REPORT No.: SZ25020203W01

TEST REPORT

APPLICANT	:	Wuxi iData Technology Co., Ltd.
PRODUCT NAME	:	Desktop RFID Reader-writer
MODEL NAME	:	Refer to section 1.2
BRAND NAME	:	iData
FCC ID	:	2ADE3IDATAA500
STANDARD(S)	:	47 CFR Part 15 Subpart C
RECEIPT DATE	:	2025-02-24
TEST DATE	:	2025-03-25 to 2025-05-07
ISSUE DATE	:	2025-05-07

Edited by: Zeng Xiaoying (Rapporteur)

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DIRECTORY

Change History		
Version	**Date**	**Reason for change**
1.0	2025-05-07	First edition

1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Wuxi iData Technology Co., Ltd.
Applicant Address:	Floor 11, Building B1, No.999 Gaolang East Road, Wuxi City, China
Manufacturer:	Wuxi iData Technology Co., Ltd.
Manufacturer Address:	Floor 11, Building B1, No.999 Gaolang East Road, Wuxi City, P.R.C.

1.2. Equipment Under Test (EUT) Description

Product Name:	Desktop RFID Reader-writer
Model Name:	iData A500, A500, A501, A502, A503, A505, A506, A507, A508, A509, A510, A511, A512, A500-01, A500-02, A500-03, A500-05, A500-06, A500-07, A500-08, A500-09, A500-10, A500-11, A500-12, A500S, A501S, A502S, A503S, A505S, A506S, A507S, A508S, A509S, A510S, A511S, A512S, A500 plus, A501 plus, A502 plus, A503 plus, A505 plus, A506 plus, A507 plus, A508 plus, A509 plus, A510 plus, A511 plus, A512 plus, A500E, A501E, A502E, A503E, A505E, A506E, A507SE, A508E, A509E, A510E, A511E, A512E, A510a, A510b, A510c, A510d, A510f, A510g, A510h, A510i, A510j, A510k, A510m, A510n, A510p, A520a, A520b, A520c, A520d, A520f, A520g, A520h, A520i, A520j, A520k, A520m, A520n, A520p, A530a, A530b, A530c, A530d, A530f, A530g, A530h, A530i, A530j, A530k, A530m, A530n, A530p
Sample No.:	2#, 5#
Hardware Version:	V1.1
Software Version:	V01.03
Operating Frequency Range:	920.75MHz-927.25MHz
Channel Number:	50
Antenna Type:	Near Field Antenna

Antenna Gain:	-15.00dBi	
Accessory Information:	AC Adapter 1	
	Brand Name:	NA
	Model No.:	TPQ-228F120200VW01
	Serial No.:	N/A
	Rated Output:	12V⎓2A
	Rated Input:	100-240V~50/60Hz, 0.8A
	Manufacturer:	Shenzhen Tianyin Electronics Co.. Ltd.
	AC Adapter 2	
	Brand Name:	NA
	Model No.:	TPQ-228F120200UW01
	Serial No.:	N/A
	Rated Output:	12V⎓2A
	Rated Input:	100-240V~50/60Hz, 0.8A
	Manufacturer:	Shenzhen Tianyin Electronics Co.. Ltd.

Note 1: According to the certificate holder, they declared that the models iData A500, A500, A501, A502, A503, A505, A506, A507, A508, A509, A510, A511, A512, A500-01, A500-02, A500-03, A500-05, A500-06, A500-07, A500-08, A500-09, A500-10, A500-11, A500-12, A500S, A501S, A502S, A503S, A505S, A506S, A507S, A508S, A509S, A510S, A511S, A512S, A500 plus, A501 plus, A502 plus, A503 plus, A505 plus, A506 plus, A507 plus, A508 plus, A509 plus, A510 plus, A511 plus, A512 plus, A500E, A501E, A502E, A503E, A505E, A506E, A507SE, A508E, A509E, A510E, A511E, A512E, A510a, A510b, A510c, A510d, A510f, A510g, A510h, A510i, A510j, A510k, A510m, A510n, A510p, A520a, A520b, A520c, A520d, A520f, A520g, A520h, A520i, A520j, A520k, A520m, A520n, A520p, A530a, A530b, A530c, A530d, A530f, A530g, A530h, A530i, A530j, A530k, A530m, A530n, A530p only the model names are different, their electrical circuit design, layout, components used and internal wiring are identical. No other changes. The main measuring model is iData A500, only the results for iData A500 were recorded in this report.

Note 2: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

1.3. The Channel Number and Frequency

Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)
1	**902.75**	14	909.25	27	915.75	40	922.25
2	903.25	15	909.75	28	916.25	41	922.75
3	903.75	16	910.25	29	916.75	42	923.25
4	904.25	17	910.75	30	917.25	43	923.75
5	904.75	18	911.25	31	917.75	44	924.25
6	905.25	19	911.75	32	918.25	45	924.75
7	905.75	20	912.25	33	918.75	46	925.25
8	906.25	21	912.75	34	919.25	47	925.75
9	906.75	22	913.25	35	919.75	48	926.25
10	907.25	23	913.75	36	920.25	49	926.75
11	907.75	24	914.25	37	920.75	**50**	**927.25**
12	908.25	**25**	**914.75**	38	921.25		
13	908.75	26	915.25	39	921.75		

Note 1: The black bold channels were selected for test.

1.4. Test Standards and Results

The objective of the report is to perform testing according to 47 CFR Part 15 Subpart C for the EUT FCC ID Certification:

No.	Identity	Document Title
1	47 CFR Part 15	Radio Frequency Devices

Test detailed items/section required by FCC rules and results are as below:

No.	Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
1	15.203	Antenna Requirement	N/A	N/A	PASS	No deviation
2	15.215	Bandwidth	Apr. 08, 2025	Lin Haoyang	PASS	No deviation
3	15.207	Conducted Emission	May. 07, 2025	Fan Shengquan	PASS	No deviation
4	15.249	Field strength	Mar. 25, 2025	Tian Xin	PASS	No deviation
5	15.209, 15.249	Radiated Emission and field strength of harmonics	Apr. 17, 2025	Tian Xin	PASS	No deviation

Note 1: The tests were performed according to the method of measurements prescribed in ANSIC63.10-2013.

Note 2: Additions to, deviation, or exclusions from the method shall be judged in the "method determination" column of add, deviate or exclude from the specific method shall be explained in the "Remark" of the above table.

Note 3: When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% confidence intervals.

1.5. Environmental Conditions

During the measurement, the environmental conditions were within the listed ranges:

Temperature (°C):	15-35
Relative Humidity (%):	30-60
Atmospheric Pressure (kPa):	86-106

2. 47 CFR Part 15C Requirements

2.1. Antenna Requirement

2.1.1. Applicable Standard

According to FCC 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. 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.

2.1.2. Result: Compliant

The EUT has a permanently and irreplaceable attached antenna. Please refer to the EUT internal photos.

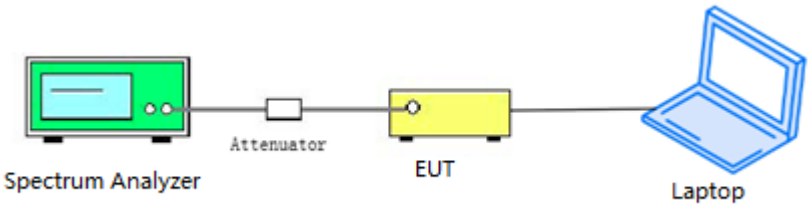
2.2. Bandwidth

2.2.1. Requirement

Refer to FCC 15.215

2.2.2. Test Description

Test Setup:



The EUT is coupled to the Spectrum Analyzer; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading.

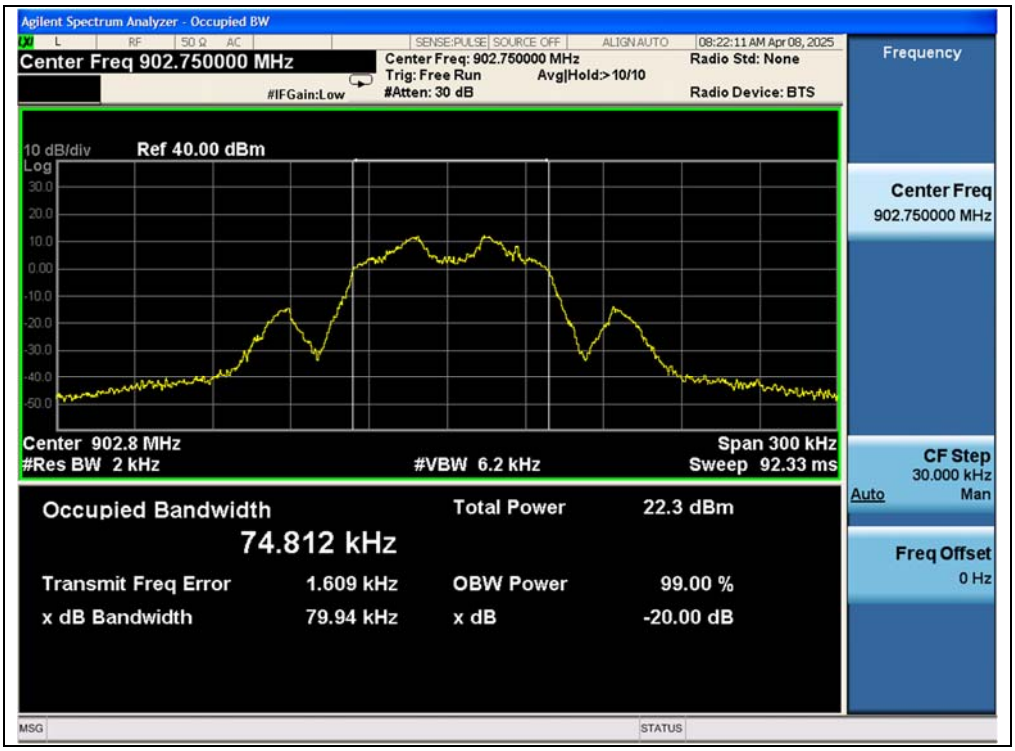
Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) in the range of 1% to 5% of the measured bandwidth and video bandwidth (VBW) shall be approximately three times RBW.

2.2.3. Test Result

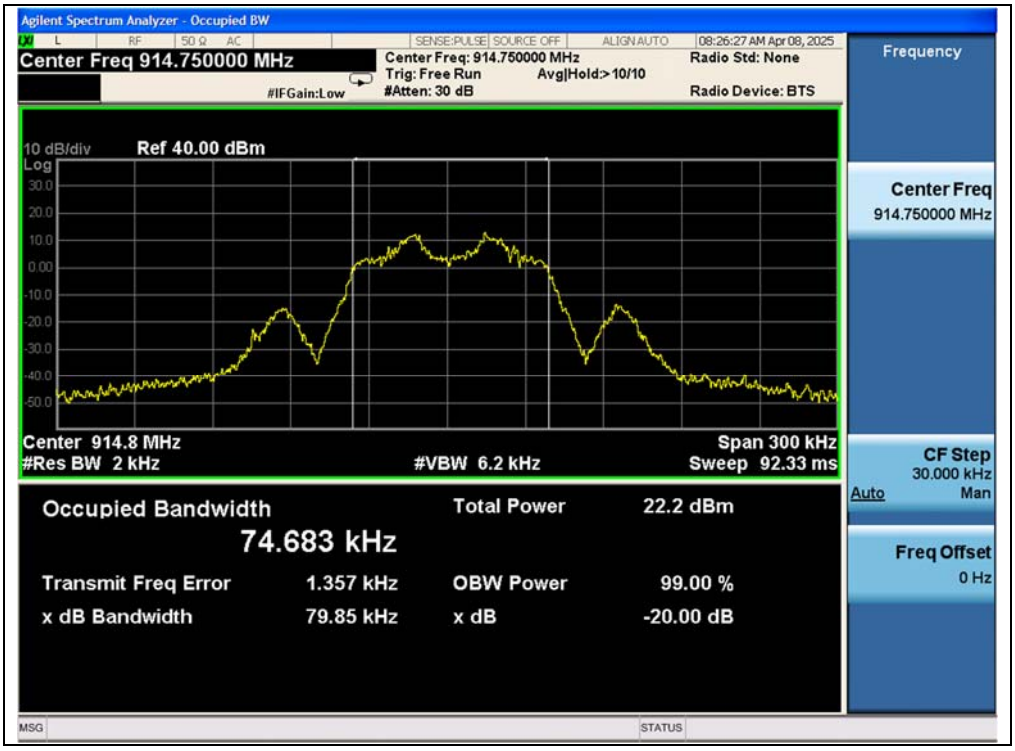
A.Test Verdict:

Channel	Frequency (MHz)	20 dB Bandwidth (kHz)	Result
1	902.75	79.94	PASS
25	914.75	79.85	PASS
50	927.25	81.03	PASS

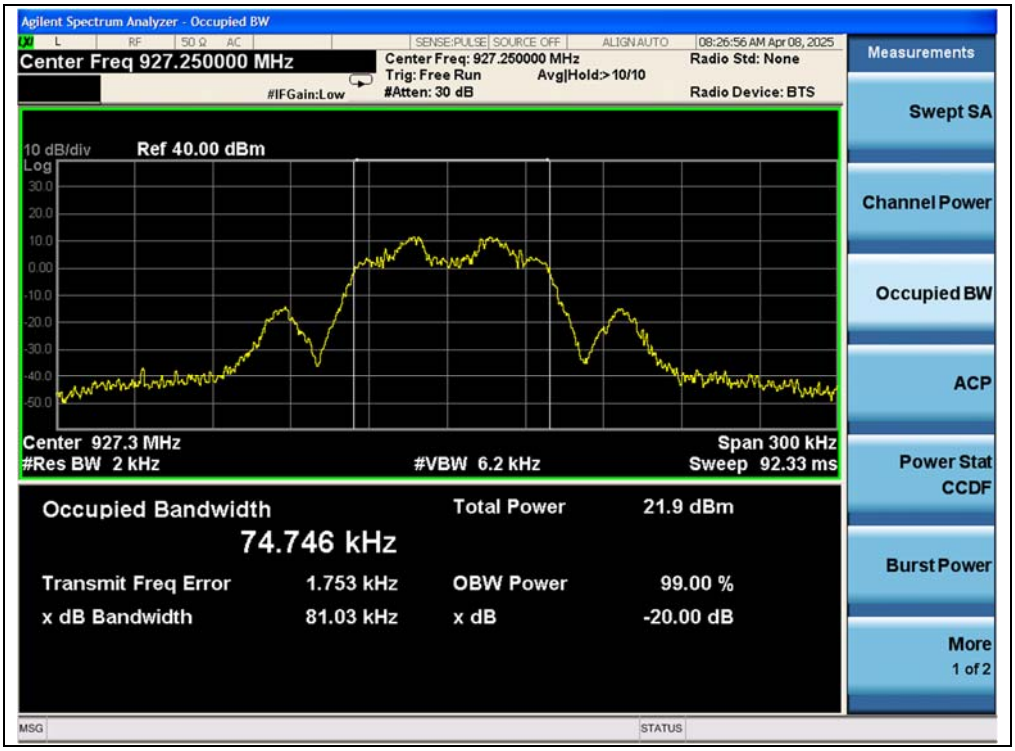
B.Test Plot:



(Channel 1, 902.75MHz)



(Channel 25, 914.75MHz)



(Channel 50, 927.25MHz)

2.3. Conducted Emission

2.3.1. Requirement

According to FCC section 15.207, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the band 150kHz to 30MHz shall not exceed the limits in the following table, as measured using a 50μH/50Ω line impedance stabilization network (LISN).

Frequency Range (MHz)	Conducted Limit (dBμV)	
	Quai-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
5 - 30	60	50

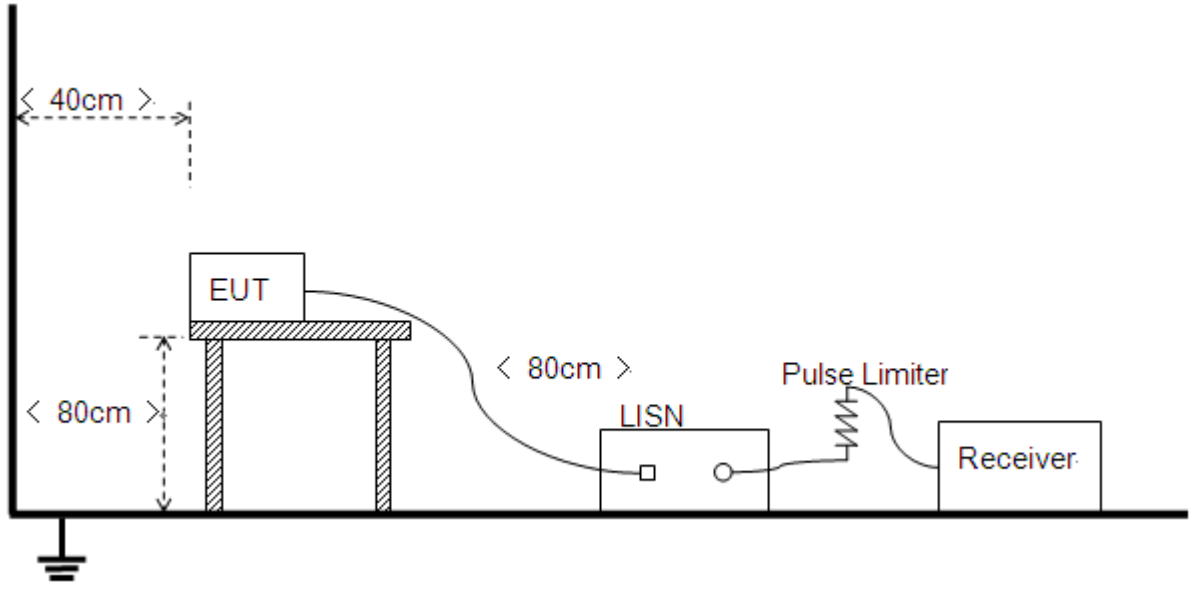
Note:

(a) The lower limit shall apply at the band edges.

(b) The limit decreases linearly with the logarithm of the frequency in the range 0.15 - 0.50MHz.

2.3.2. Test Description

Test Setup:



The Table-top EUT was placed upon a non-metallic table 0.8m above the horizontal metal reference ground plane. EUT was connected to LISN and LISN was connected to reference Ground Plane. EUT was 80cm from LISN. The set-up and test methods were according to ANSI C63.10: 2013.

2.3.1. Test Result

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Set RBW=9kHz, VBW=30kHz. Refer to recorded points and plots below.

Note: Both of the test voltage AC 120V/60Hz and AC 230V/50Hz were considered and tested respectively, only the results of the worst case AC 120V/60Hz were recorded in this report.

A.Test Setup:

Test Mode: EUT + Adapter + USB Cable + RJ45 Cable + PC + RFID Label + RFID TX

Test voltage: AC 120V/60Hz

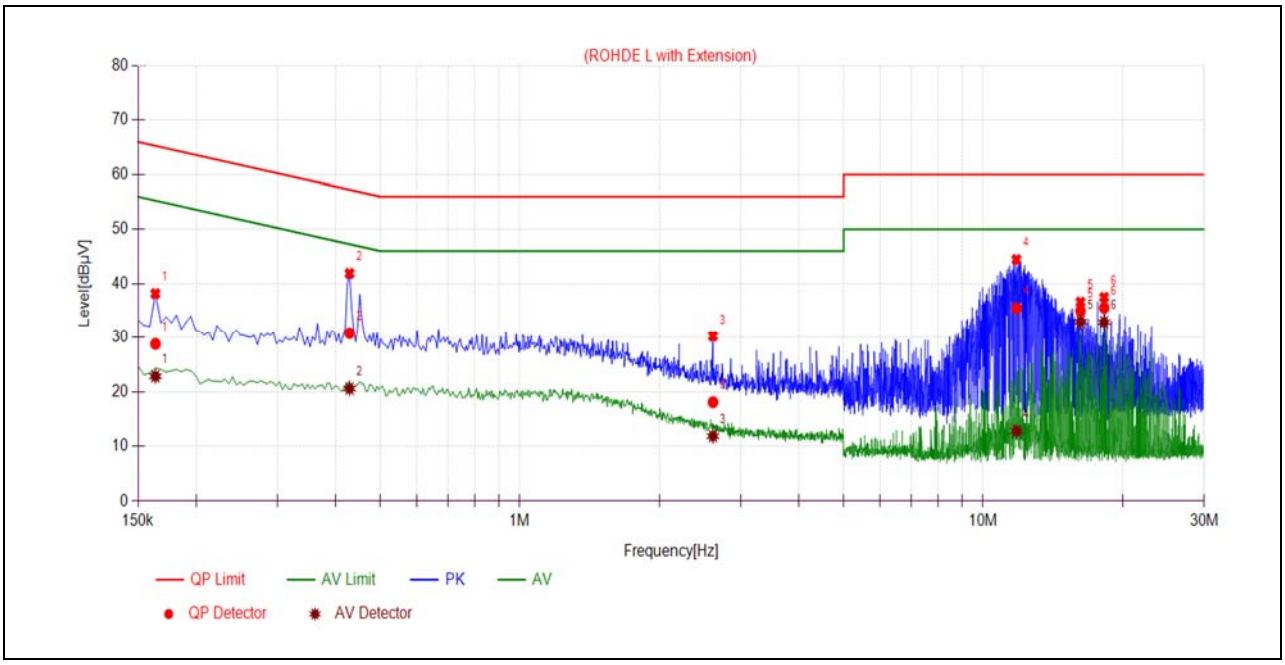
The measurement results are obtained as below:

$E\ [dB\mu V] = U_R + L_{Cable\ loss}\ [dB] + A_{Factor}$

U_R: Receiver Reading

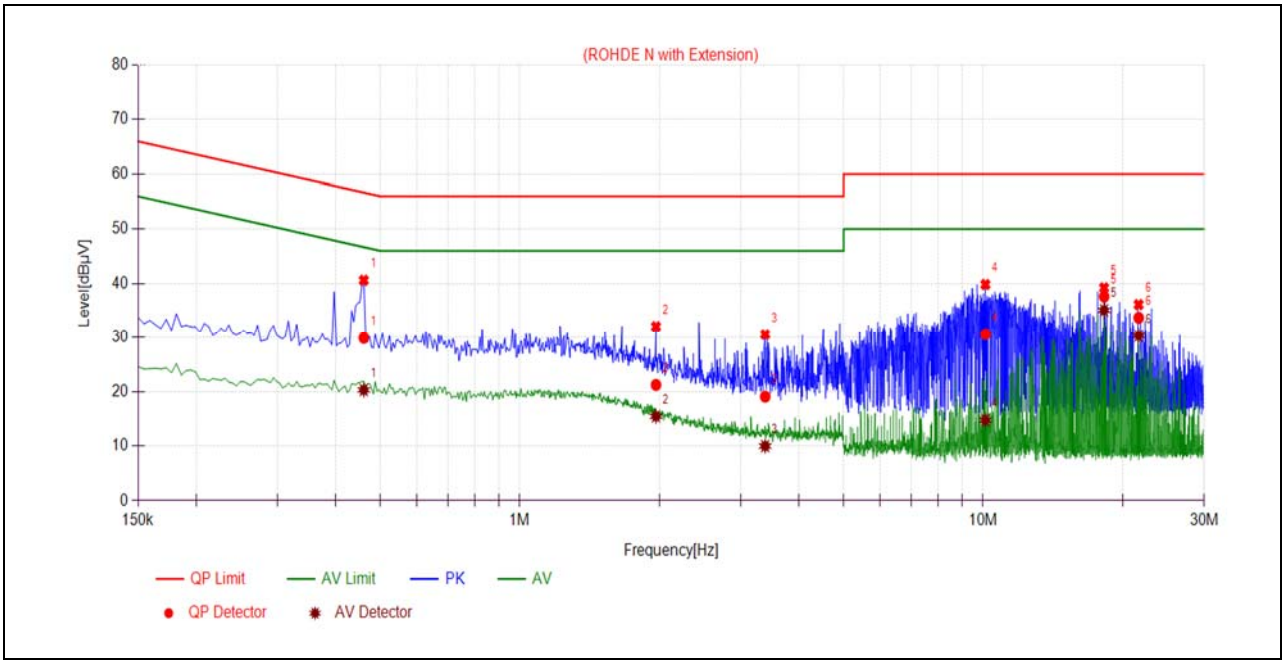
A_{Factor}: Voltage division factor of LISN

B.Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1635	28.78	22.82	65.28	55.28	Line	PASS
2	0.4290	30.81	20.55	57.27	47.27		PASS
3	2.6115	18.06	11.83	56.00	46.00		PASS
4	11.8060	35.46	12.77	60.00	50.00		PASS
5	16.2281	34.98	32.97	60.00	50.00		PASS
6	18.2440	35.55	32.91	60.00	50.00		PASS



