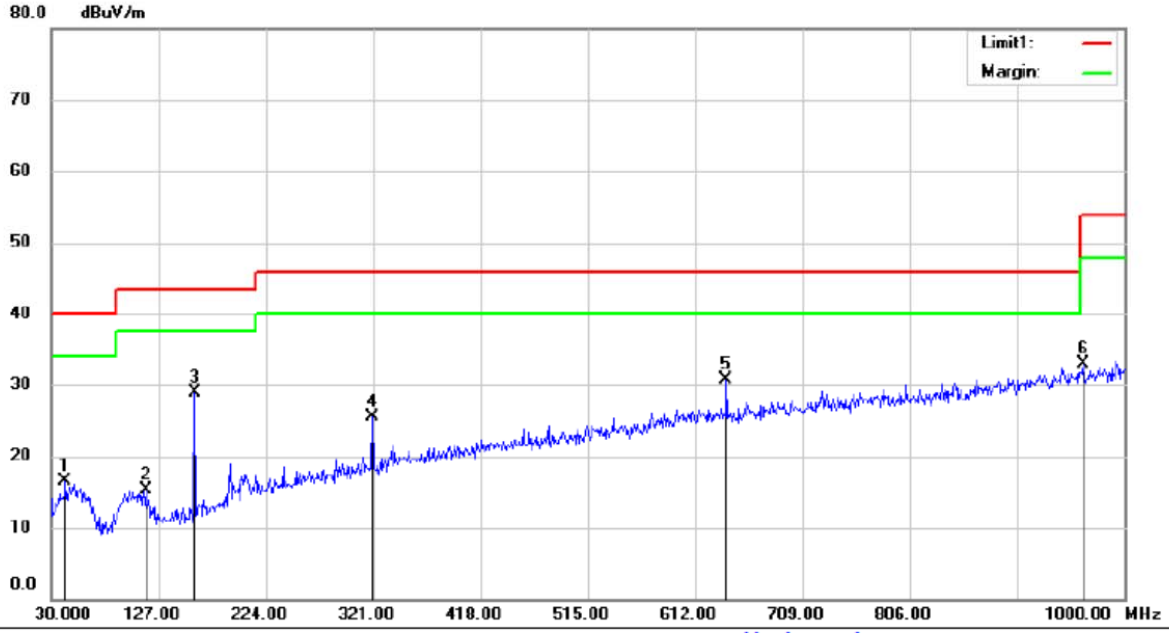


Site 3m Chamber 1# Polarization: *Horizontal* Temperature: 27 C

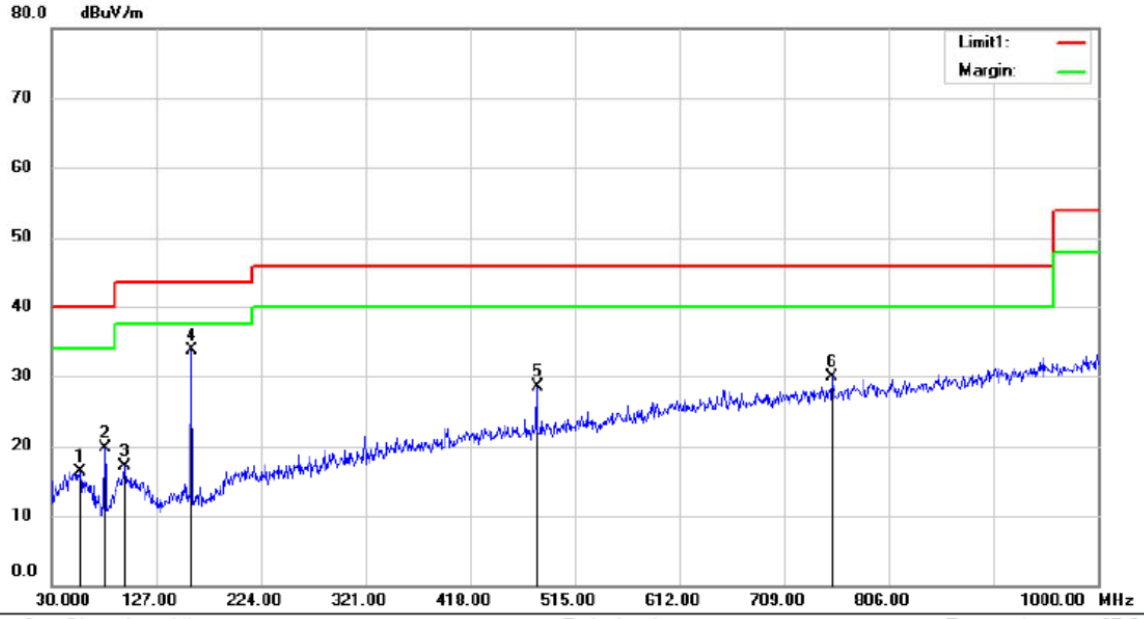
Limit: (RE)FCC PART 15 CLASS B Power: DC 21.6V Humidity: 43 %

Mode: 802.11b 2412MHz

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		42.6100	28.04	-11.54	16.50	40.00	-23.50	QP			
2		115.3600	28.54	-13.32	15.22	43.50	-28.28	QP			
3	*	159.9800	43.66	-14.72	28.94	43.50	-14.56	QP			
4		320.0300	33.51	-7.93	25.58	46.00	-20.42	QP			
5		640.1300	32.52	-1.76	30.76	46.00	-15.24	QP			
6		963.1400	29.70	3.22	32.92	54.00	-21.08	QP			

*:Maximum data x:Over limit !:over margin Operator: CTR



Site 3m Chamber 1#
Limit: (RE)FCC PART 15 CLASS B
Mode: 802.11b 2437MHz
Note:

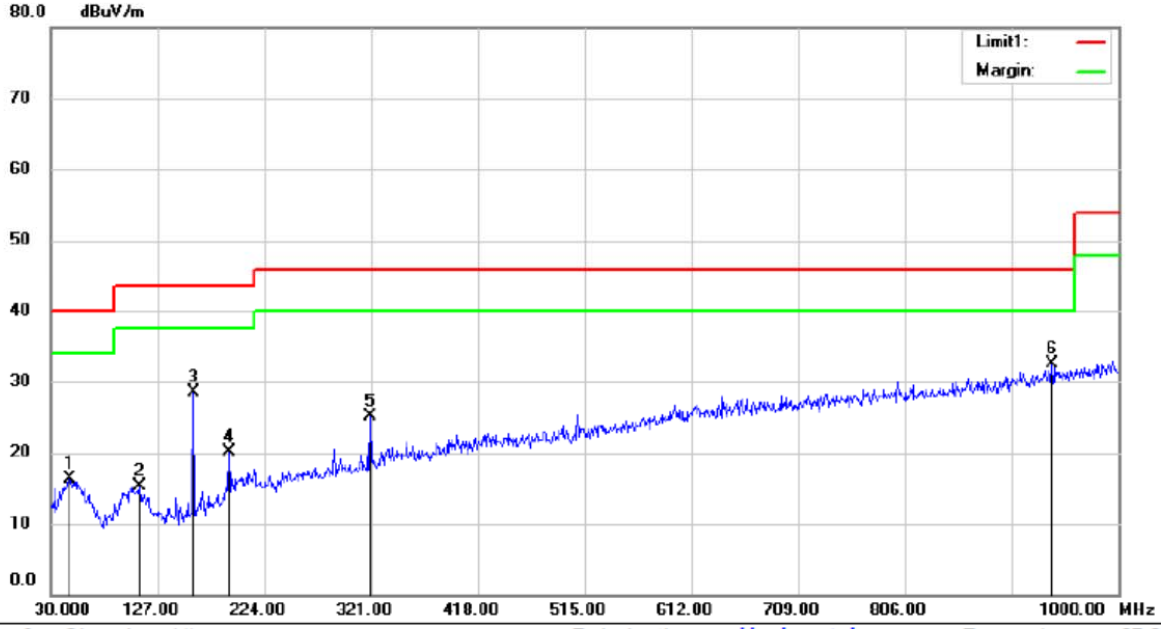
Polarization: *Vertical*
Power: DC 21.6V

Temperature: 27 C
Humidity: 43 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		56.1900	28.34	-11.94	16.40	40.00	-23.60	QP			
2		79.4700	36.67	-16.87	19.80	40.00	-20.20	QP			
3		97.9000	30.08	-12.97	17.11	43.50	-26.39	QP			
4	*	159.9800	48.51	-14.72	33.79	43.50	-9.71	QP			
5		480.0800	33.44	-5.03	28.41	46.00	-17.59	QP			
6		753.6200	30.05	-0.17	29.88	46.00	-16.12	QP			

*:Maximum data x:Over limit !:over margin

Operator: CTR



Site 3m Chamber 1# Polarization: *Horizontal* Temperature: 27 C

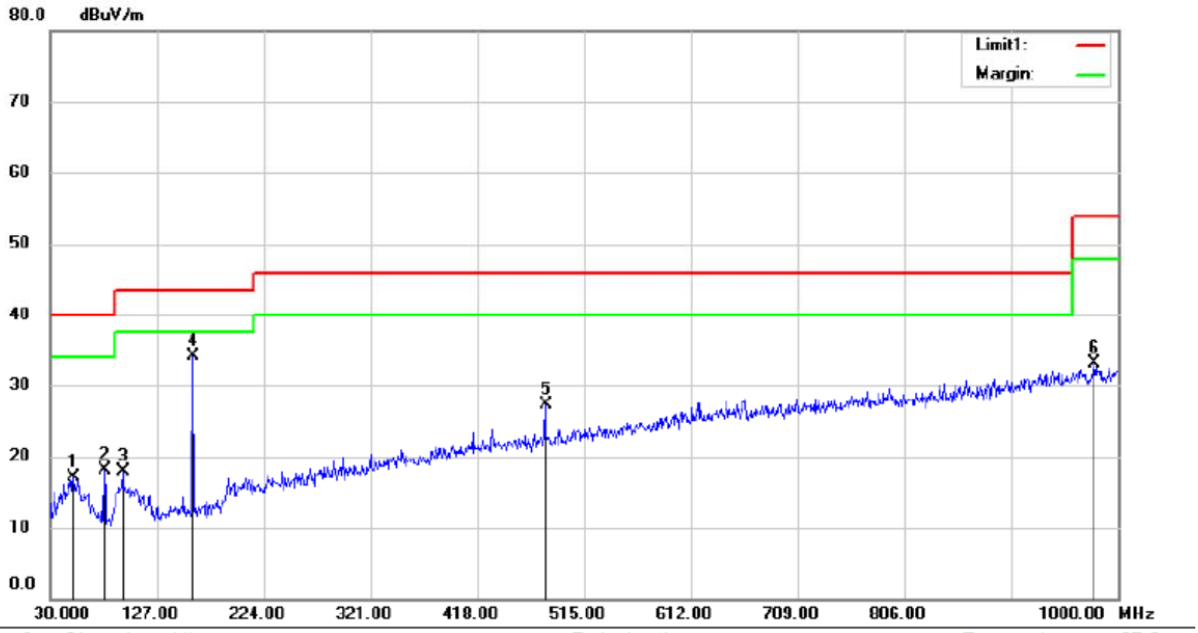
Limit: (RE)FCC PART 15 CLASS B Power: DC 21.6V Humidity: 43 %

Mode: 802.11b 2437MHz

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		47.4600	27.61	-11.21	16.40	40.00	-23.60	QP			
2		110.5100	27.87	-12.64	15.23	43.50	-28.27	QP			
3		159.9800	43.23	-14.72	28.51	43.50	-14.99	QP			
4		191.9900	32.29	-12.21	20.08	43.50	-23.42	QP			
5		320.0300	33.01	-7.93	25.08	46.00	-20.92	QP			
6	*	939.8600	29.72	2.79	32.51	46.00	-13.49	QP			

*:Maximum data x:Over limit !:over margin Operator: CTR



Site 3m Chamber 1#
Limit: (RE)FCC PART 15 CLASS B
Mode: 802.11b 2462MHz
Note:

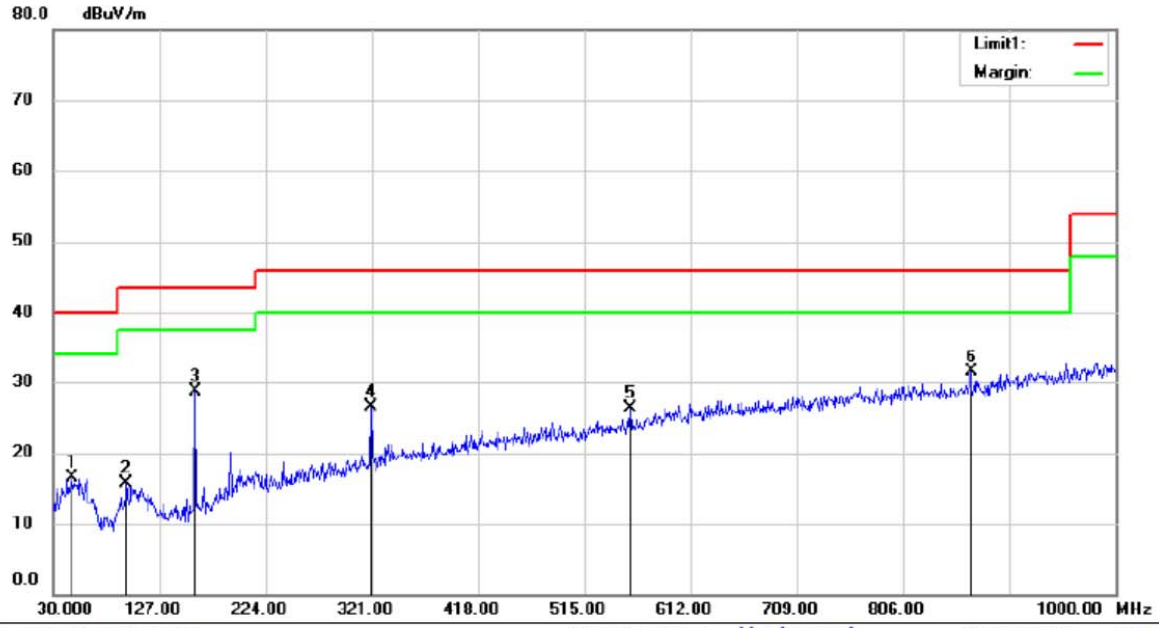
Polarization: *Vertical*
Power: DC 21.6V

Temperature: 27 C
Humidity: 43 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		51.3400	28.24	-11.17	17.07	40.00	-22.93	QP			
2		79.4700	34.95	-16.87	18.08	40.00	-21.92	QP			
3		95.9600	31.21	-13.28	17.93	43.50	-25.57	QP			
4	*	159.9800	48.82	-14.72	34.10	43.50	-9.40	QP			
5		480.0800	32.36	-5.03	27.33	46.00	-18.67	QP			
6		978.6600	29.58	3.48	33.06	54.00	-20.94	QP			

*:Maximum data x:Over limit !:over margin

Operator: CTR



Site 3m Chamber 1# Polarization: *Horizontal* Temperature: 27 C

Limit: (RE)FCC PART 15 CLASS B Power: DC 21.6V Humidity: 43 %

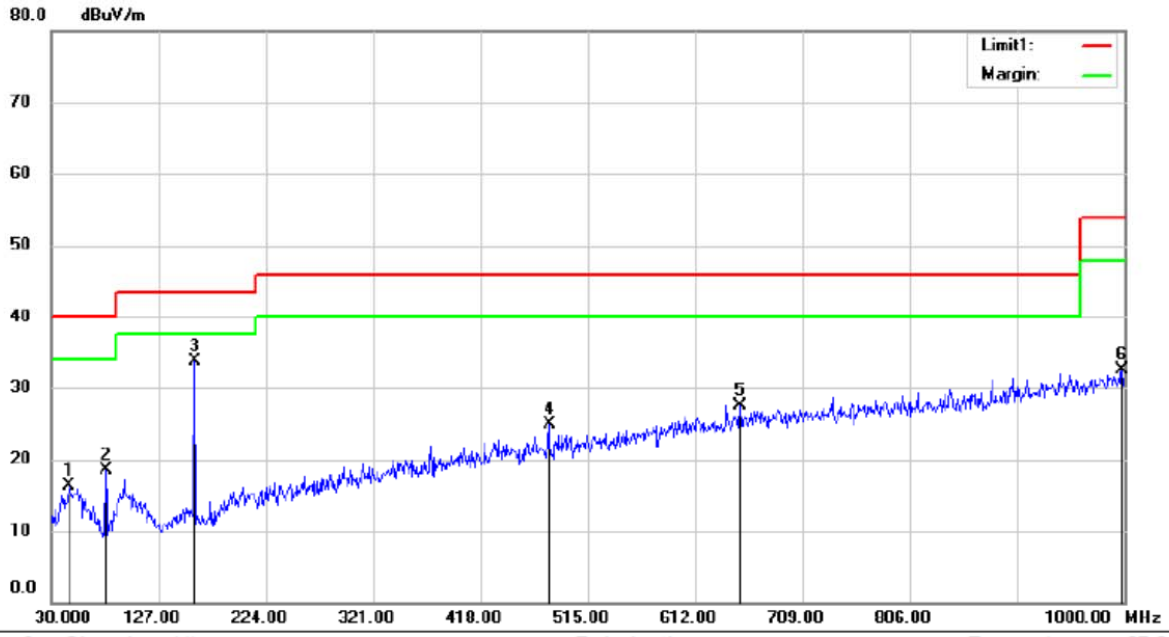
Mode: 802.11b 2462MHz

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		47.4600	27.68	-11.21	16.47	40.00	-23.53	QP			
2		96.9300	28.78	-13.13	15.65	43.50	-27.85	QP			
3		159.9800	43.49	-14.72	28.77	43.50	-14.73	QP			
4		320.0300	34.42	-7.93	26.49	46.00	-19.51	QP			
5		556.7100	29.97	-3.68	26.29	46.00	-19.71	QP			
6	*	868.0800	30.12	1.37	31.49	46.00	-14.51	QP			

