity:	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Horizontal	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 6895MHz		



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	27716.387	0.65	26.78	27.43	54.00	-26.57	AVG
2	27727.801	0.65	37.05	37.70	74.00	-36.30	peak
3	29324.738	1.09	37.84	38.93	74.00	-35.07	peak
4	29348.896	1.10	27.81	28.91	54.00	-25.09	AVG
5	31502.702	1.56	43.27	44.83	74.00	-29.17	peak
6	31502.702	1.56	32.38	33.94	54.00	-20.06	AVG
7	32759.340	1.78	32.58	34.36	54.00	-19.64	AVG
8	32772.831	1.78	44.05	45.83	74.00	-28.17	peak
9	36236.363	2.34	46.64	48.98	74.00	-25.02	peak
10	36251.286	2.34	34.05	36.39	54.00	-17.61	AVG
11	37650.809	2.58	47.08	49.66	74.00	-24.34	peak
12	37697.344	2.59	35.02	37.61	54.00	-16.39	AVG

The test result is calculated as the following:

(7) Result = Reading + Correct Factor

(8) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator

(9) Margin = Result - Limit

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The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor.

Average measurement was not performed if peak level lower than average limit.

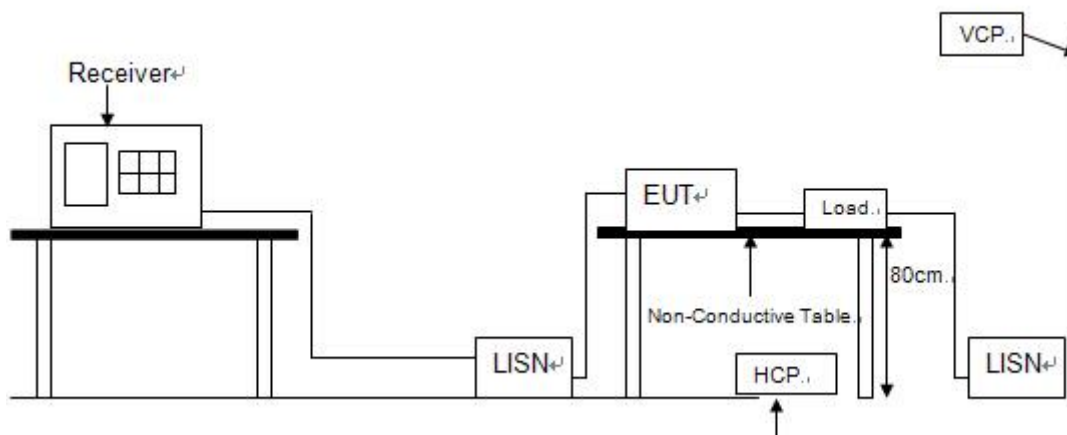
No any other emissions level very low which are attenuated less than 20dB below the limit.

According to 15.31(o), The amplitude of spurious emissions from intentional radiators and emissions from unintentional radiators which are attenuated more than 20 dB below the permissible value need not be reported unless specifically required elsewhere in this Part.

Hence there no other emissions have been reported.

9. POWER LINE CONDUCTED EMISSION

9.1. Block diagram of test setup



9.2. Power Line Conducted Emission Limits

Frequency	Quasi-Peak Level dB(μ V)	Average Level dB(μ V)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Note 1: * Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.

9.3. Test Procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80cm above the ground plane.

Configuration EUT to simulate typical usage as described in clause 2.4 and test equipment as described in clause 10.2 of this report.

All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in clause 2.4 were scanned during the preliminary test.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 KHz.