(N Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.4605	29.91	20.27	56.68	46.68	Neutral	PASS
2	1.9679	21.21	15.42	56.00	46.00		PASS
3	3.3854	19.06	9.95	56.00	46.00		PASS
4	10.1171	30.62	14.72	60.00	50.00		PASS
5	18.2437	37.62	35.09	60.00	50.00		PASS
6	21.6623	33.72	30.33	60.00	50.00		PASS

2.4. Field Strength of Fundamental

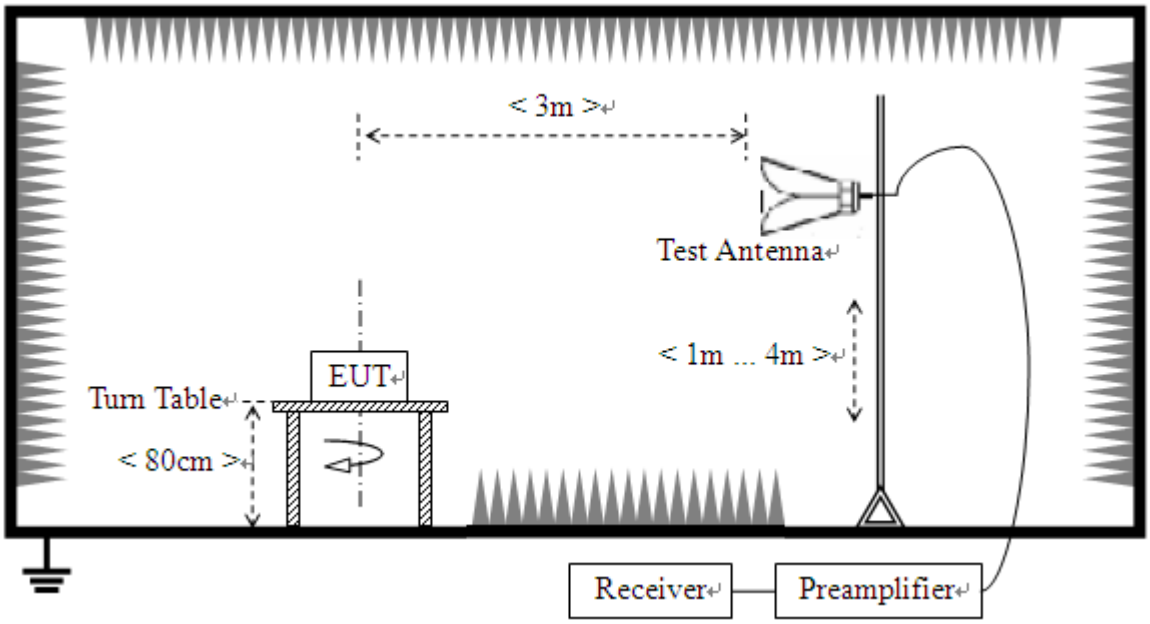
2.4.1. Requirement

According to FCC section 15.249(a), except as provided in paragraph (b) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

Fundamental frequency	Field strength of fundamental (millivolts/meter)	Field strength of harmonics (microvolts/meter)
902-928 MHz	50	500
2400-2483.5 MHz	50	500
5725-5875 MHz	50	500
24.0-24.25 GHz	250	2500

2.4.2. Test Description

Test Setup:



The EUT is located in a 3m Semi-Anechoic Chamber; the antenna factors, cable loss and so on of the site as factors are calculated to correct the reading.

For the Test Antenna:

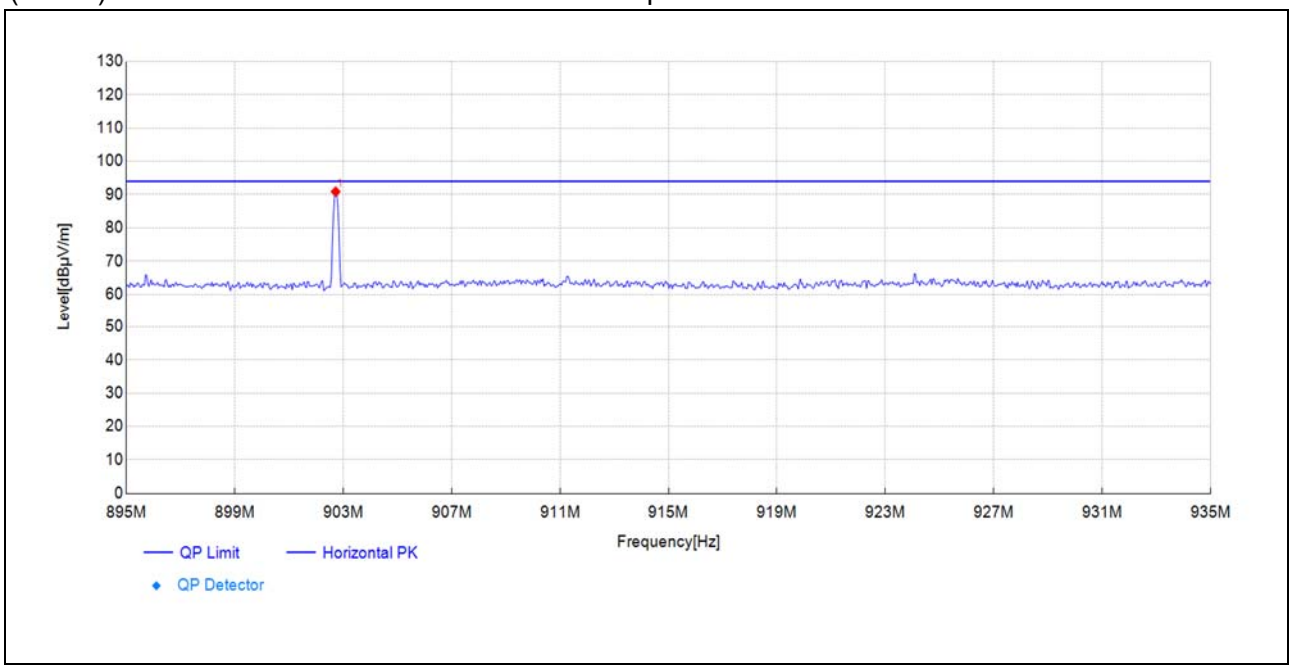
Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground to determine the maximum value of the field strength.

2.4.3. Test Procedure

Use the following spectrum analyzer settings:
Span = wide enough to fully capture the emission being measured
RBW = 120 kHz
VBW ≥ RBW
Sweep = auto
Detector function = peak
Trace = max hold

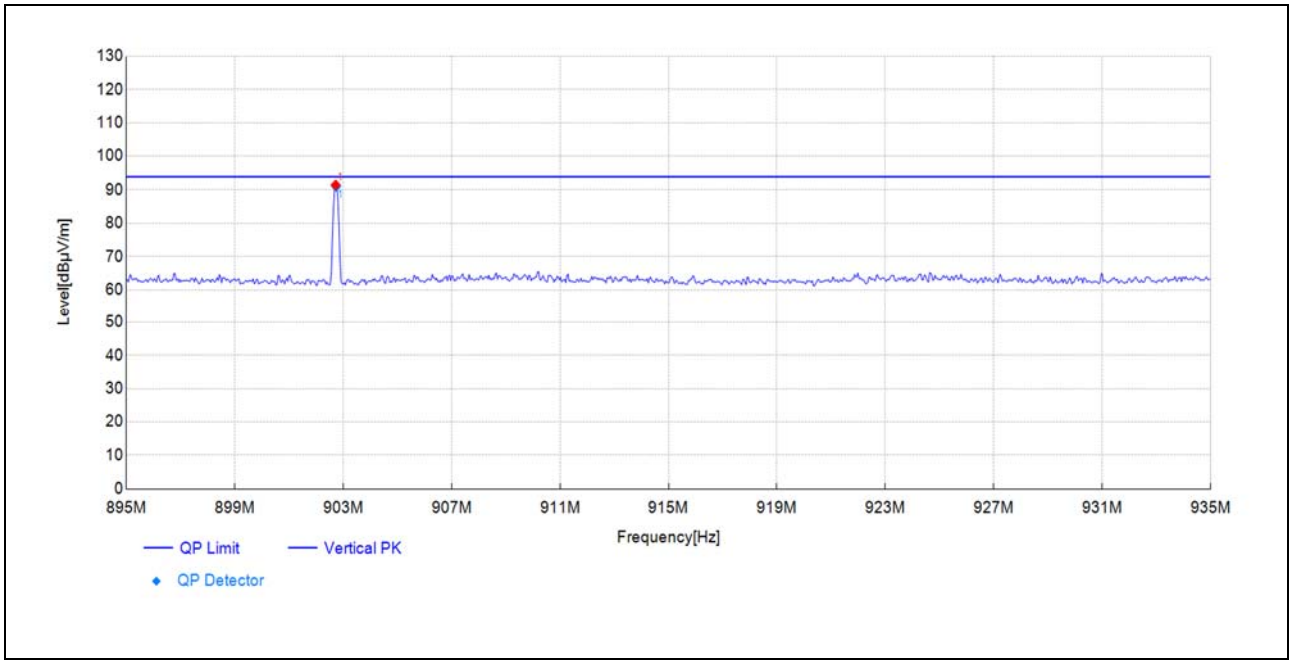
2.4.4. Test Result

Note1: All radiated emission tests were performed in X, Y, Z axis direction. And only the worst axis (Z axis) test condition was recorded in this test report.



(902.75MHz, Antenna Horizontal)

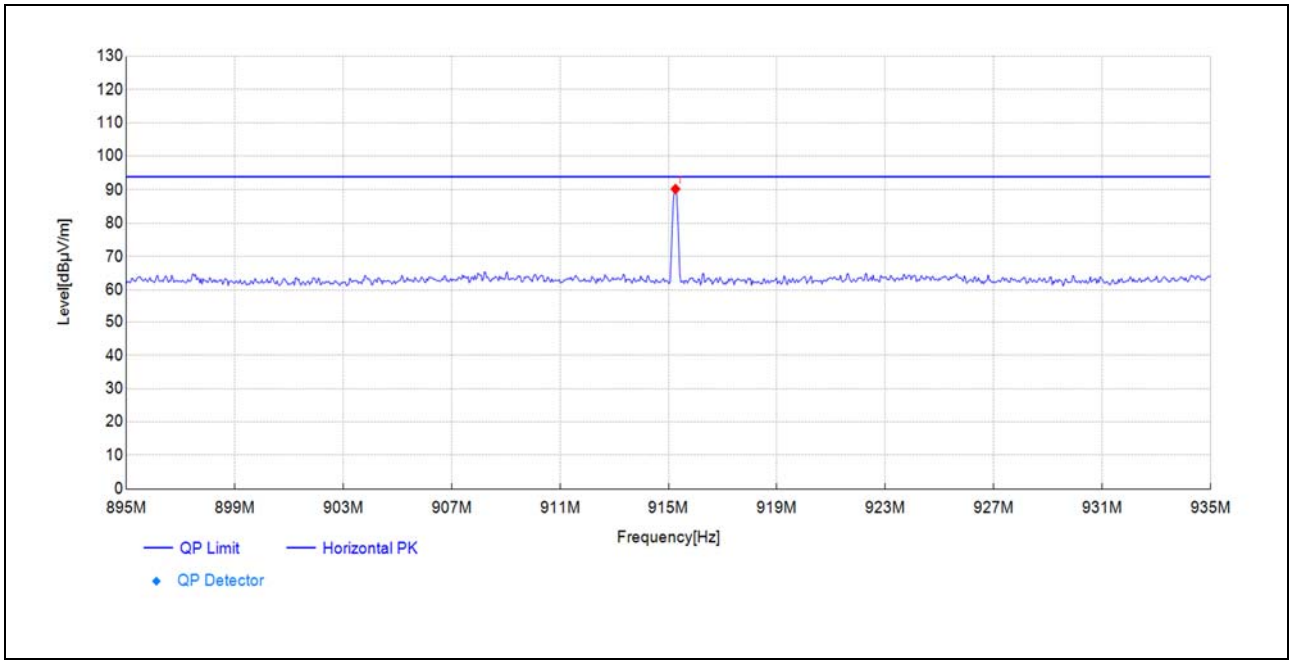
Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
902.73	65.0	90.89	25.920	93.98	3.09	150	112	PK	PASS



(902.75MHz, Antenna Vertical)

