



TEST REPORT

APPLICANT : Anker Innovations Limited

PRODUCT NAME : eufy Entry Sensor E20

MODEL NAME : T90E0

BRAND NAME : eufy

FCC ID : 2AOKB-T90E0

STANDARD(S) : 47 CFR Part 15 Subpart C

RECEIPT DATE : 2025-05-14

TEST DATE : 2025-05-16 to 2025-05-28

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Change History		
Version	Date	Reason for change
1.0	2025-06-25	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Anker Innovations Limited
Applicant Address:	Unit 56, 8th Floor, Tower 2, Admiralty Centre, 18 Harcourt Road, Hong Kong
Manufacturer:	Anker Innovations Limited
Manufacturer Address:	Unit 56, 8th Floor, Tower 2, Admiralty Centre, 18 Harcourt Road, Hong Kong

1.2. Equipment Under Test (EUT) Description

Product Name:	eufy Entry Sensor E20
Sample No.:	1#, 2#
Hardware Version:	V2.0
Software Version:	V1.1.1.6
Operating Frequency:	920.0MHz, 920.2MHz, 920.4MHz, 920.6MHz, 920.8MHz
Channel Number:	5
Antenna Type:	Metal Antenna
Antenna Gain:	-4.66dBi

Note 1: The EUT description presented in the report are provided by applicant and/or manufacturer, and the test laboratory is not responsible for the accuracy of the information. 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	Frequency (MHz)
1	920.0
2	920.2
3	920.4
4	920.6
5	920.8



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	Remark
1	15.203	Antenna Requirement	N/A	N/A	PASS	/
2	15.215	Bandwidth	May 28, 2025	Lin Haoyang	PASS	/
3	15.207	Conducted Emission	N/A	N/A	N/A ^{Note1}	/
4	15.249	Field strength	May 23, 2025	Gao Jianrou	PASS	/
5	15.209, 15.249	Radiated Emission and field strength of harmonics	May 22, 2025	Gao Jianrou	PASS	/

Note 1: Measurements to demonstrate compliance with the conducted limits are not required for devices which only employ battery power for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines.

Note 2: The tests were performed according to the method of measurements prescribed in ANSI C63.10-2013.

Note 3: Any additions, deviation, or exclusions from the method shall be noted in the "Remark".



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.

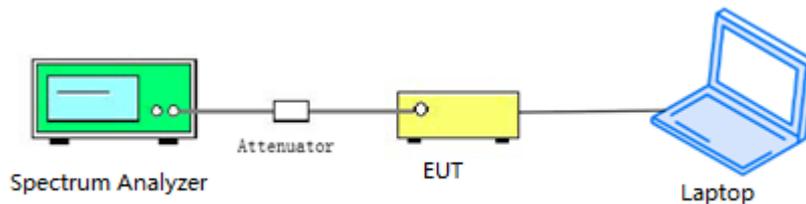
2.2. Bandwidth

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.