9.4. Test Result

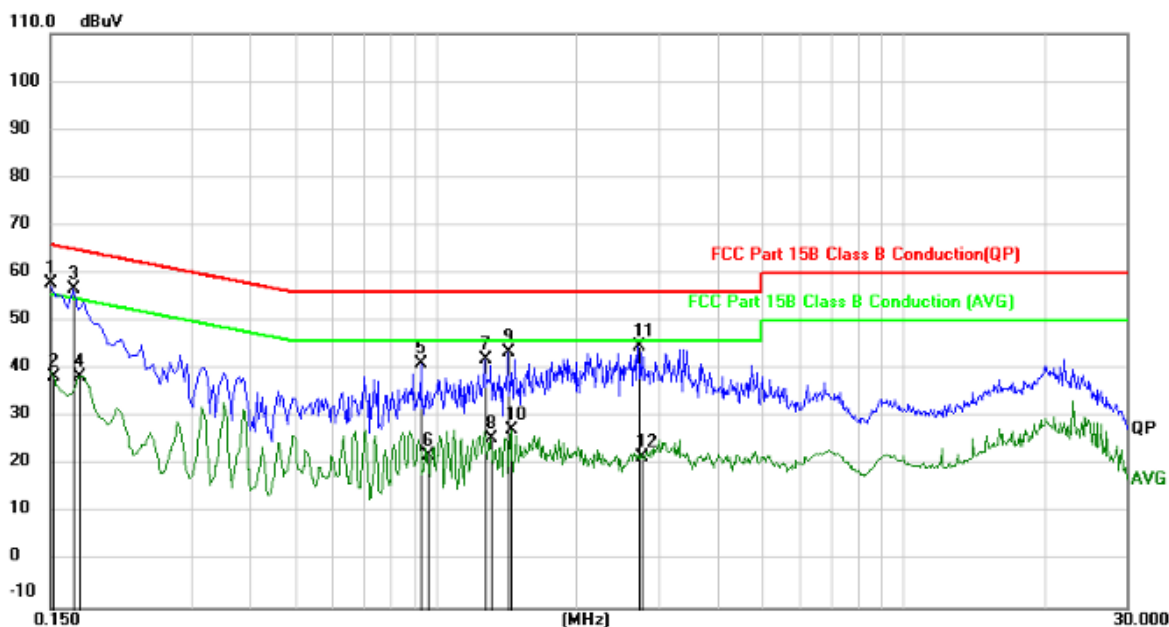
PASS. (See below detailed test result)

Note1: All emissions not reported below are too low against the prescribed limits.

Note2: “-----” means peak detection; “-----” means average detection

Report No.: AAEMT/RF/250131-01-03

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	24.5 °C	Relative Humidity:	52%
Probe:	Line	Test Power:	AC 110V/60Hz
Test Mode:	TX	Test Result:	Pass
Standard:	(CE)FCC PART 15 E_QP		