*:Maximum data x:Over limit !:over margin Operator: CTR

For Model Number: PURE ONE S12



Site 3m Chamber 1# Polarization: *Vertical* Temperature: 27 C

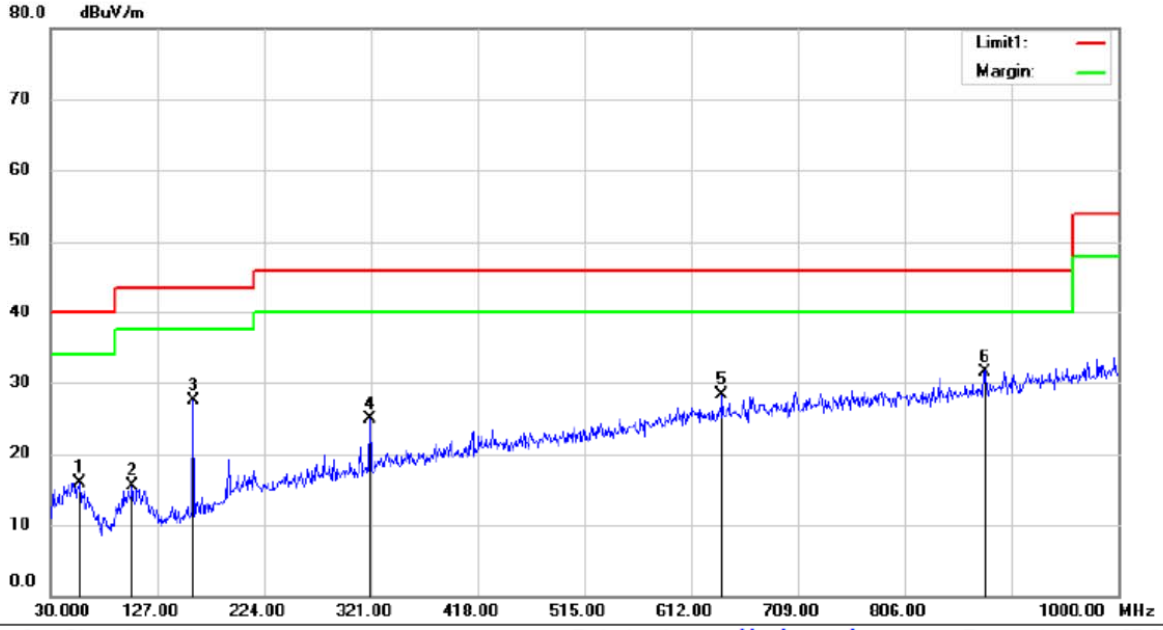
Limit: (RE)FCC PART 15 CLASS B Power: DC 21.6V Humidity: 43 %

Mode: 802.11b 2412MHz

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		45.5200	27.62	-11.31	16.31	40.00	-23.69	QP			
2		79.4700	35.41	-16.87	18.54	40.00	-21.46	QP			
3	*	159.9800	48.49	-14.72	33.77	43.50	-9.73	QP			
4		480.0800	29.89	-5.03	24.86	46.00	-21.14	QP			
5		652.7400	29.09	-1.59	27.50	46.00	-18.50	QP			
6		998.0600	28.59	3.90	32.49	54.00	-21.51	QP			

*:Maximum data x:Over limit !:over margin Operator: CTR



Site 3m Chamber 1# Polarization: *Horizontal* Temperature: 27 C

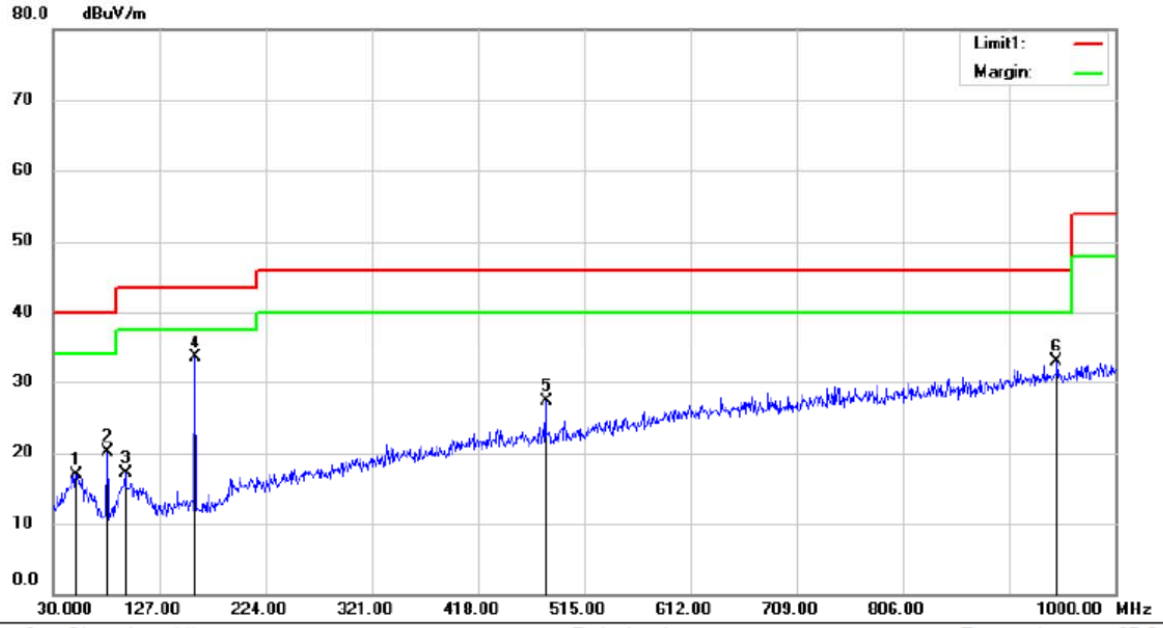
Limit: (RE)FCC PART 15 CLASS B Power: DC 21.6V Humidity: 43 %

Mode: 802.11b 2412MHz

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		56.1900	27.85	-11.94	15.91	40.00	-24.09	QP			
2		104.6900	27.77	-12.29	15.48	43.50	-28.02	QP			
3		159.9800	42.13	-14.72	27.41	43.50	-16.09	QP			
4		320.0300	32.78	-7.93	24.85	46.00	-21.15	QP			
5		640.1300	30.08	-1.76	28.32	46.00	-17.68	QP			
6	*	878.7500	29.96	1.64	31.60	46.00	-14.40	QP			

*:Maximum data x:Over limit l:over margin Operator: CTR



Site 3m Chamber 1#
Limit: (RE)FCC PART 15 CLASS B
Mode: 802.11b 2437MHz
Note:

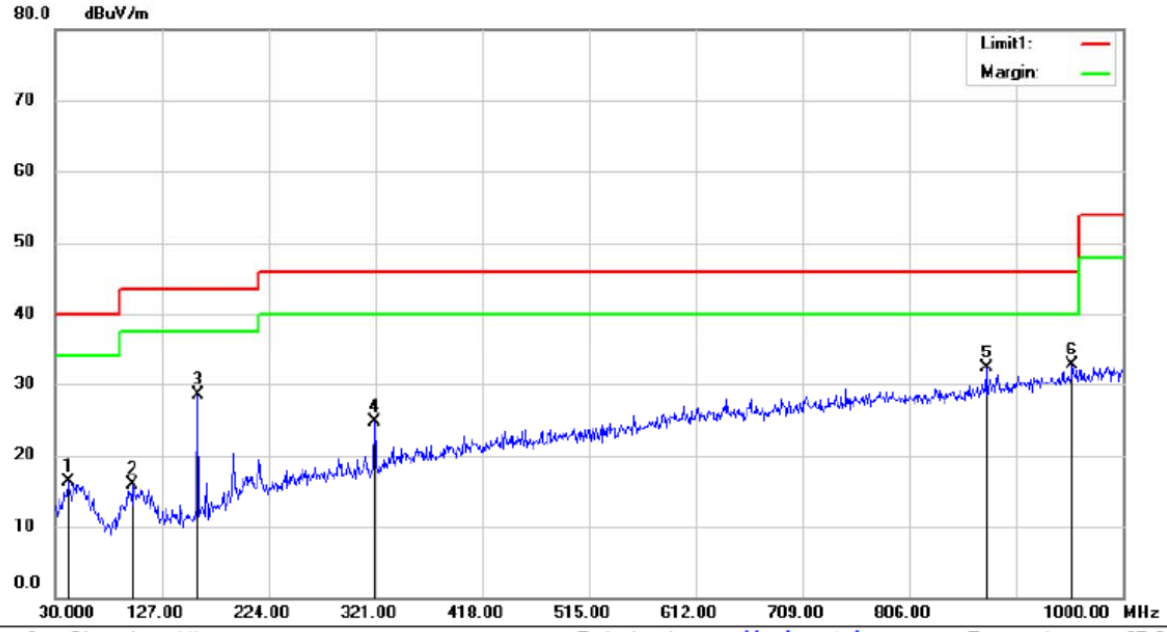
Polarization: *Vertical*
Power: DC 21.6V

Temperature: 27 C
Humidity: 43 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		51.3400	28.07	-11.17	16.90	40.00	-23.10	QP			
2		79.4700	37.01	-16.87	20.14	40.00	-19.86	QP			
3		95.9600	30.40	-13.28	17.12	43.50	-26.38	QP			
4	*	159.9800	48.22	-14.72	33.50	43.50	-10.00	QP			
5		480.0800	32.33	-5.03	27.30	46.00	-18.70	QP			
6		946.6500	29.97	2.90	32.87	46.00	-13.13	QP			

*:Maximum data x:Over limit !:over margin

Operator: CTR



Site 3m Chamber 1# Polarization: *Horizontal* Temperature: 27 C

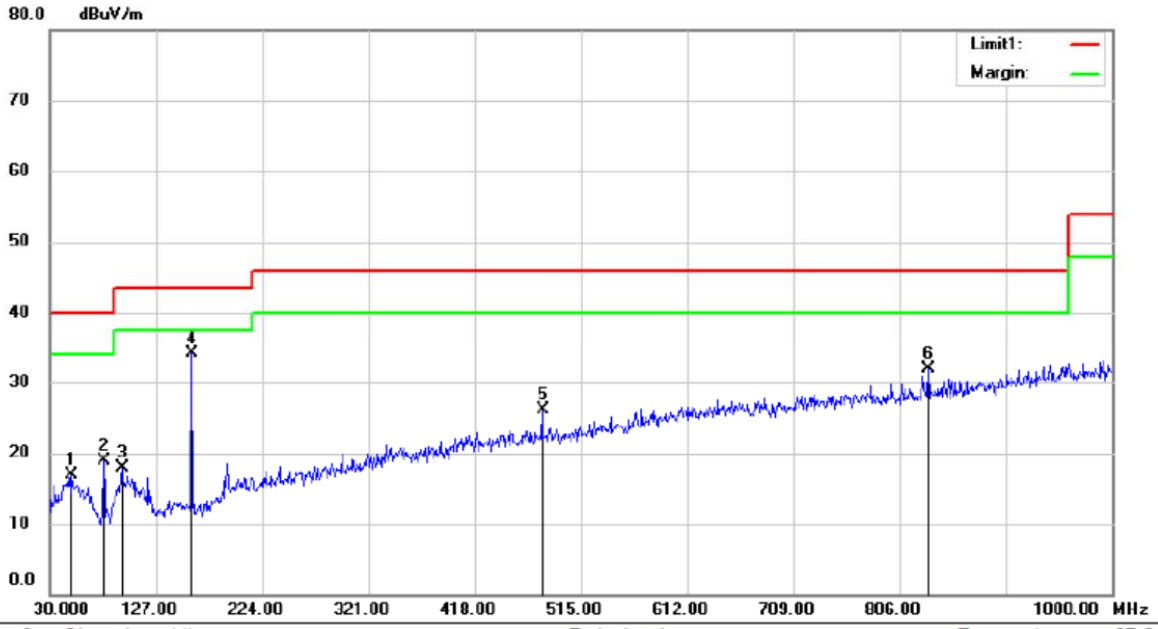
Limit: (RE)FCC PART 15 CLASS B Power: DC 21.6V Humidity: 43 %

Mode: 802.11b 2437MHz

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		41.6400	28.00	-11.74	16.26	40.00	-23.74	QP			
2		100.8100	28.48	-12.59	15.89	43.50	-27.61	QP			
3		159.9800	43.31	-14.72	28.59	43.50	-14.91	QP			
4		320.0300	32.57	-7.93	24.64	46.00	-21.36	QP			
5		875.8400	30.73	1.57	32.30	46.00	-13.70	QP			
6	*	954.4100	29.65	3.06	32.71	46.00	-13.29	QP			