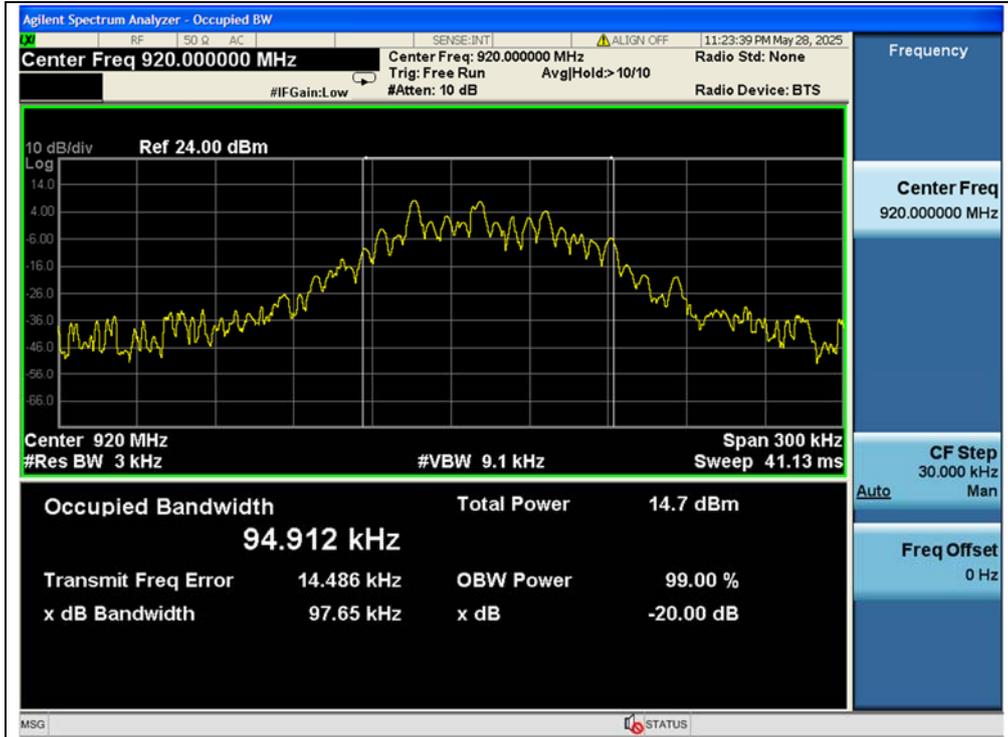
2.2.3. Test Result

A. Test Verdict:

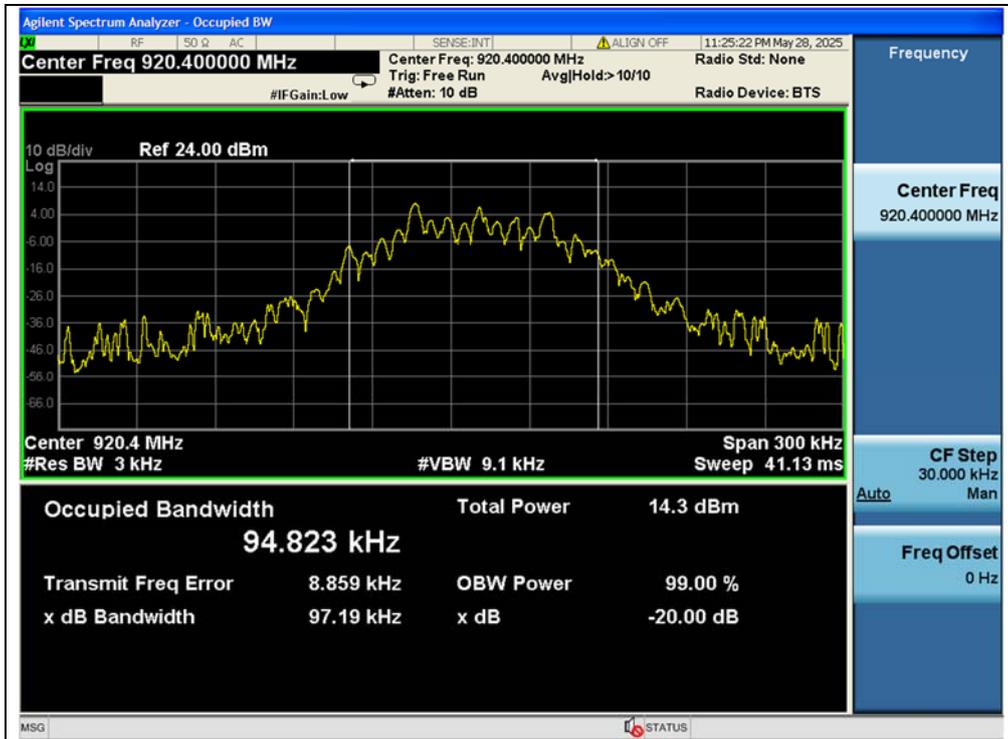
Channel	Frequency (MHz)	20 dB Bandwidth (kHz)	Result
1	920.0	97.65	PASS
3	920.4	97.19	PASS
5	920.8	104.60	PASS



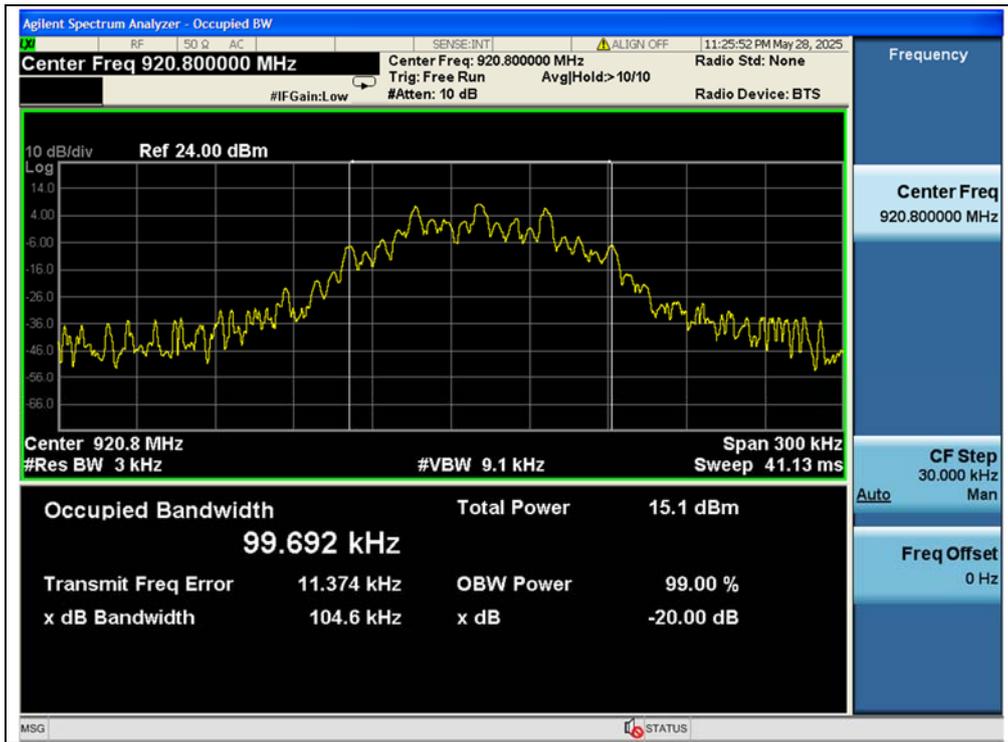
B.Test Plot:



(Channel 1, 920.0MHz)



(Channel 3, 920.4MHz)



(Channel 5, 920.8MHz)

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 50 μ H/50 Ω line impedance stabilization network (LISN).

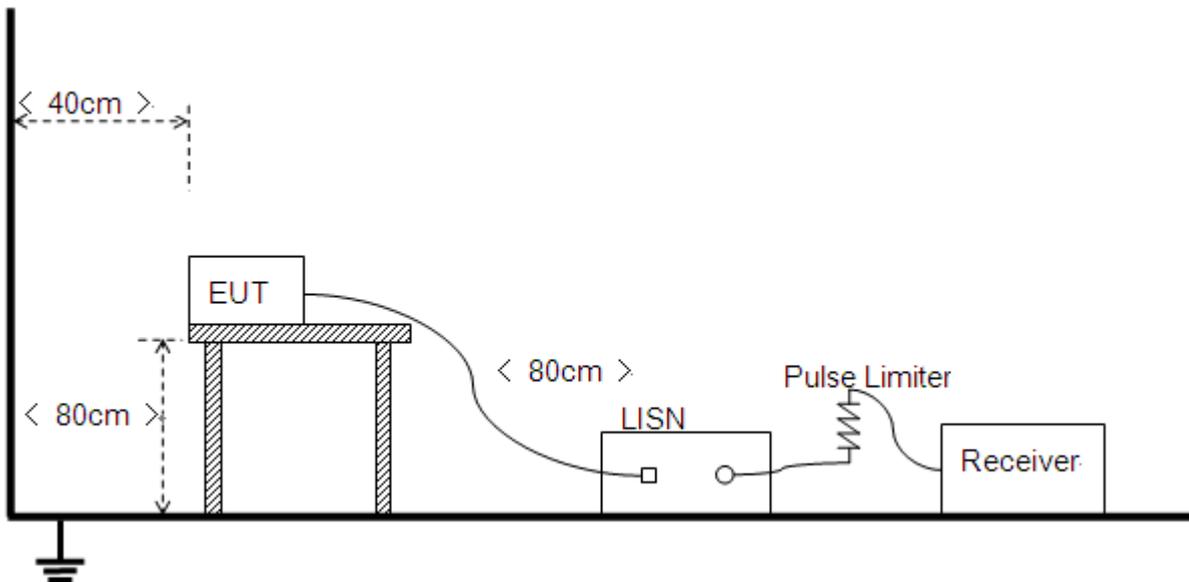
Frequency Range (MHz)	Conducted Limit (dB μ V)	
	Quai-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
5 - 30	60	50

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.



REPORT No.: SZ25010200W01

2.3.1. Test Result

This test case does not apply this kind of EUT.