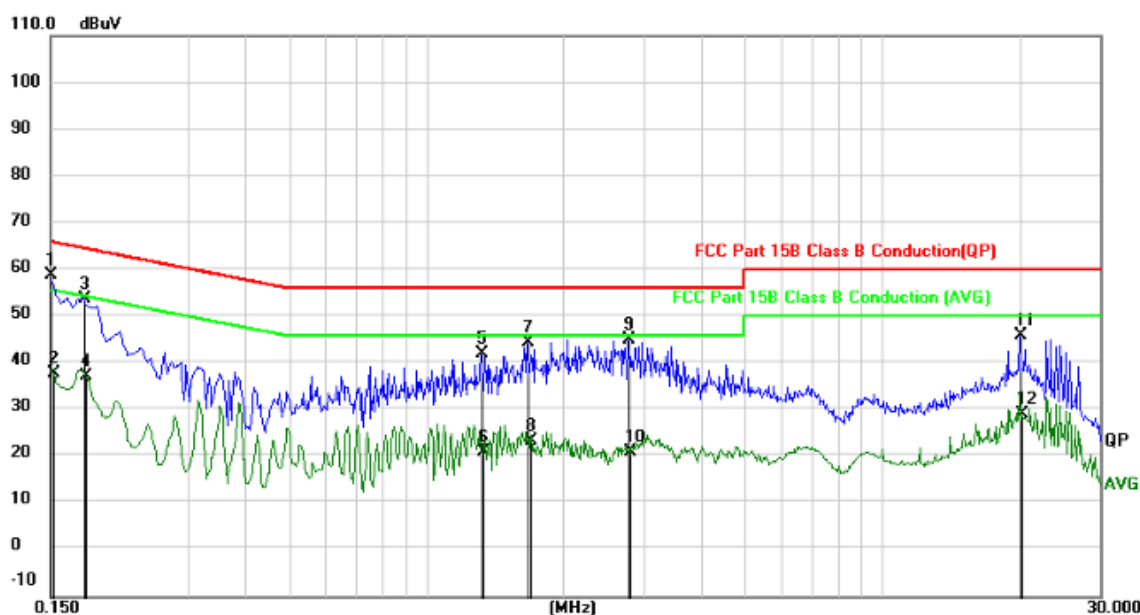


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1	*	0.1499	45.90	11.95	57.85	66.00	-8.15	QP
2		0.1524	26.43	11.96	38.39	55.86	-17.47	AVG
3		0.1680	44.63	12.05	56.68	65.05	-8.37	QP
4		0.1724	26.44	12.07	38.51	54.84	-16.33	AVG
5		0.9284	30.16	10.99	41.15	56.00	-14.85	QP
6		0.9598	10.86	11.00	21.86	46.00	-24.14	AVG
7		1.2749	30.95	11.00	41.95	56.00	-14.05	QP
8		1.3108	14.42	11.00	25.42	46.00	-20.58	AVG
9		1.4324	32.44	11.00	43.44	56.00	-12.56	QP
10		1.4549	16.25	11.00	27.25	46.00	-18.75	AVG
11		2.7105	33.81	11.06	44.87	56.00	-11.13	QP
12		2.7509	10.53	11.07	21.60	46.00	-24.40	AVG

The test result is calculated as the following:

- (1) Result = Reading + Correct Factor
- (2) Correct Factor = (LISN, ISN, PLC or Current Probe) Factor + Cable Loss + Attenuator
- (3) Margin = Result - Limit

EUT:	Wireless Access Point	Model Name. :	C-400
Temperature:	24.5 °C	Relative Humidity:	52%
Probe:	Neutral	Test Power:	AC 110V/60Hz
Test Mode:	TX	Test Result:	Pass
Standard:	(CE)FCC PART 15 E_QP		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1	*	0.1499	47.06	11.75	58.81	66.00	-7.19	QP
2		0.1524	26.06	11.76	37.82	55.86	-18.04	AVG
3		0.1770	41.86	11.90	53.76	64.62	-10.86	QP
4		0.1796	25.26	11.91	37.17	54.50	-17.33	AVG
5		1.3199	31.13	10.90	42.03	56.00	-13.97	QP
6		1.3333	10.01	10.90	20.91	46.00	-25.09	AVG
7		1.6664	33.63	10.90	44.53	56.00	-11.47	QP
8		1.6978	12.59	10.90	23.49	46.00	-22.51	AVG
9		2.7780	34.25	10.94	45.19	56.00	-10.81	QP
10		2.8050	10.01	10.94	20.95	46.00	-25.05	AVG
11		20.0085	34.96	11.08	46.04	60.00	-13.96	QP
12		20.2560	18.11	11.08	29.19	50.00	-20.81	AVG

The test result is calculated as the following:

- (1) Result = Reading + Correct Factor
- (2) Correct Factor = (LISN, ISN, PLC or Current Probe) Factor + Cable Loss +Attenuator
- (3) Margin = Result – Limit

10. CONDUCTED SPURIOUS EMISSIONS

Test Requirement:

FCC Part 15 E section 15.407

For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of -27 dBm/MHz.

Test Method:

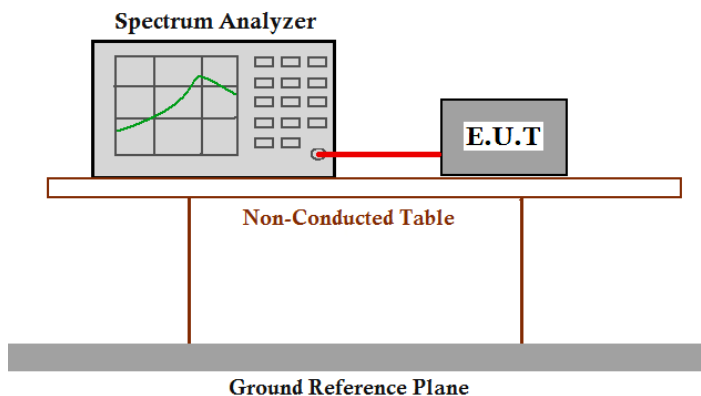
ANSI C63.10: Clause 6.7

Test Status:

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). Following channel(s) was (were) selected for the final test as listed below.