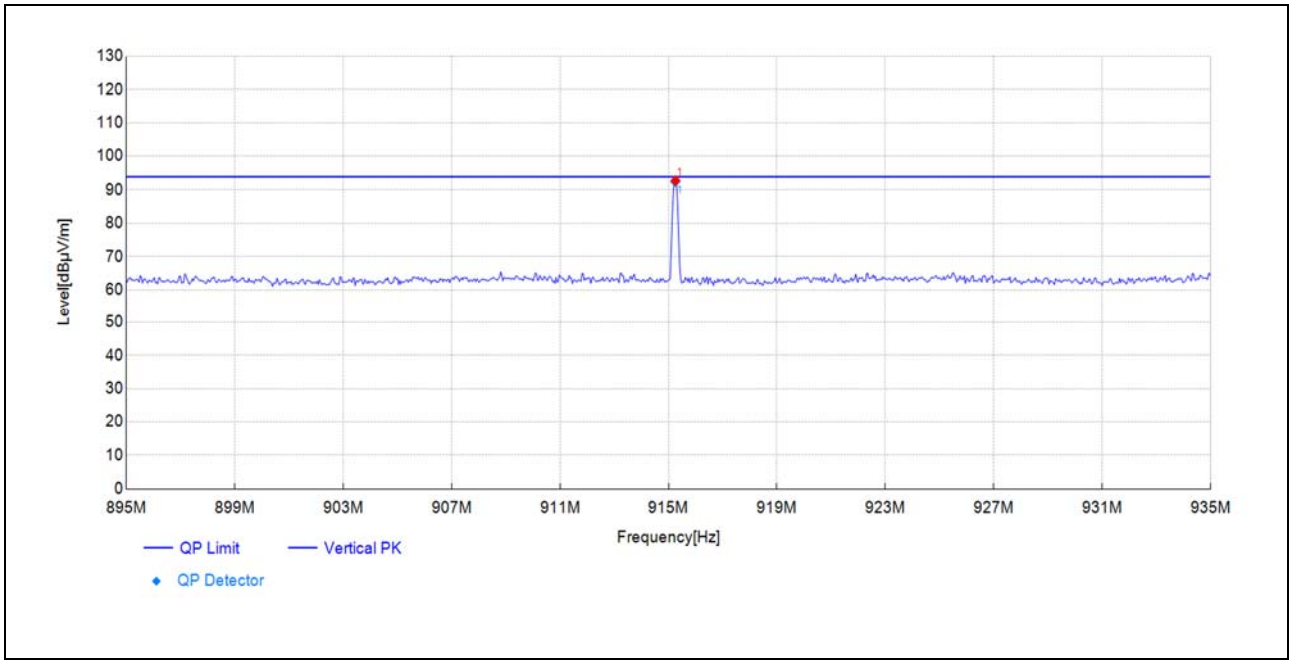
Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
902.73	65.6	91.54	25.920	93.98	2.44	150	66	PK	PASS

Fre. (MHz)	Factor [dB/m]	QP Reading [dBµV]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
902.75	25.92	65.18	91.10	93.98	2.88	150	66	QP	PASS



(915.25MHz, Antenna Horizontal)

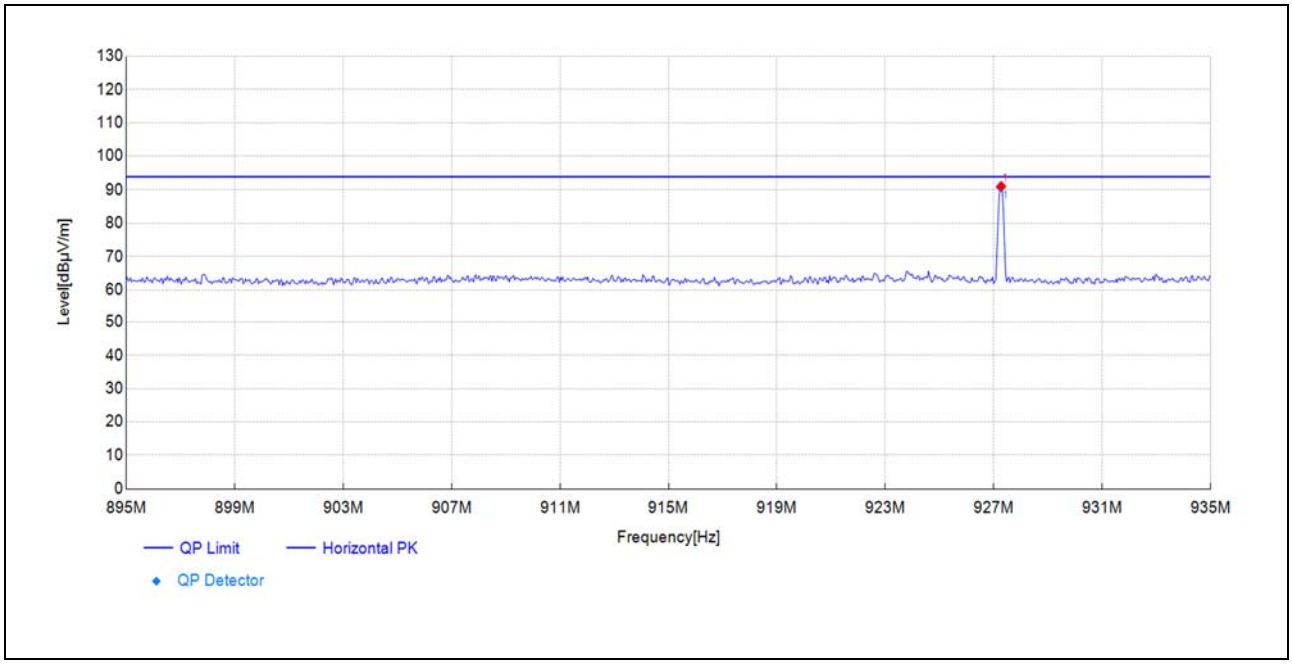
Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
915.26	64.3	90.31	25.970	93.98	3.67	150	46	PK	PASS



(915.25MHz, Antenna Vertical)

Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
915.26	66.9	92.85	25.970	93.98	1.13	150	66	PK	PASS

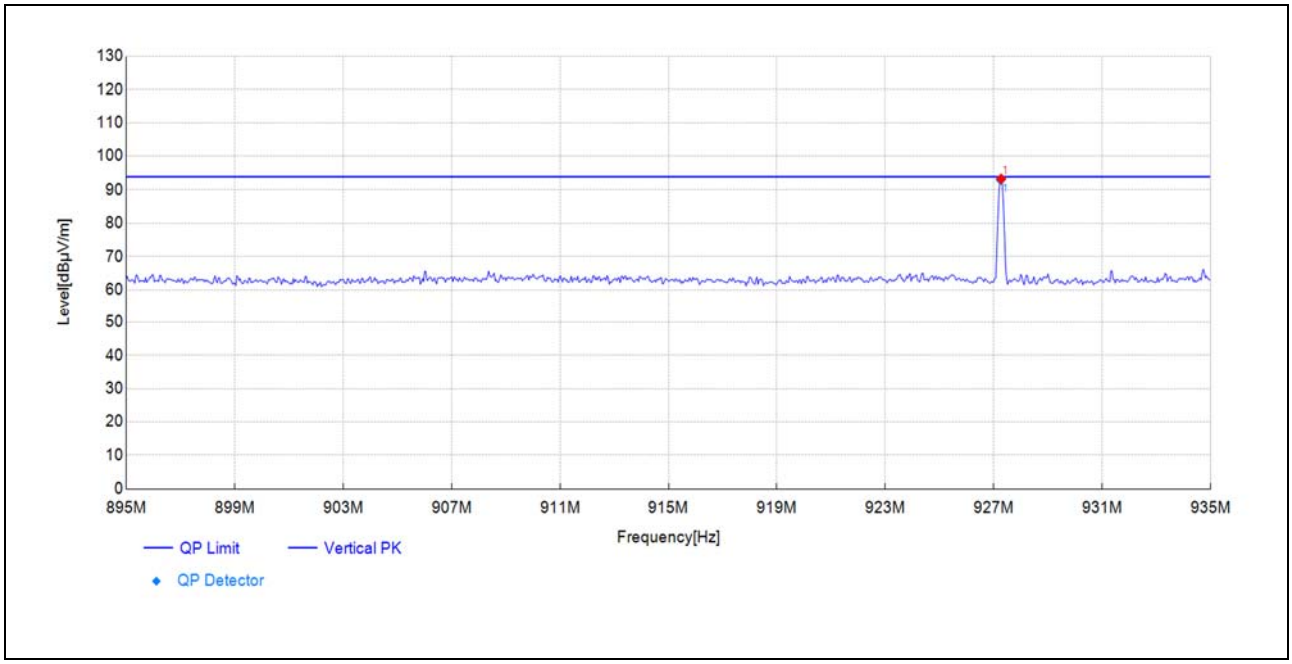
Fre. (MHz)	Factor [dB/m]	QP Reading [dBµV]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
915.25	25.97	66.57	92.54	93.98	1.44	150	66	QP	PASS



(927.25MHz, Antenna Horizontal)

Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
927.27	65.1	91.12	26.070	93.98	2.86	150	56	PK	PASS

Fre. (MHz)	Factor [dB/m]	QP Reading [dBµV]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
927.25	26.07	64.85	90.92	93.98	3.06	150	56	QP	PASS



(920.8MHz, Antenna Vertical)

Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
927.27	67.3	93.36	26.070	93.98	0.62	150	74	PK	PASS

Fre. (MHz)	Factor [dB/m]	QP Reading [dBµV]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
927.25	26.07	67.04	93.11	93.98	0.87	150	74	QP	PASS

2.5. Radiated Emission and Field Strength of Harmonics

2.5.1. Requirement

According to section 15.249(a), the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

Fundamental frequency	Field strength of fundamental (millivolts/meter)	Field strength of harmonics (microvolts/meter)
902-928 MHz	50	500
2400-2483.5 MHz	50	500
5725-5875 MHz	50	500
24.0-24.25 GHz	250	2500

According to section 15.249(d), Emission Radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50dB below the level of the fundamental or to the general radiated emission limits in Section 15.209:

Frequency (MHz)	Field Strength (μV/m)	Measurement Distance (m)	Field Strength Limitation at 3m Measurement Distance	
			(uV/m)	(dBuV/m)
0.009 - 0.490	2400/F(kHz)	300	10000* 2400/F(KHz)	20log 2400/F(KHz) + 80
0.490 - 1.705	24000/F(kHz)	30	100* 2400/F(KHz)	20log 2400/F(KHz) + 40
1.705 - 30.0	30	30	100*30	20log 30 + 40
30 - 88	100	3	100	20log 100
88 - 216	150	3	150	20log 150
216 - 960	200	3	200	20log 200
Above 960	500	3	500	20log 500

According to section 15.249(e), for frequencies above 1000MHz, the above field strength limits are based on average limits. 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.

Note:

1) The tighter limit shall apply at the boundary between two frequency range.

2) Limitation expressed in dBuV/m is calculated by 20log Emission Level(uV/m).

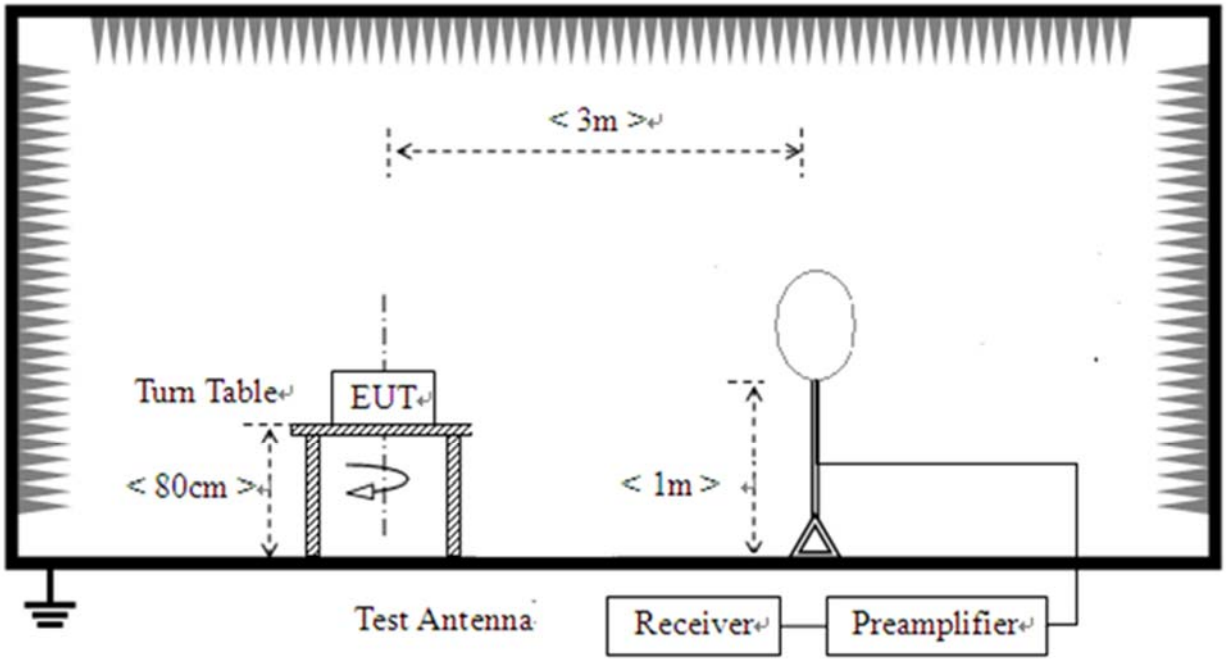
3) If measurement is made at 3m distance, then F.S Limitation at 3m distance is adjusted by using the formula of Ld1 = Ld2 * $(d2/d1)^2$.