2.4. Field Strength of Fundamental

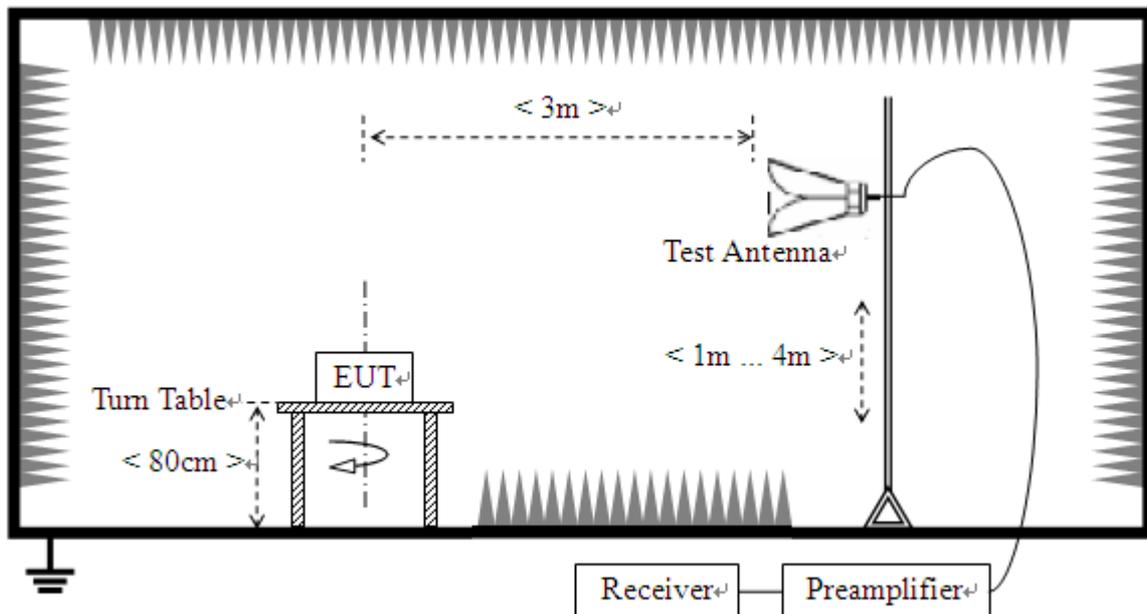
2.4.1. Requirement

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

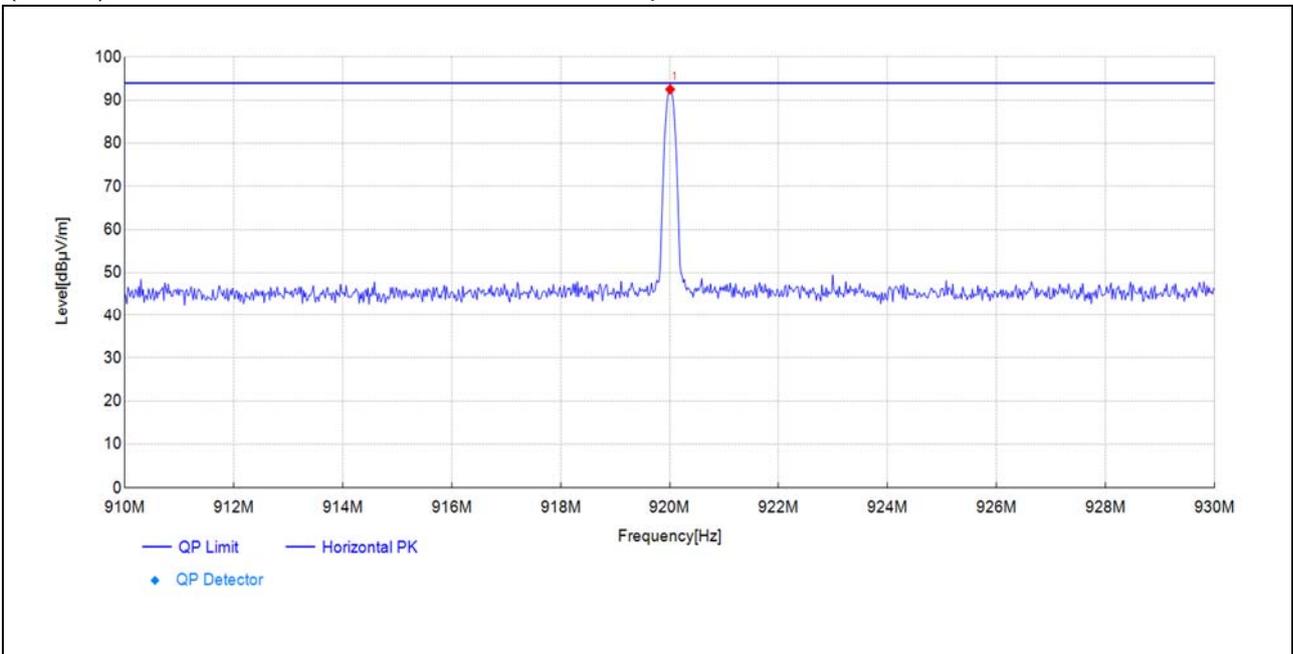
Sweep = auto

Detector function = peak

Trace = max hold

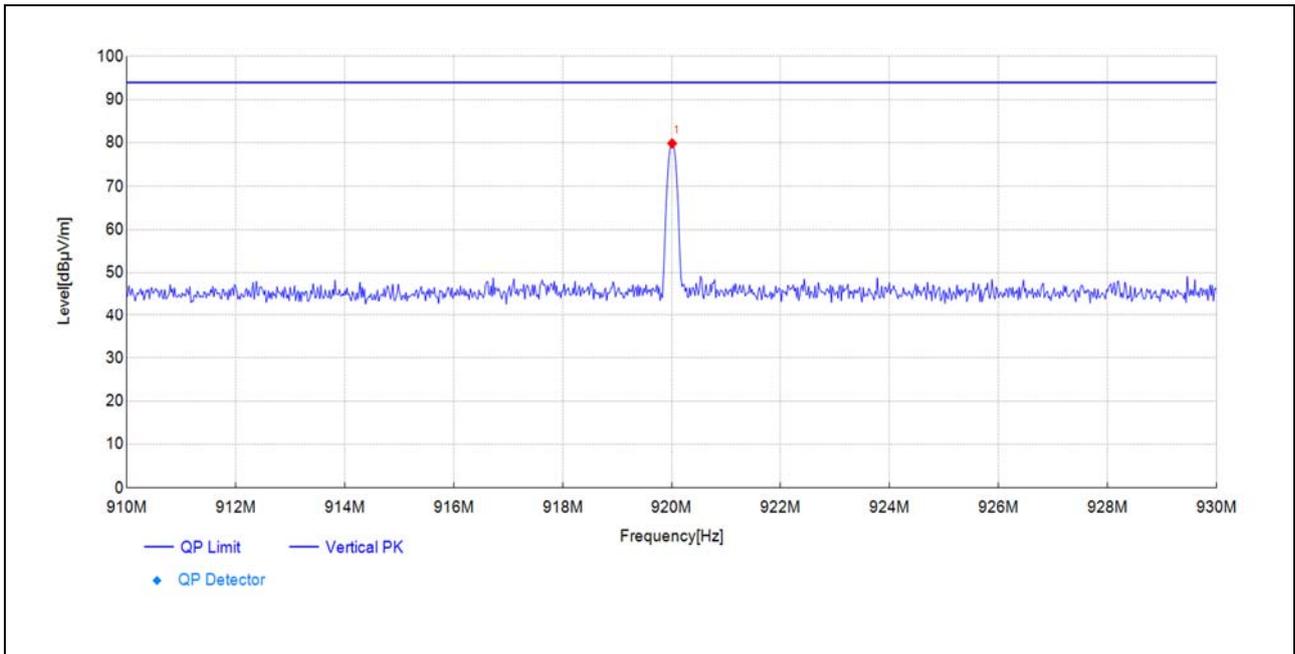