Pre-test the EUT under 2 modes: power-supplied by using the AC adapter and power-supplied by using internal battery. After pre-testing, we found the worst case is the test mode of EUT power-supplied by using internal battery.

Test Configuration:



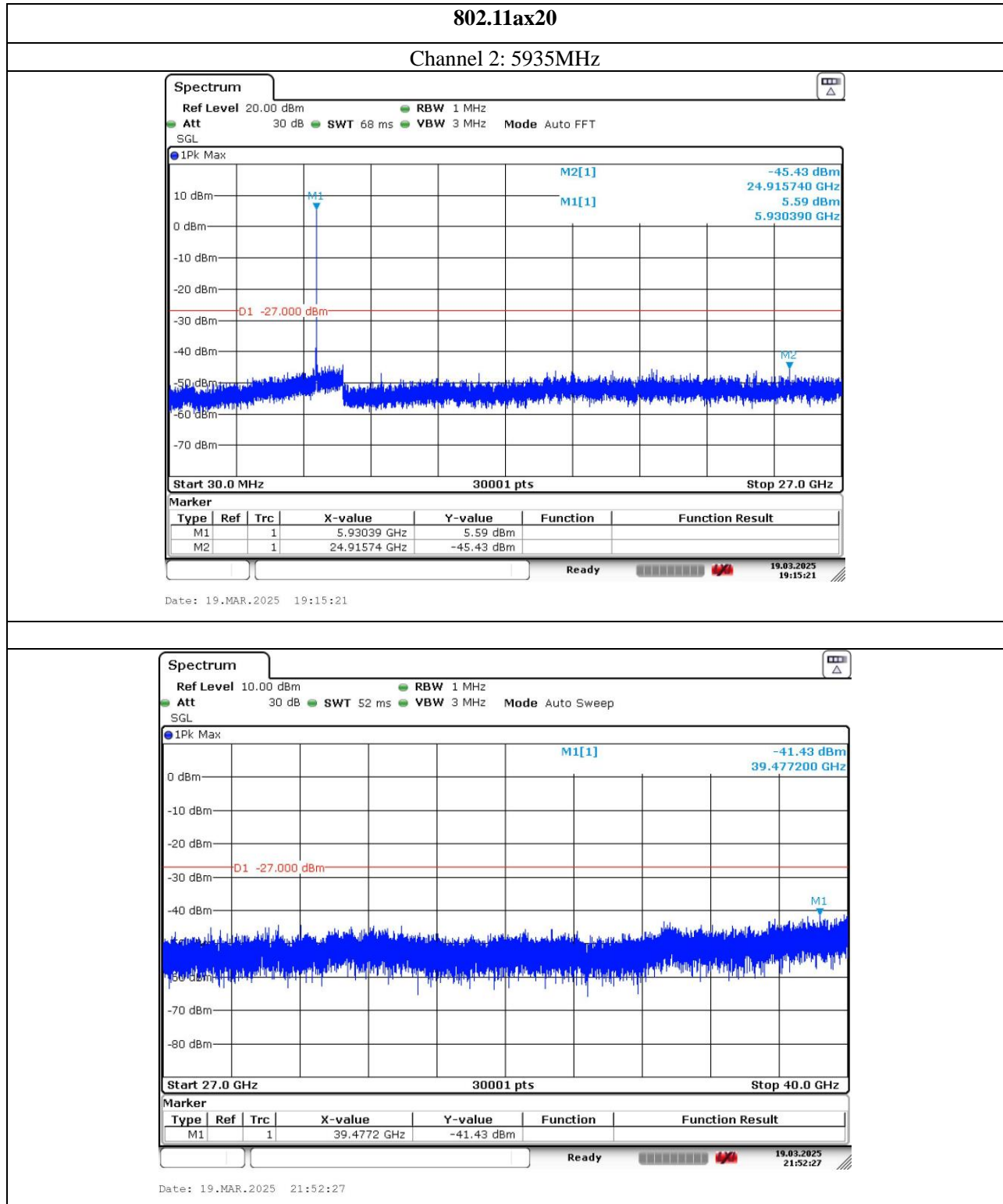
Test Procedure:

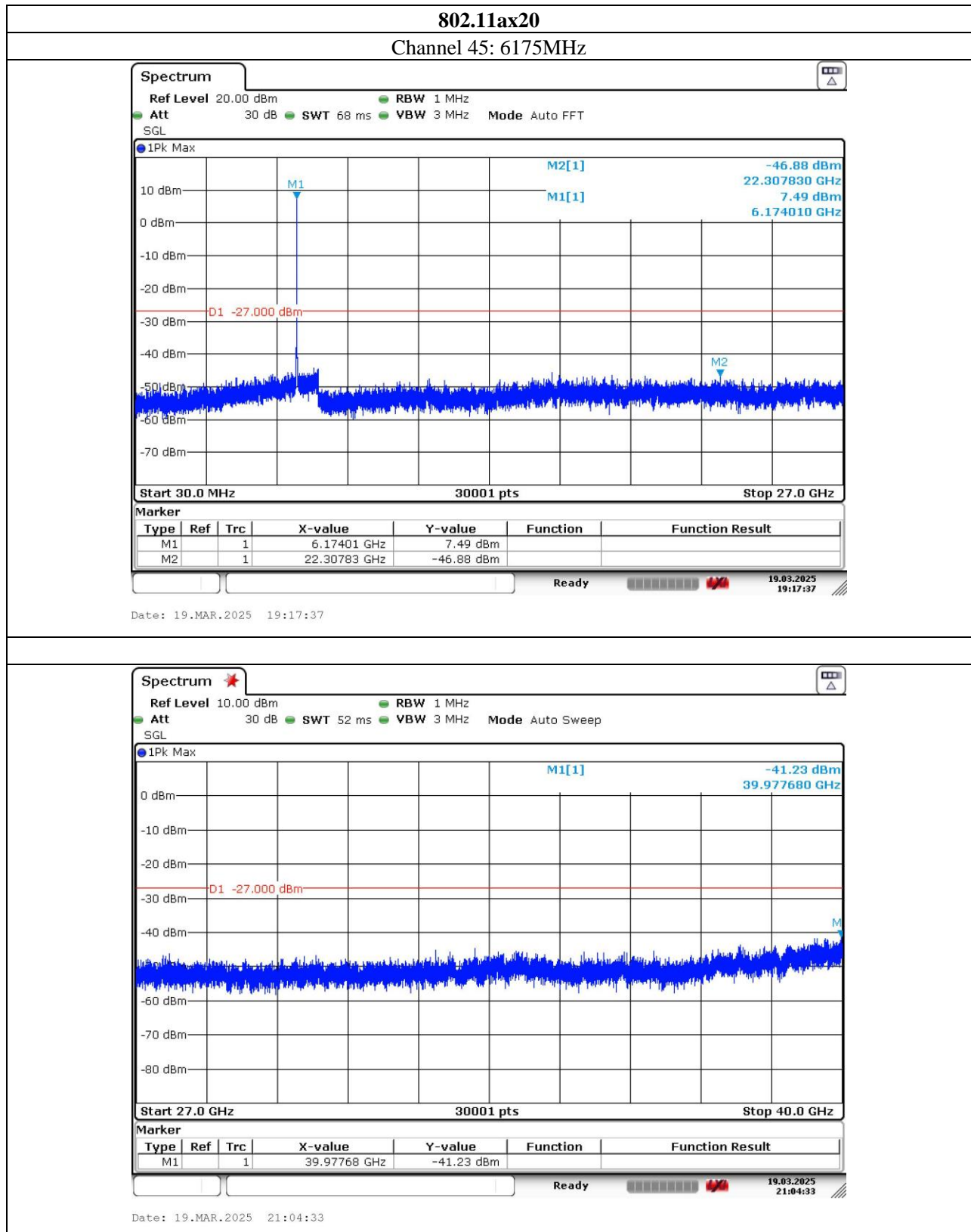
1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum analyzer or power meter.
2. Set the spectrum analyzer: RBW=1 MHz, VBW = 3 MHz. Sweep = auto; Detector Function = Peak. Trace = Max Hold, Scan up through 10th harmonic.
3. Measure the Conducted Spurious Emissions of the test frequency with special test status.
4. Repeat until all the test status is investigated.
5. Report the worse case.