Example: F.S Limit at 30m distance is 30uV/m, then F.S Limitation at 3m distance is adjusted as Ld1 = L1 = 30uV/m * $(10)^2$ = 100 * 30uV/m

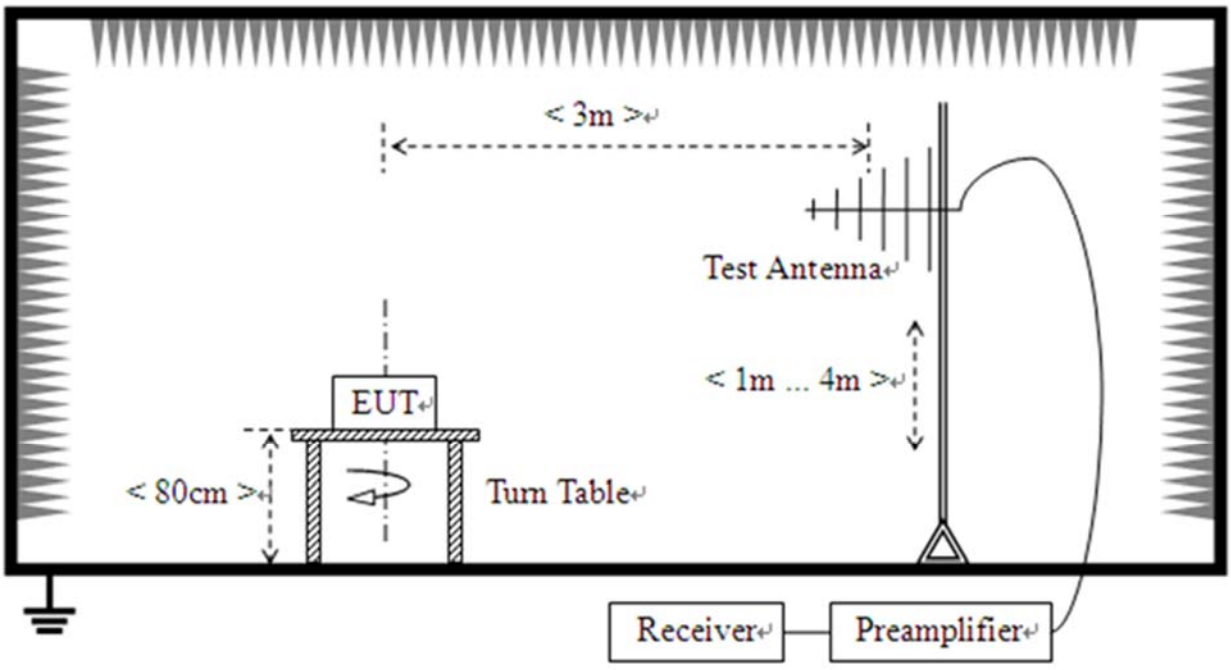
2.5.2. Test Description

Test Setup:

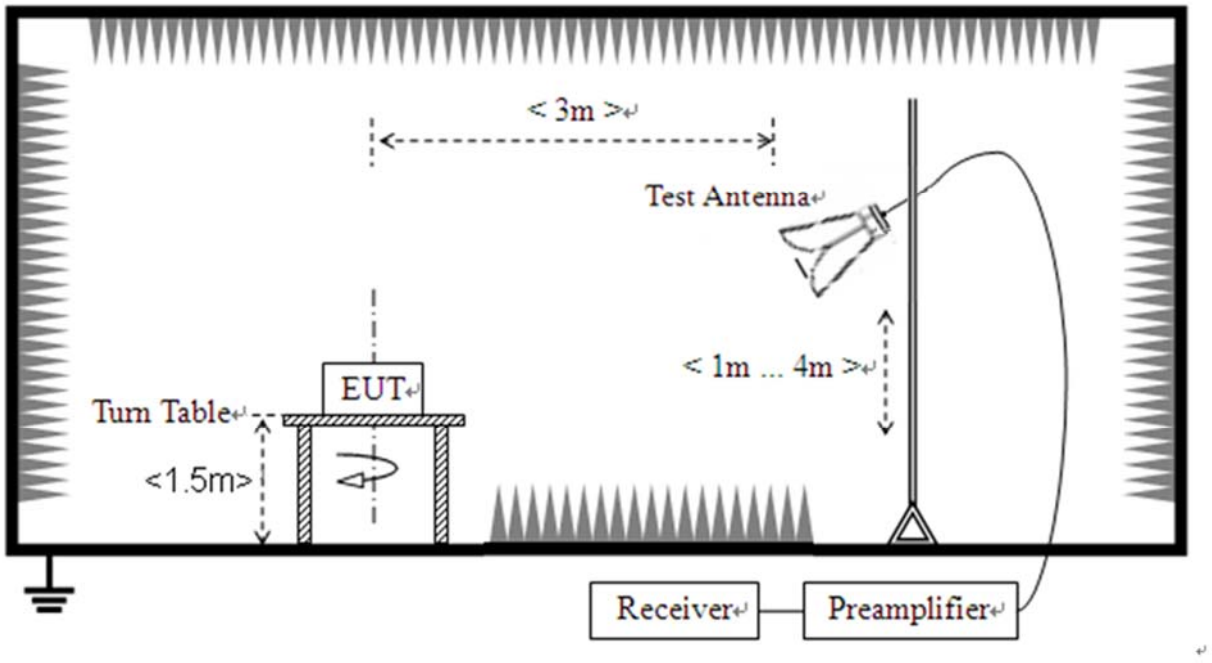
1) For radiated emissions from 9kHz to 30MHz



2) For radiated emissions from 30MHz to1GHz



3) For radiated emissions above 1GHz



The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz.The antenna to EUT distance is 3meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 30MHz, the emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9kHz-90 kHz, 110kHz-490 kHz. Radiated emission limits in these two bands are based on measurements employing an average detector.

For measurements below 1GHz the resolution bandwidth is set to 100kHz for peak detection measurements or 120kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1GHz the resolution bandwidth is set to 1MHz, the video band width is set to 3MHz for peak measurements and as applicable for average measurements.

The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions. For measurements above 1 GHz, keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response.

2.5.3. Test Result

According to ANSI C63.10, because of peak detection will yield amplitudes equal to or greater than amplitudes measured with the quasi-peak (or average) detector, the measurement data from a spectrum analyzer peak detector will represent the worst-case results, if the peak measured value complies with the quasi-peak (or average) limit, it is unnecessary to perform an quasi-peak measurement (or average).

The measurement results are obtained as below:

$E\ [dB\mu V/m] = U_R + A_T + A_{Factor}\ [dB]$; $A_T = L_{Cable\ loss}\ [dB] - G_{preamp}\ [dB]$

A_T: Total correction Factor except Antenna

U_R: Receiver Reading

G_{preamp}: Preamplifier Gain

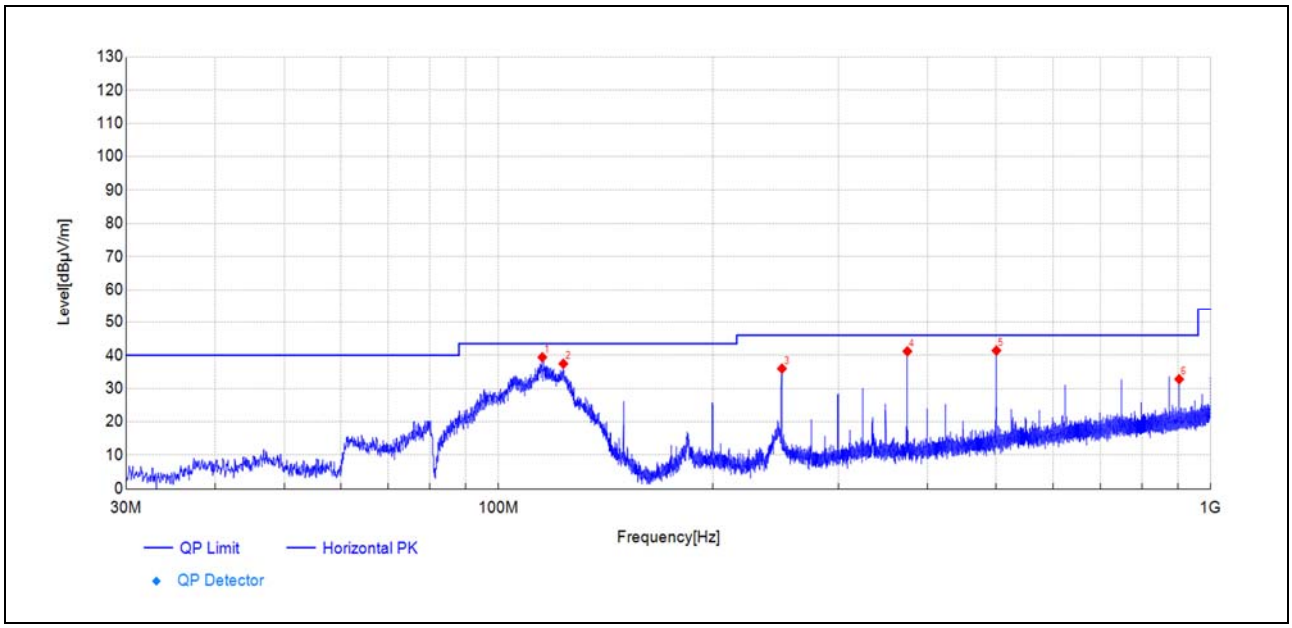
A_{Factor}: Antenna Factor at 3m

During the test, the total correction Factor A_T and A_{Factor} were built in test software.

Note: All emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition (Z axis) was recorded in this test report.

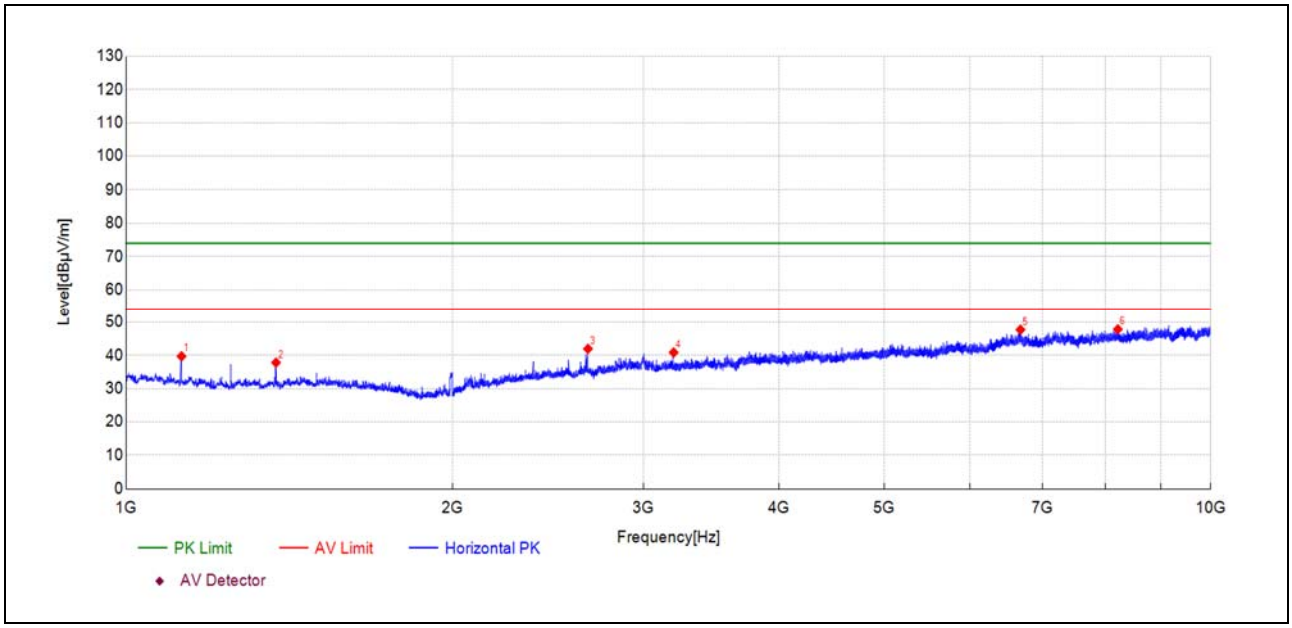
Note 2: The low frequency, which started from 9kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