2.4.4. Test Result

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



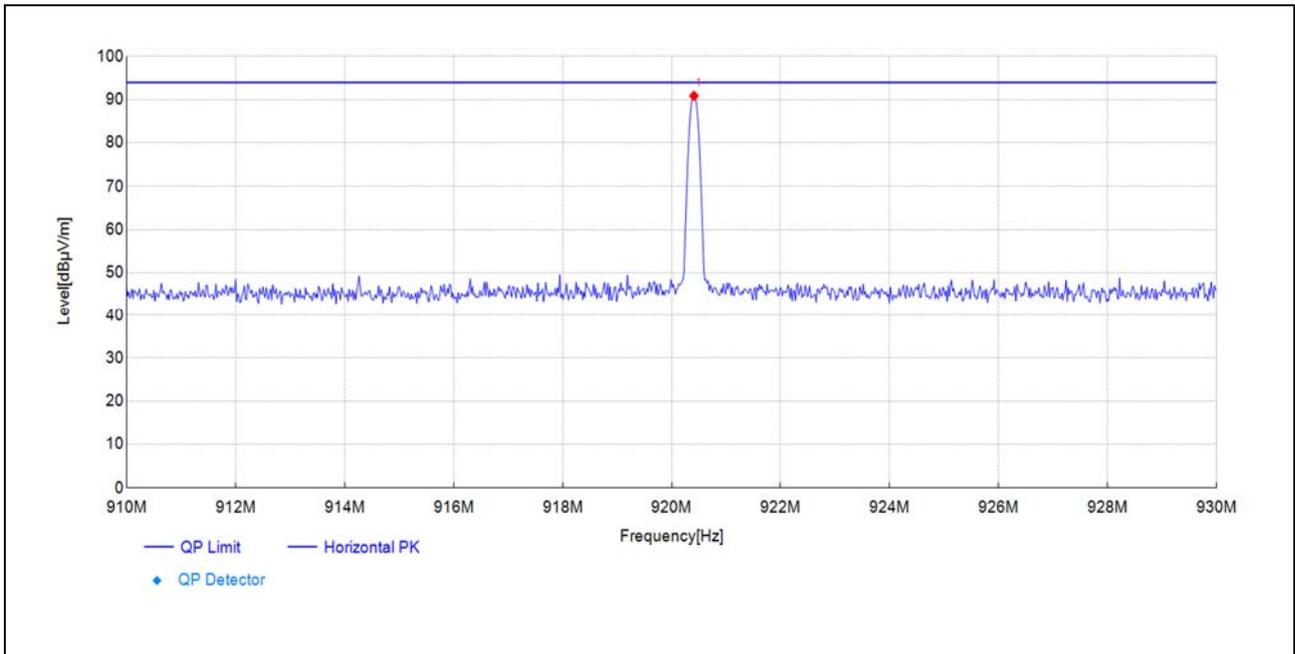
(920.0MHz, Antenna Horizontal)

Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
920.01	64.2	92.51	28.330	93.98	1.47	150	68	PK	PASS