*:Maximum data x:Over limit !:over margin Operator: CTR



Site 3m Chamber 1# Polarization: *Vertical* Temperature: 27 C

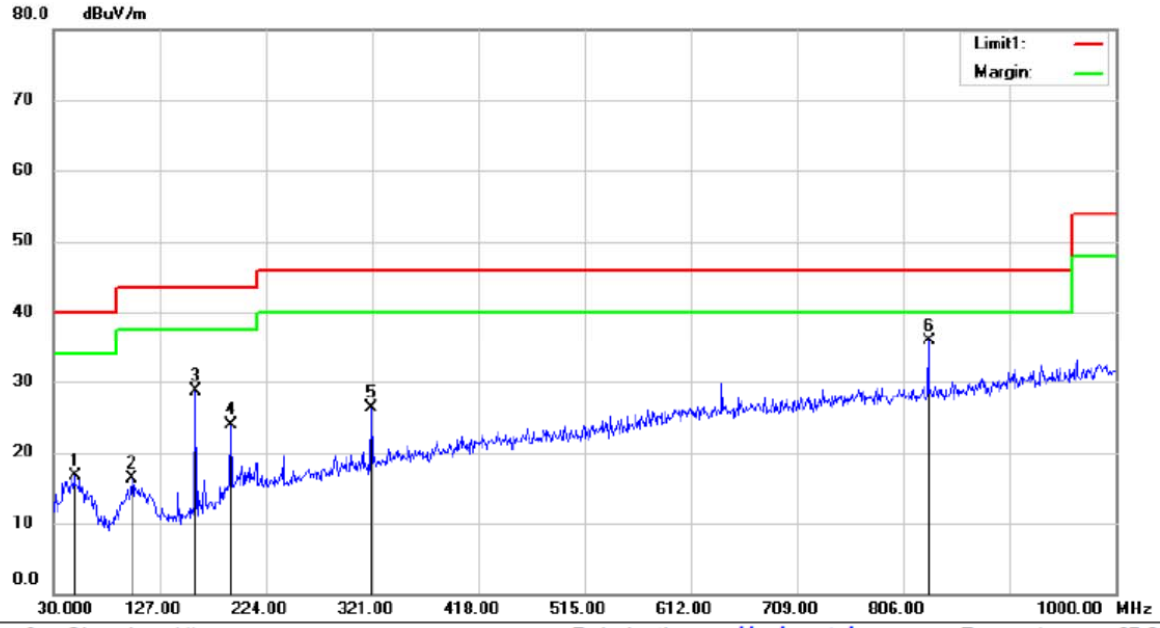
Limit: (RE)FCC PART 15 CLASS B Power: DC 21.6V Humidity: 43 %

Mode: 802.11b 2462MHz

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		50.3700	28.10	-11.24	16.86	40.00	-23.14	QP			
2		79.4700	35.82	-16.87	18.95	40.00	-21.05	QP			
3		95.9600	31.16	-13.28	17.88	43.50	-25.62	QP			
4	*	159.9800	48.73	-14.72	34.01	43.50	-9.49	QP			
5		480.0800	31.10	-5.03	26.07	46.00	-19.93	QP			
6		832.1900	31.29	0.62	31.91	46.00	-14.09	QP			

*:Maximum data x:Over limit !:over margin Operator: CTR



Site 3m Chamber 1#
Polarization: *Horizontal*
Temperature: 27 C

Limit: (RE)FCC PART 15 CLASS B
Power: DC 21.6V
Humidity: 43 %

Mode: 802.11b 2462MHz

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		49.4000	27.95	-11.24	16.71	40.00	-23.29	QP			
2		101.7800	28.84	-12.50	16.34	43.50	-27.16	QP			
3		159.9800	43.45	-14.72	28.73	43.50	-14.77	QP			
4		191.9900	36.19	-12.21	23.98	43.50	-19.52	QP			
5		320.0300	34.15	-7.93	26.22	46.00	-19.78	QP			
6	*	829.2800	35.36	0.56	35.92	46.00	-10.08	QP			

*:Maximum data x:Over limit l:over margin

Operator: CTR

8.6 CONDUCTED EMISSIONS TEST

8.6.1 Applicable Standard

According to FCC Part 15.207(a)

8.6.2 Conformance Limit

Conducted Emission Limit		
Frequency(MHz)	Quasi-peak	Average
0.15-0.5	66-56	56-46
0.5-5.0	56	46
5.0-30.0	60	50

Note: 1. The lower limit shall apply at the transition frequencies
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

8.6.3 Test Configuration

Test according to clause 7.3conducted emission test setup

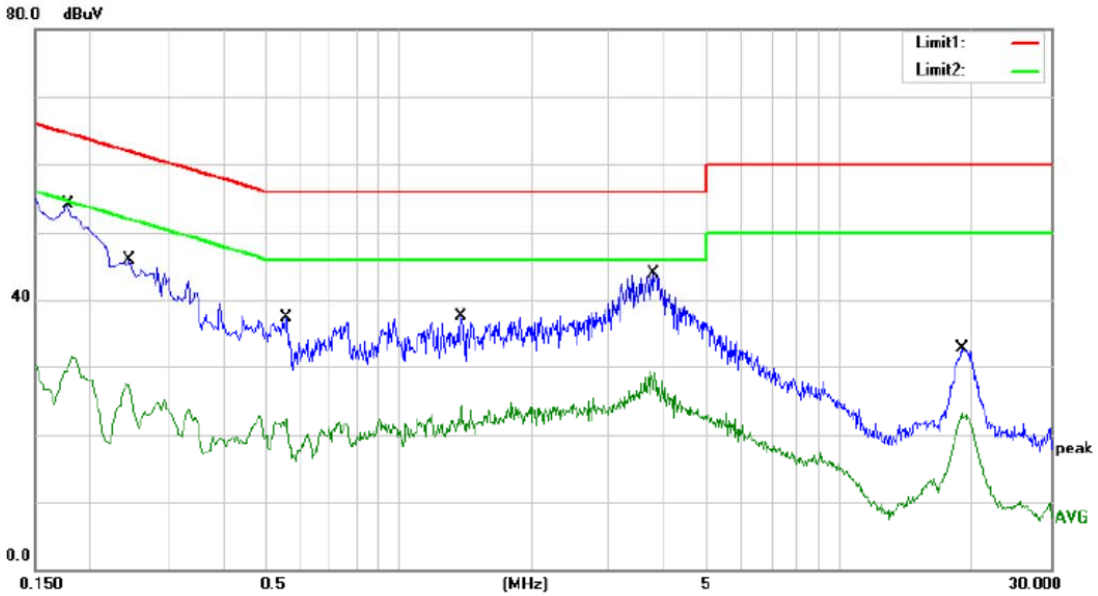
8.6.4 Test Procedure

The EUT was placed on a table which is 0.8m above ground plane.
Maximum procedure was performed on the highest emissions to ensure EUT compliance.
Repeat above procedures until all frequency measured were complete.