Plot for 902.75MHz



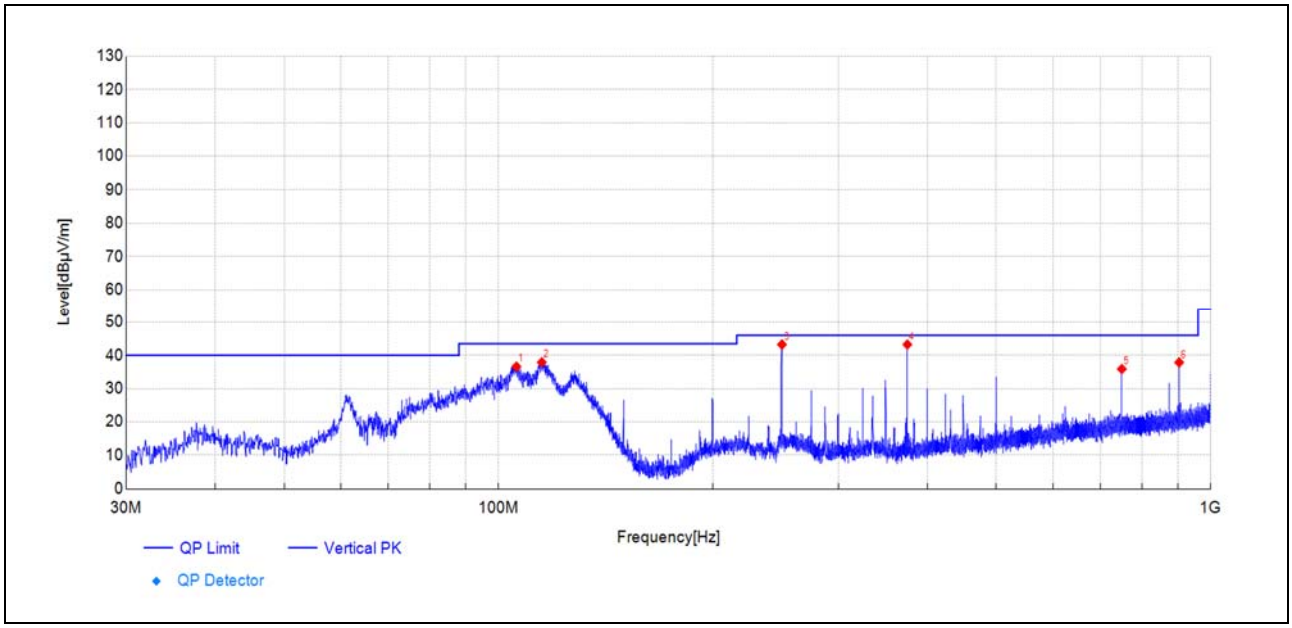
(Antenna Horizontal, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
115.22	70.9	39.40	-31.490	43.50	4.10	150	10	PK	PASS
123.32	70.2	37.45	-32.700	43.50	6.05	150	10	PK	PASS
250.01	64.1	35.97	-28.120	46.00	10.03	150	10	PK	PASS
375.00	66.0	41.18	-24.850	46.00	4.82	150	10	PK	PASS
500.04	63.1	41.40	-21.660	46.00	4.60	150	10	PK	PASS
902.76	47.7	32.79	-14.880	46.00	24.71	150	10	PK	NA



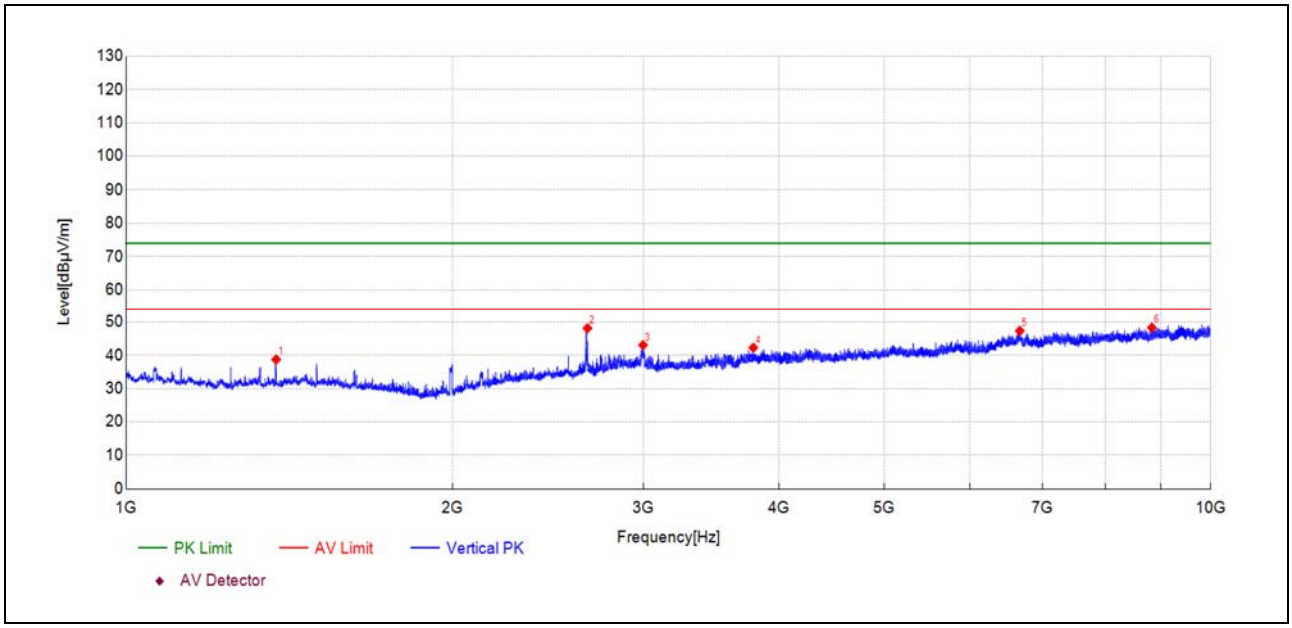
(Antenna Horizontal, 1GHz to 10GHz)

Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1124.92	61.8	39.70	-22.130	74.00	34.30	150	178	PK	PASS
1374.75	60.6	37.80	-22.790	74.00	36.20	150	209	PK	PASS
2665.70	60.0	41.95	-18.030	74.00	32.05	150	300	PK	PASS
3197.46	56.4	40.84	-15.510	74.00	33.16	150	317	PK	PASS
6676.46	51.5	47.70	-3.810	74.00	26.30	150	10	PK	PASS
8209.32	51.0	47.83	-3.150	74.00	26.17	150	329	PK	PASS



(Antenna Vertical, 30MHz to 1GHz)

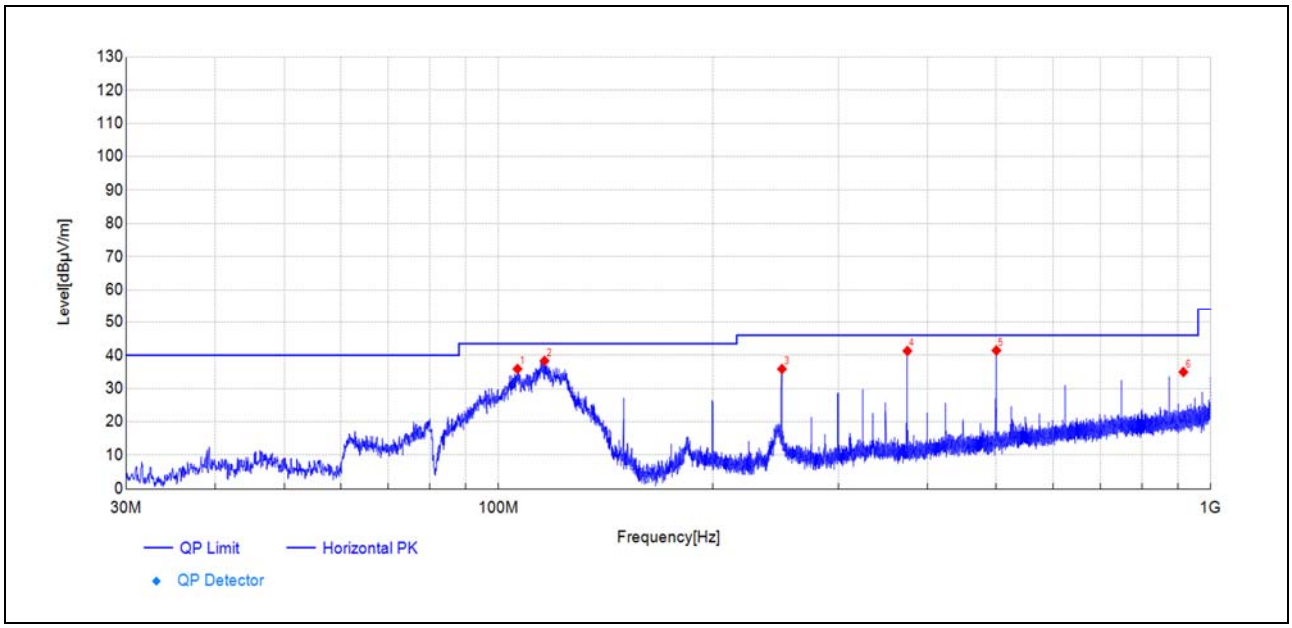
Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
105.95	67.0	36.58	-30.410	43.50	6.92	150	10	PK	PASS
115.02	69.4	37.89	-31.470	43.50	5.61	150	10	PK	PASS
250.01	71.4	43.25	-28.120	46.00	2.75	150	10	PK	PASS
375.00	68.1	43.24	-24.850	46.00	2.76	150	10	PK	PASS
750.02	52.9	35.88	-16.970	46.00	10.12	150	10	PK	PASS
902.76	52.7	37.86	-14.880	46.00	18.64	150	10	PK	PASS



(Antenna Vertical, 1GHz to 10GHz)

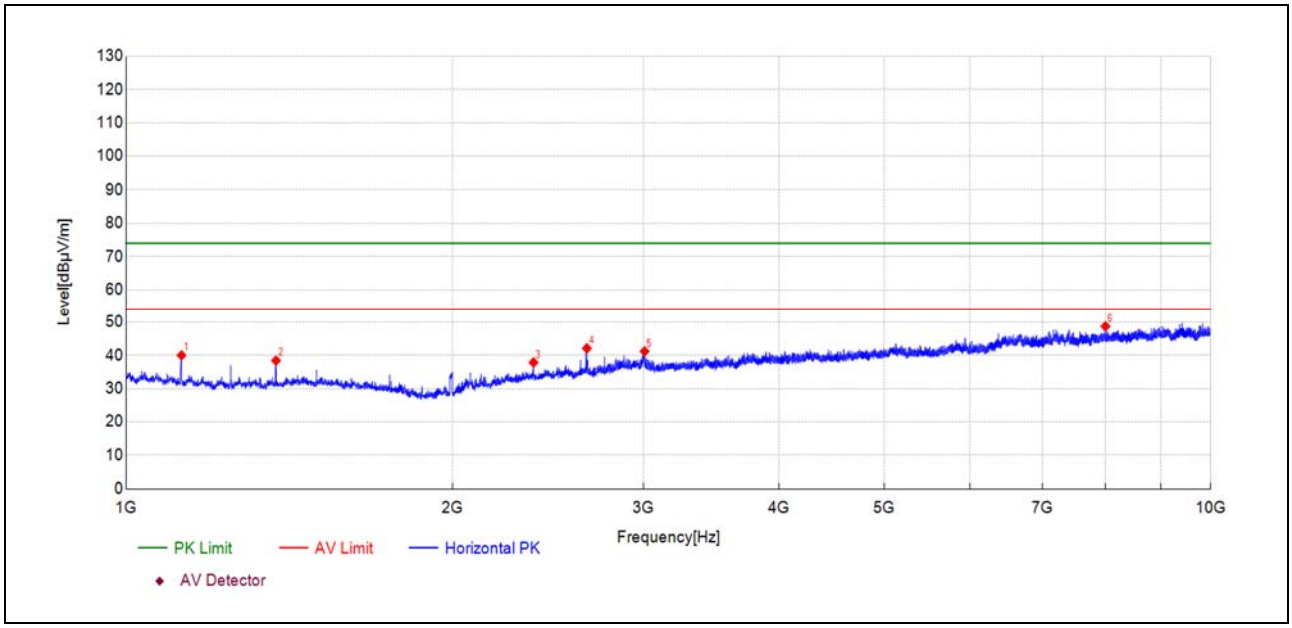
Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1375.19	61.5	38.73	-22.790	74.00	35.27	150	261	PK	PASS
2663.04	66.1	48.12	-18.020	74.00	25.88	150	0	PK	PASS
2996.44	59.8	43.07	-16.710	74.00	30.93	150	160	PK	PASS
3786.95	56.0	42.27	-13.760	74.00	31.73	150	243	PK	PASS
6666.80	51.1	47.34	-3.780	74.00	26.66	150	59	PK	PASS
8824.40	50.8	48.31	-2.510	74.00	25.69	150	10	PK	PASS