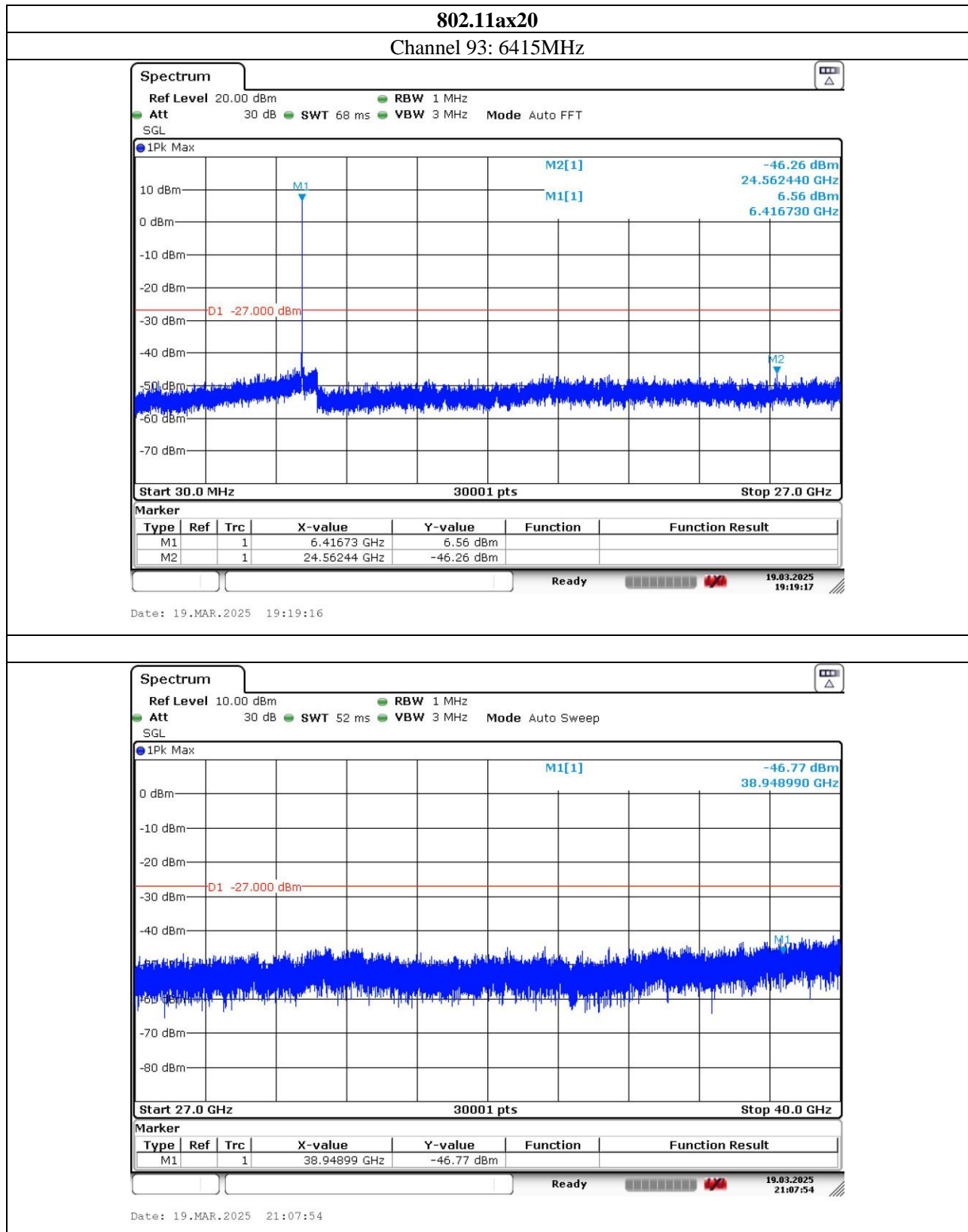
Report No.: AAEMT/RF/250131-01-03

Result plot as follows:

Antenna 0:

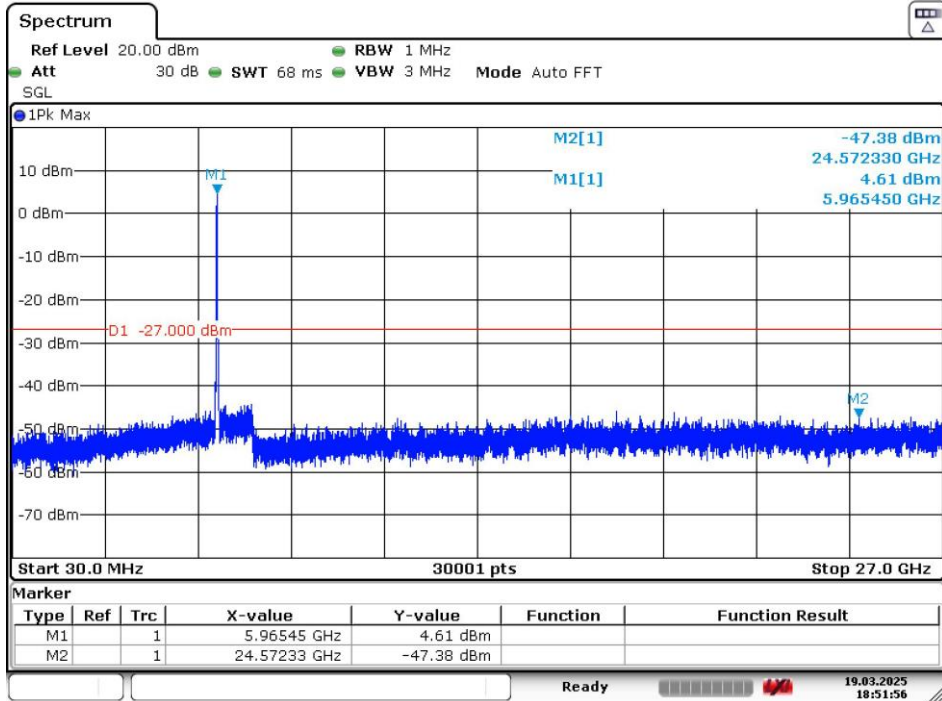




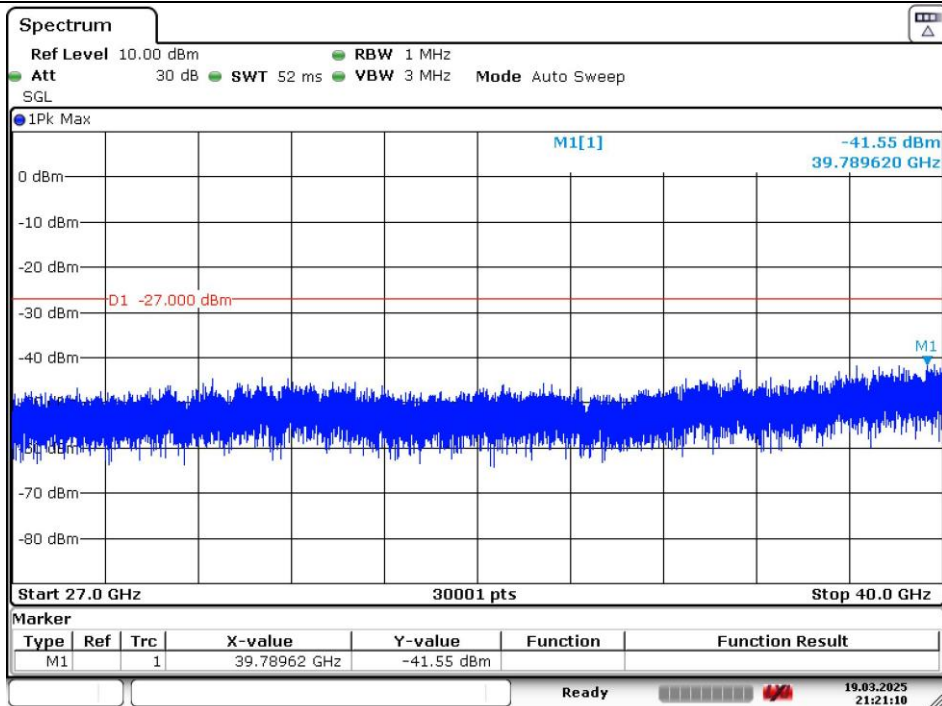


802.11ax40

Channel 3: 5965MHz



Date: 19.MAR.2025 18:51:56



Date: 19.MAR.2025 21:21:10