8.6.5 Test Results

Pass
According to the manufacturer, When the EUT is charging, the wifi function will be off

For Model Number: PURE ONE S12



Site Conduction #1 Phase: L1 Temperature: 24.9

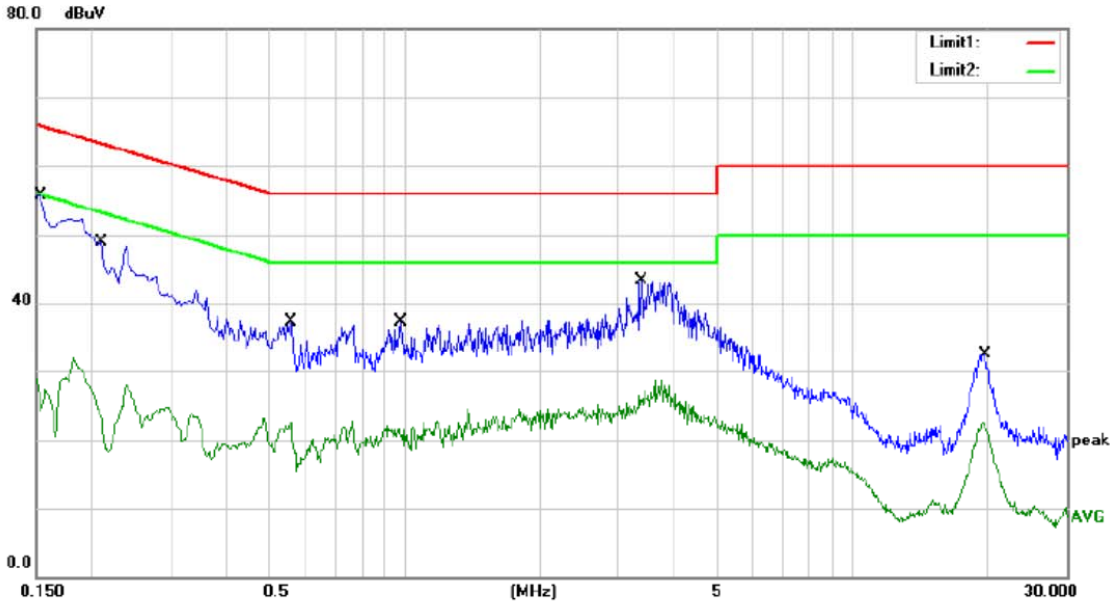
Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 54 %

Mode: Charging

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1780	44.59	9.55	54.14	64.58	-10.44	QP	
2		0.1780	21.88	9.55	31.43	54.58	-23.15	AVG	
3		0.2481	35.24	9.55	44.79	61.82	-17.03	QP	
4		0.2481	17.90	9.55	27.45	51.82	-24.37	AVG	
5		0.5580	27.66	9.57	37.23	56.00	-18.77	QP	
6		0.5580	13.16	9.57	22.73	46.00	-23.27	AVG	
7		1.3860	27.92	9.59	37.51	56.00	-18.49	QP	
8		1.3860	14.79	9.59	24.38	46.00	-21.62	AVG	
9		3.7860	34.19	9.63	43.82	56.00	-12.18	QP	
10		3.7860	19.73	9.63	29.36	46.00	-16.64	AVG	
11		18.9060	22.35	10.25	32.60	60.00	-27.40	QP	
12		18.9060	12.77	10.25	23.02	50.00	-26.98	AVG	