Plot for 915.25MHz



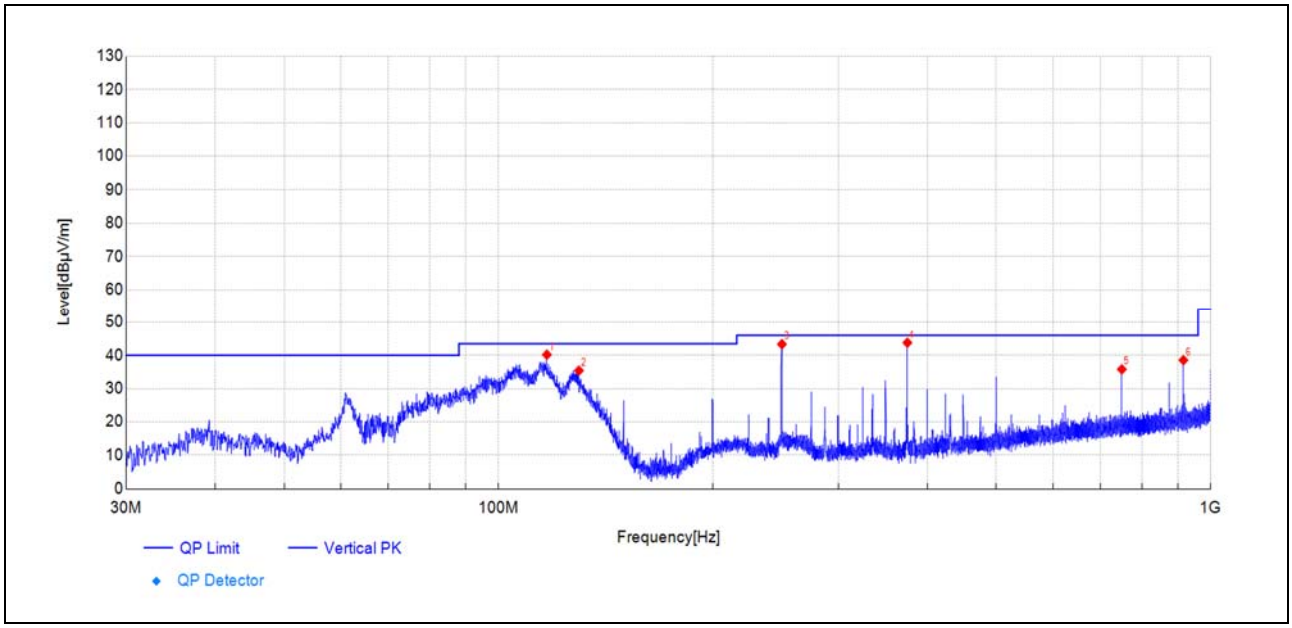
(Antenna Horizontal, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
106.34	66.3	35.88	-30.440	43.50	7.62	150	10	PK	PASS
116.04	69.9	38.29	-31.580	43.50	5.21	150	10	PK	PASS
250.01	64.0	35.86	-28.120	46.00	10.14	150	10	PK	PASS
375.00	66.1	41.29	-24.850	46.00	4.71	150	10	PK	PASS
500.04	63.1	41.43	-21.660	46.00	4.57	150	10	PK	PASS
915.27	49.7	34.96	-14.730	46.00	11.04	150	10	PK	NA



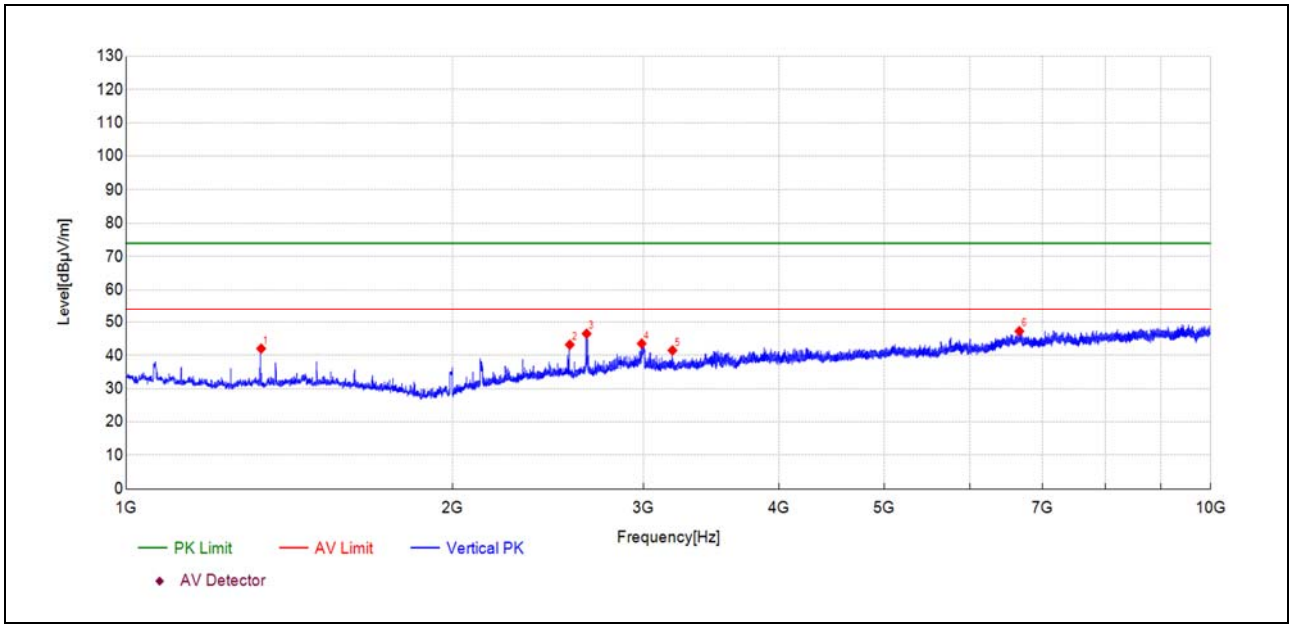
(Antenna Horizontal, 1GHz to 10GHz)

Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1124.92	62.1	40.01	-22.130	74.00	33.99	150	178	PK	PASS
1374.75	61.2	38.41	-22.790	74.00	35.59	150	178	PK	PASS
2374.97	57.2	37.86	-19.380	74.00	36.14	150	98	PK	PASS
2659.48	60.1	42.10	-18.010	74.00	31.90	150	148	PK	PASS
3006.28	57.1	41.20	-15.900	74.00	32.80	150	168	PK	PASS
7996.90	52.0	48.72	-3.320	74.00	25.28	150	341	PK	PASS



(Antenna Vertical, 30MHz to 1GHz)

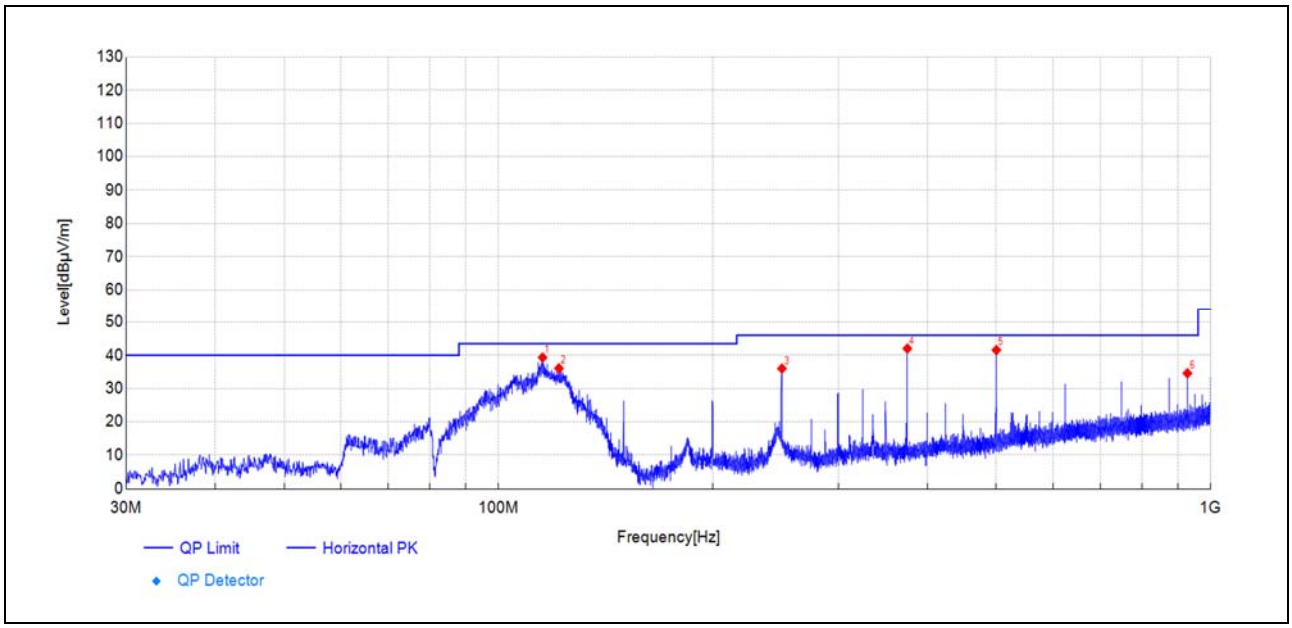
Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
116.92	71.9	40.18	-31.750	43.50	3.32	150	11	PK	PASS
129.67	68.7	35.39	-33.260	43.50	8.11	150	11	PK	PASS
250.01	71.5	43.34	-28.120	46.00	2.66	150	11	PK	PASS
375.00	68.6	43.79	-24.850	46.00	2.21	150	11	PK	PASS
750.02	52.8	35.78	-16.970	46.00	10.22	150	11	PK	PASS
915.27	53.3	38.55	-14.730	46.00	7.45	150	11	PK	NA



(Antenna Vertical, 1GHz to 10GHz)

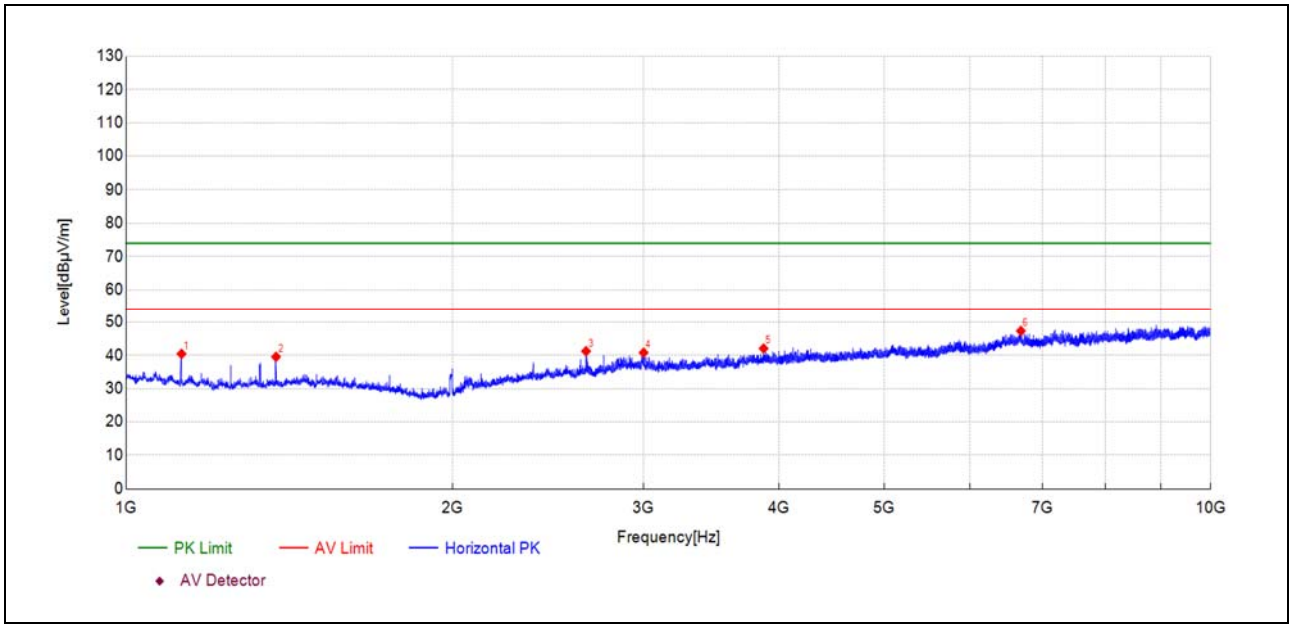
Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1332.07	65.1	42.02	-23.040	74.00	31.98	150	239	PK	PASS
2564.79	61.5	43.19	-18.340	74.00	30.81	150	230	PK	PASS
2658.15	64.5	46.49	-18.010	74.00	27.51	150	120	PK	PASS
2988.00	60.3	43.52	-16.740	74.00	30.48	150	79	PK	PASS
3189.74	57.0	41.47	-15.540	74.00	32.53	150	360	PK	PASS
6661.01	51.0	47.25	-3.760	74.00	26.75	150	106	PK	PASS