*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: WAP



Site Conduction #1 Phase: N Temperature: 24.9

Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 54 %

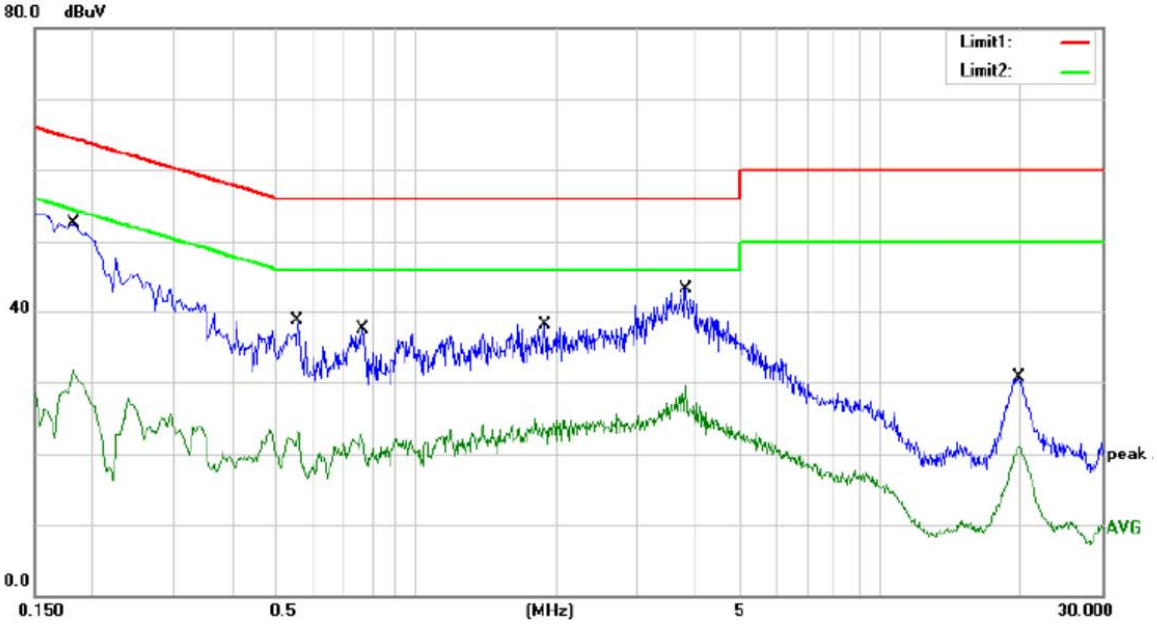
Mode: Charging

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1540	46.03	9.65	55.68	65.78	-10.10	QP	
2		0.1540	22.23	9.65	31.88	55.78	-23.90	AVG	
3		0.2100	39.25	9.55	48.80	63.21	-14.41	QP	
4		0.2100	18.61	9.55	28.16	53.21	-25.05	AVG	
5		0.5580	27.78	9.57	37.35	56.00	-18.65	QP	
6		0.5580	14.07	9.57	23.64	46.00	-22.36	AVG	
7		0.9820	27.68	9.58	37.26	56.00	-18.74	QP	
8		0.9820	13.10	9.58	22.68	46.00	-23.32	AVG	
9		3.3700	33.73	9.62	43.35	56.00	-12.65	QP	
10		3.3700	19.16	9.62	28.78	46.00	-17.22	AVG	
11		19.7940	22.09	10.32	32.41	60.00	-27.59	QP	
12		19.7940	12.19	10.32	22.51	50.00	-27.49	AVG	

*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: WAP

For Model Number: PURE ONE S12 M



Site Conduction #1 Phase: N Temperature: 24.9

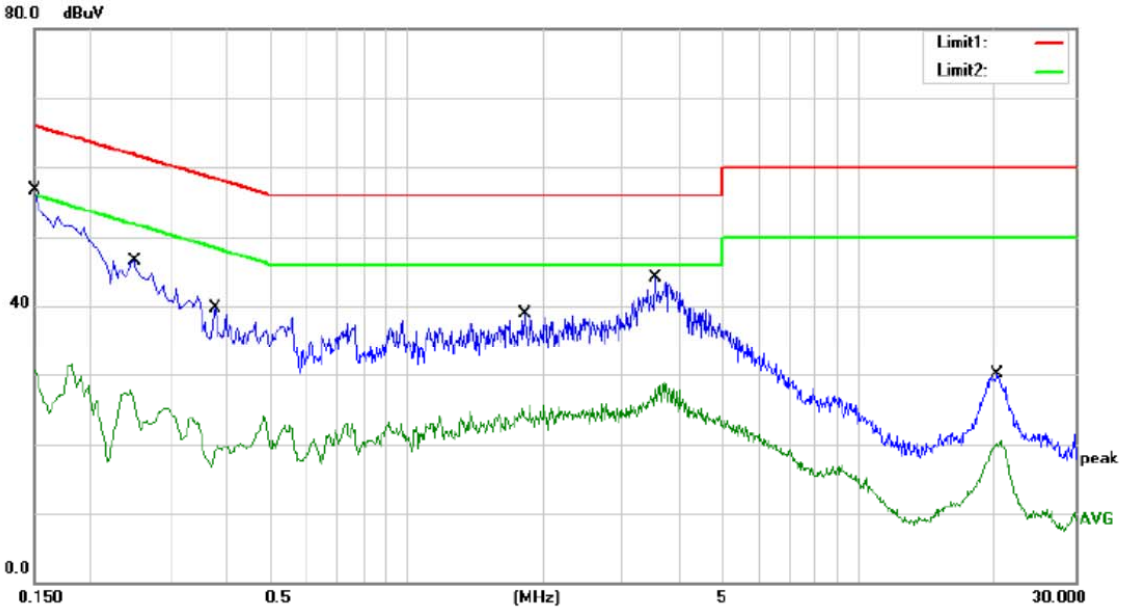
Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 54 %

Mode: Charging

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1820	43.02	9.55	52.57	64.39	-11.82	QP	
2		0.1820	22.06	9.55	31.61	54.39	-22.78	AVG	
3		0.5540	29.12	9.57	38.69	56.00	-17.31	QP	
4		0.5540	13.65	9.57	23.22	46.00	-22.78	AVG	
5		0.7660	27.86	9.57	37.43	56.00	-18.57	QP	
6		0.7660	13.22	9.57	22.79	46.00	-23.21	AVG	
7		1.8940	28.44	9.59	38.03	56.00	-17.97	QP	
8		1.8940	15.38	9.59	24.97	46.00	-21.03	AVG	
9		3.8180	33.51	9.63	43.14	56.00	-12.86	QP	
10		3.8180	19.89	9.63	29.52	46.00	-16.48	AVG	
11		19.9100	20.47	10.33	30.80	60.00	-29.20	QP	
12		19.9100	10.57	10.33	20.90	50.00	-29.10	AVG	

*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: WAP



Site Conduction #1 Phase: *L1* Temperature: 24.9

Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 54 %

Mode: Charging

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1500	47.10	9.67	56.77	66.00	-9.23	QP	
2		0.1500	21.85	9.67	31.52	56.00	-24.48	AVG	
3		0.2500	36.93	9.55	46.48	61.76	-15.28	QP	
4		0.2500	18.06	9.55	27.61	51.76	-24.15	AVG	
5		0.3780	30.21	9.56	39.77	58.32	-18.55	QP	
6		0.3780	14.48	9.56	24.04	48.32	-24.28	AVG	
7		1.8220	29.37	9.59	38.96	56.00	-17.04	QP	
8		1.8220	15.97	9.59	25.56	46.00	-20.44	AVG	
9		3.5340	34.50	9.63	44.13	56.00	-11.87	QP	
10		3.5340	19.19	9.63	28.82	46.00	-17.18	AVG	
11		20.2140	19.83	10.34	30.17	60.00	-29.83	QP	
12		20.2140	10.08	10.34	20.42	50.00	-29.58	AVG	

*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: WAP

8.7 ANTENNA APPLICATION

8.7.1 Antenna Requirement

Standard	Requirement
FCC CRF Part15.203	An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217,§15.219, or §15.221. Further, this requirement does not apply to intentionalradiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

8.7.2 Result

The EUT'S antenna is FPC antenna. The antenna's gain is 2 dBi, and the antenna can't be replaced by the user which in accordance to section 15.203, please refer to the photos.