Plot for 927.25MHz



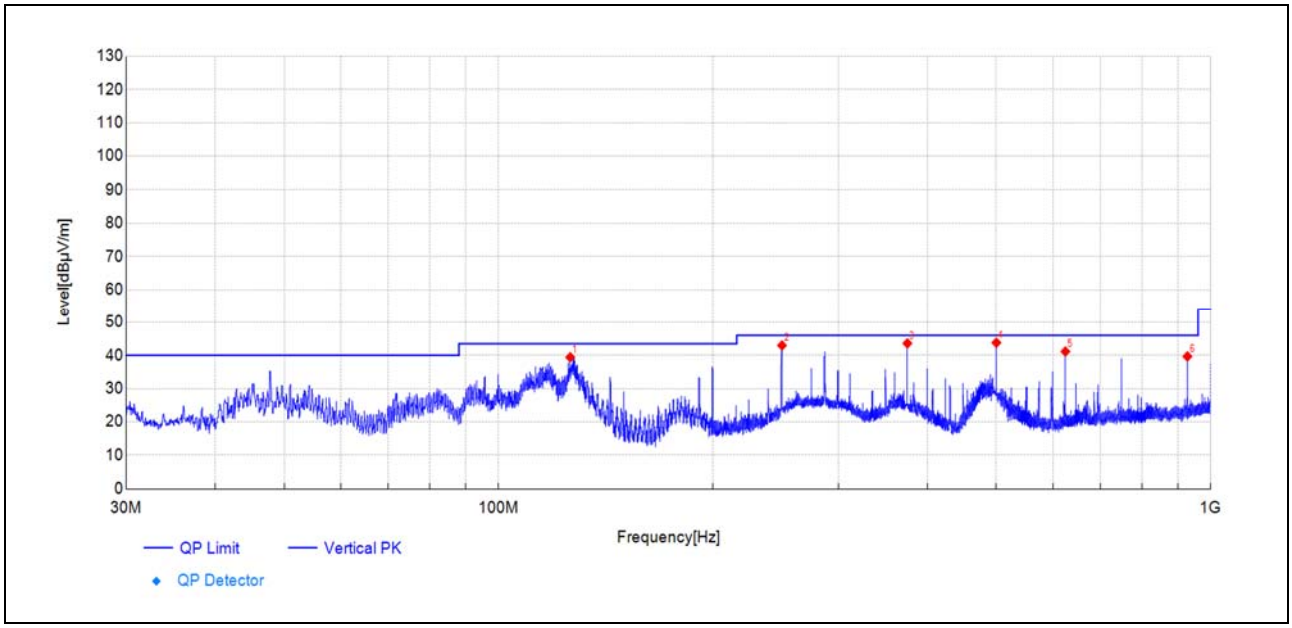
(Antenna Horizontal, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
115.32	70.8	39.32	-31.500	43.50	4.18	150	11	PK	PASS
121.57	68.6	36.05	-32.510	43.50	7.45	150	11	PK	PASS
250.01	64.1	35.99	-28.120	46.00	10.01	150	11	PK	PASS
375.00	66.9	42.00	-24.850	46.00	4.00	150	11	PK	PASS
500.04	63.2	41.58	-21.660	46.00	4.42	150	11	PK	PASS
927.26	49.1	34.58	-14.540	46.00	11.42	150	11	PK	PASS



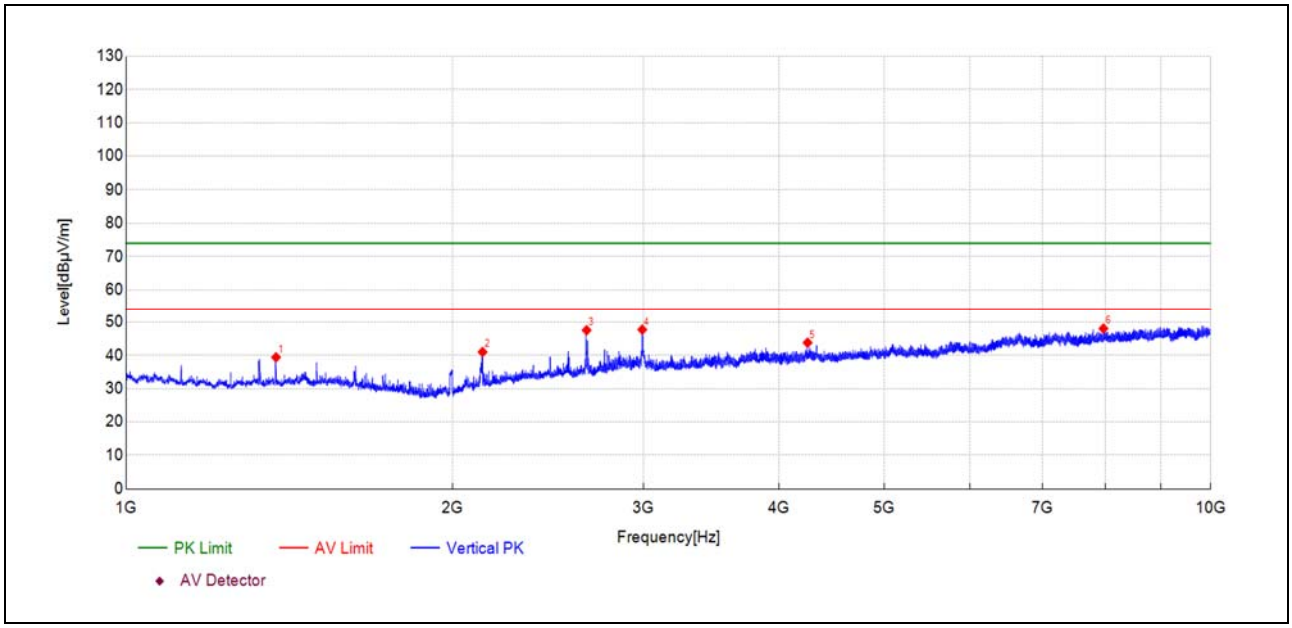
(Antenna Horizontal, 1GHz to 10GHz)

Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1124.92	62.6	40.44	-22.130	74.00	33.56	150	178	PK	PASS
1374.75	62.3	39.55	-22.790	74.00	34.45	150	138	PK	PASS
2655.03	59.2	41.24	-18.000	74.00	32.76	150	228	PK	PASS
3000.00	57.5	40.79	-16.700	74.00	33.21	150	117	PK	PASS
3869.99	55.4	42.04	-13.340	74.00	31.96	150	82	PK	PASS
6682.25	51.2	47.34	-3.830	74.00	26.66	150	207	PK	PASS



(Antenna Vertical, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
126.08	72.1	39.41	-32.720	43.50	4.09	150	147	PK	PASS
250.01	70.9	42.97	-27.970	46.00	3.03	150	228	PK	PASS
375.00	68.1	43.58	-24.520	46.00	2.42	150	147	PK	PASS
500.04	65.2	43.80	-21.400	46.00	2.20	150	160	PK	PASS
625.03	60.3	41.15	-19.140	46.00	4.85	150	323	PK	PASS
927.29	53.8	39.66	-14.100	46.00	6.34	150	1	PK	NA



(Antenna Vertical, 1GHz to 10GHz)

Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1374.75	62.2	39.40	-22.790	74.00	34.60	150	169	PK	PASS
2131.36	61.0	40.99	-19.980	74.00	33.01	150	139	PK	PASS
2658.15	65.5	47.53	-18.010	74.00	26.47	150	30	PK	PASS
2991.55	64.5	47.72	-16.730	74.00	26.28	150	181	PK	PASS
4248.50	55.8	43.80	-11.980	74.00	30.20	150	246	PK	PASS
7962.62	51.5	48.03	-3.420	74.00	25.97	150	35	PK	PASS

Annex A Test Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for test performed on the EUT as specified in CISPR 16-1-2:

Test Items	Uncertainty
Bandwidth	±5%
Radiated Emission	±2.95dB

This uncertainty represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Annex B Testing Laboratory Information

1. Identification of the Responsible Testing Laboratory

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Laboratory Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
Telephone:	+86 755 36698555
Facsimile:	+86 755 36698525

2. Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China

3. Facilities and Accreditations

All measurement facilities used to collect the measurement data are located at FL.3, Building A, FeiYang Science Park, Block 67, BaoAn District, Shenzhen, 518101 P. R. China. The test site is constructed in conformance with the requirements of ANSI C63.10-2013 and CISPR Publication 22; the FCC designation number is CN1192, the test firm registration number is 226174.

4. Test Equipments Utilized

4.1 Conducted Test Equipment

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Cal. Due
EXA Signal Analyzer	MY53470836	N9010A	Agilent	2025.01.15	2026.01.14
RF Cable (30MHz-26GHz)	CB01	RF01	Morlab	N/A	N/A
Coaxial Cable	CB02	RF02	Morlab	N/A	N/A
SMA Connector	CN01	RF03	HUBER-SUHNER	N/A	N/A
USB Wideband Power Sensor	MY54180008	U2021XA	Agilent	2024.09.11	2025.09.10

4.2 List of Software Used

Description	Manufacturer	Software Version
Test System	Tonscend	V2.5.77.0418
JS32-RE	Tonscend	5.0.0

4.3 Radiated Test Equipment

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Signal Analyzer	MY56060145	N9020A	Agilent	2024.05.30	2025.05.29
Test Antenna - Bi-Log	9163-519	VULB 9163	Schwarzbeck	2024.06.22	2025.06.21
Test Antenna - Loop	1519-022	FMZB1519	Schwarzbeck	2024.06.03	2025.06.02
Test Antenna – Horn	01774	BBHA 9120D	Schwarzbeck	2024.06.22	2025.06.21
Test Antenna – Horn	BBHA9170 #773	BBHA9170	Schwarzbeck	2024.06.22	2025.06.21
Preamplifier (10MHz-6GHz)	46732	S10M100L3802	LUCIX CORP.	2024.05.30	2025.05.29
Preamplifier (2GHz-18GHz)	61171/61172	S020180L3203	LUCIX CORP.	2024.05.30	2025.05.29
Preamplifier (18GHz-40GHz)	DS77209	DCLNA0118-40C-S	Decentest	2024.05.30	2025.05.29
RF Coaxial Cable (DC-18GHz)	MRE001	PE330	Pasternack	2024.05.30	2025.05.29

RF Coaxial Cable (DC-18GHz)	MRE002	CLU18	Pasternack	2024.05.30	2025.05.29
RF Coaxial Cable (DC-18GHz)	MRE003	CLU18	Pasternack	2024.05.30	2025.05.29
RF Coaxial Cable (DC-40GHz)	22290045	QA360-40-KK-0.5	Qualwave	2024.07.03	2025.07.02
RF Coaxial Cable (DC-40GHz)	22290046	QA360-40-KKF-2	Qualwave	2024.07.03	2025.07.02
RF Coaxial Cable (DC-18GHz)	22120181	QA500-18-NN-5	Qualwave	2024.07.03	2025.07.02
Notch Filter	N/A	WRCG-2400-2483.5-60SS	Wainwright	N/A	N/A
Anechoic Chamber	N/A	9m*6m*6m	CRT	2022.05.10	2025.05.09

END OF REPORT