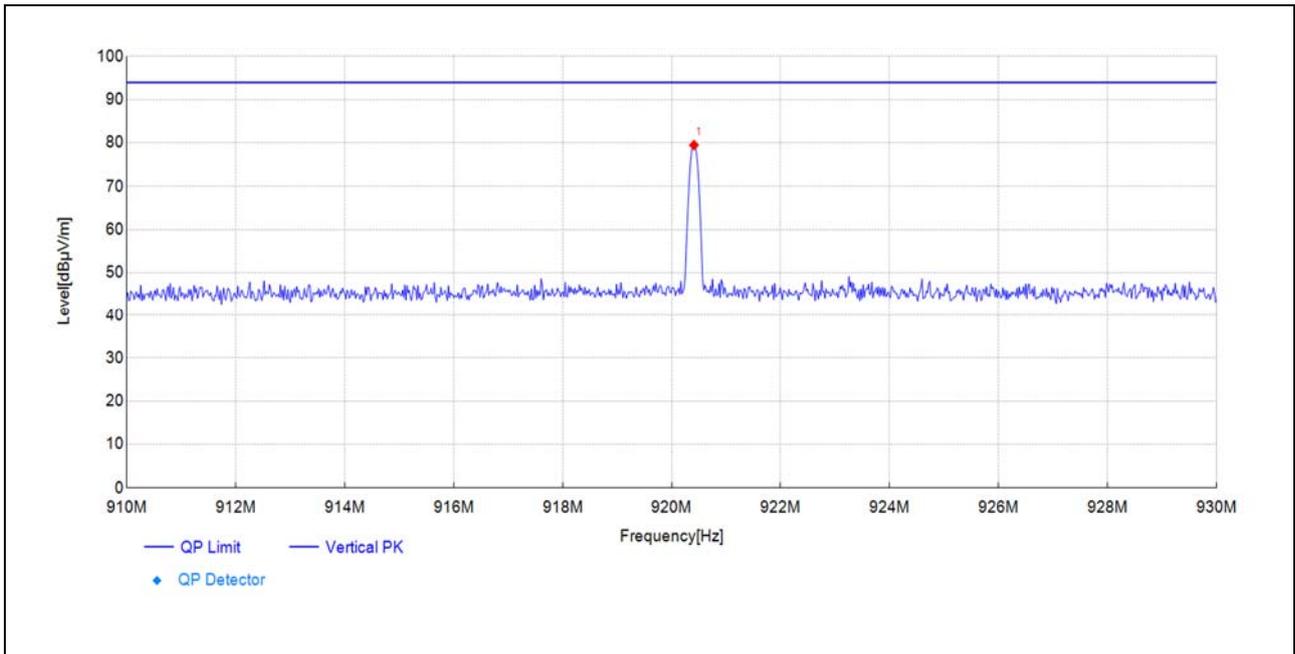
(920.0MHz, Antenna Vertical)

Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
920.01	51.5	79.83	28.330	93.98	14.15	150	141	PK	PASS



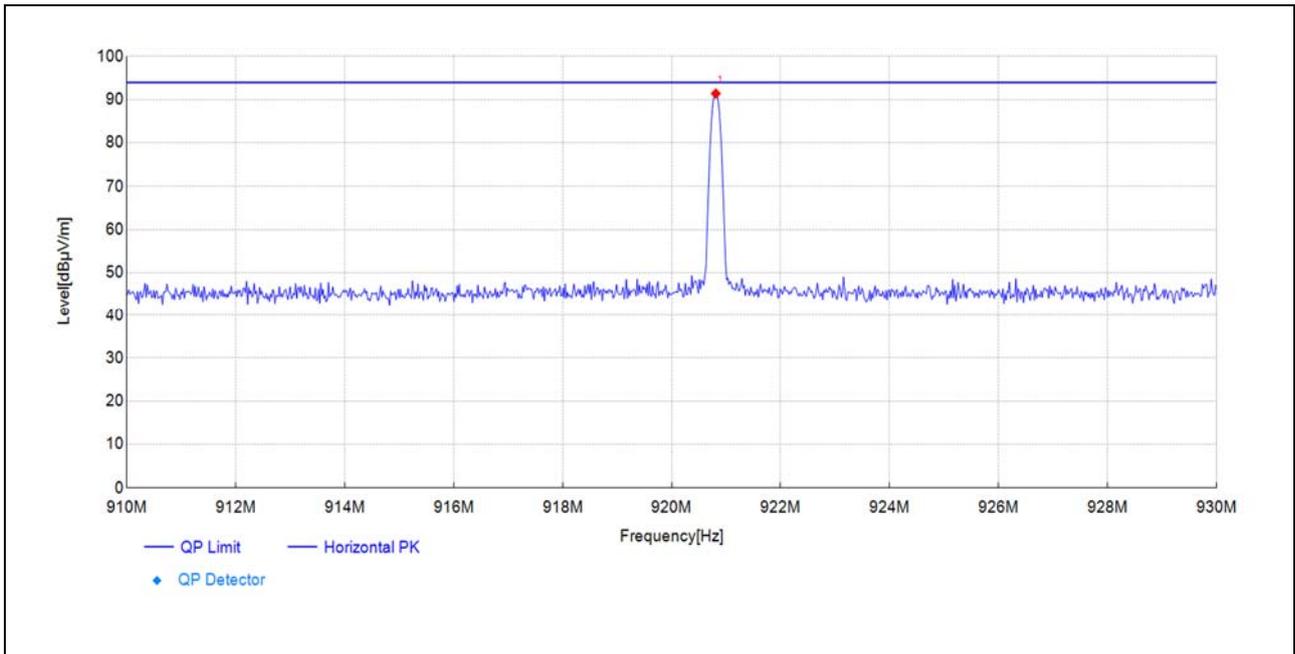
(920.4MHz, Antenna Horizontal)

Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
920.41	62.6	90.87	28.300	93.98	3.11	150	335	PK	PASS



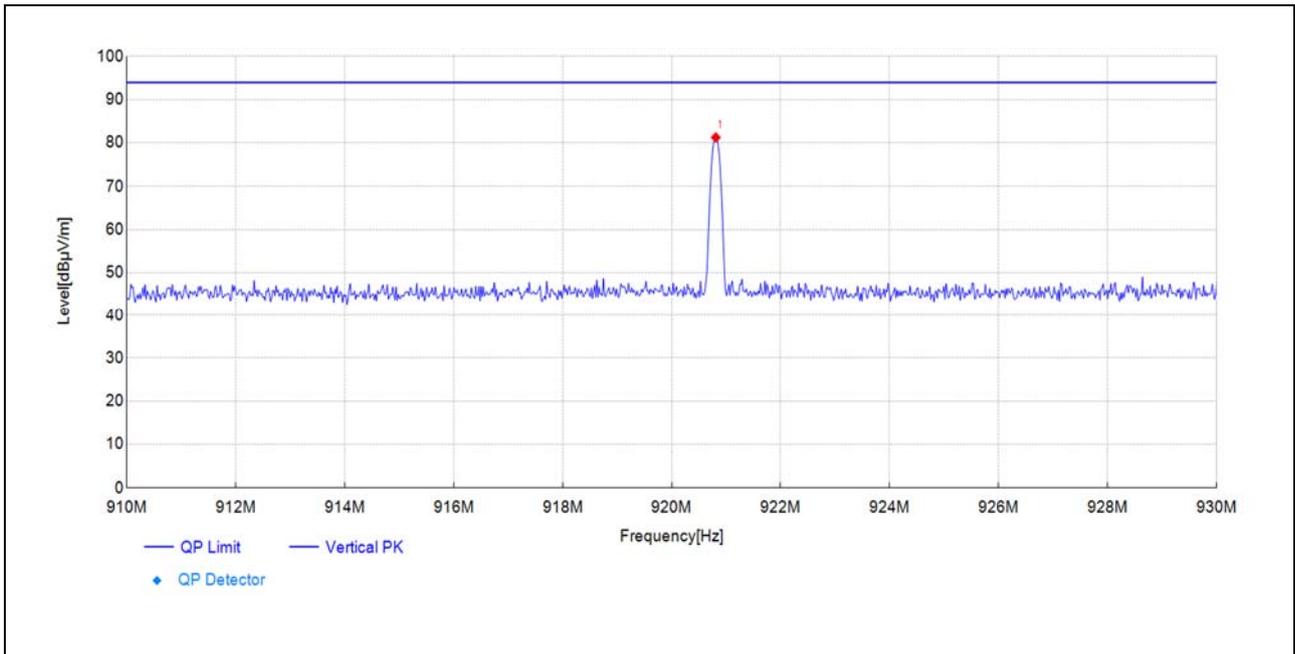
(920.4MHz, Antenna Vertical)

Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
920.41	51.2	79.46	28.300	93.98	14.52	150	244	PK	PASS



(920.8MHz, Antenna Horizontal)

Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
920.81	63.2	91.41	28.260	93.98	2.57	150	2	PK	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
920.81	53.0	81.23	28.260	93.98	12.75	150	113	PK	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 ($\mu\text{V}/\text{m}$)	Measurement Distance (m)	Field Strength Limitation at 3m Measurement Distance	
			($\mu\text{V}/\text{m}$)	(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:

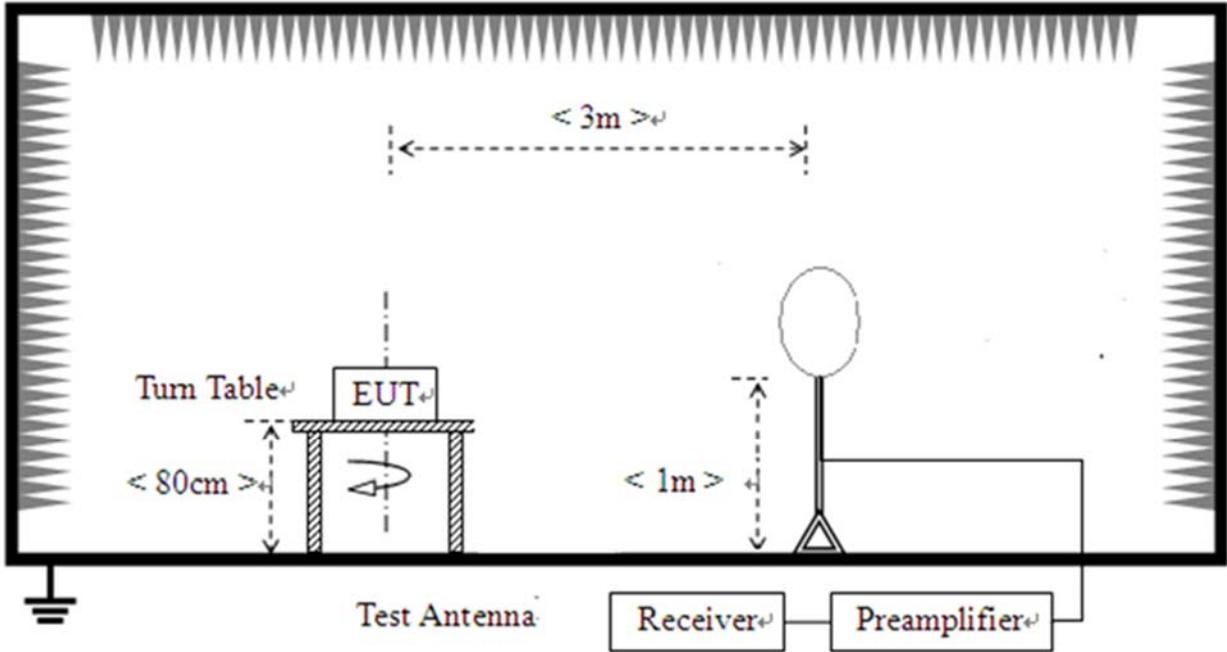
- 1) The tighter limit shall apply at the boundary between two frequency range.
- 2) Limitation expressed in dBuV/m is calculated by $20\log$ Emission Level($\mu\text{V}/\text{m}$).
- 3) If measurement is made at 3m distance, then F.S Limitation at 3m distance is adjusted by using the formula of $L_{d1} = L_{d2} * (d2/d1)^2$.

Example: F.S Limit at 30m distance is $30\mu\text{V}/\text{m}$, then F.S Limitation at 3m distance is adjusted as $L_{d1} = L_1 = 30\mu\text{V}/\text{m} * (10)^2 = 100 * 30\mu\text{V}/\text{m}$

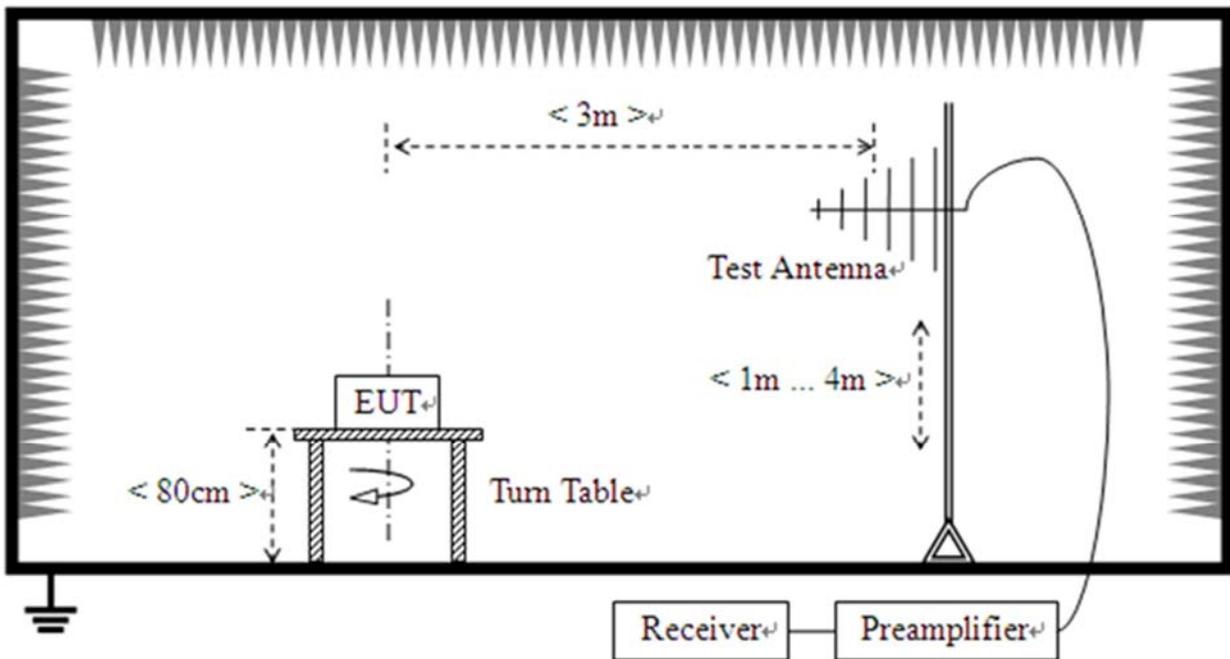
2.5.2. Test Description

Test Setup:

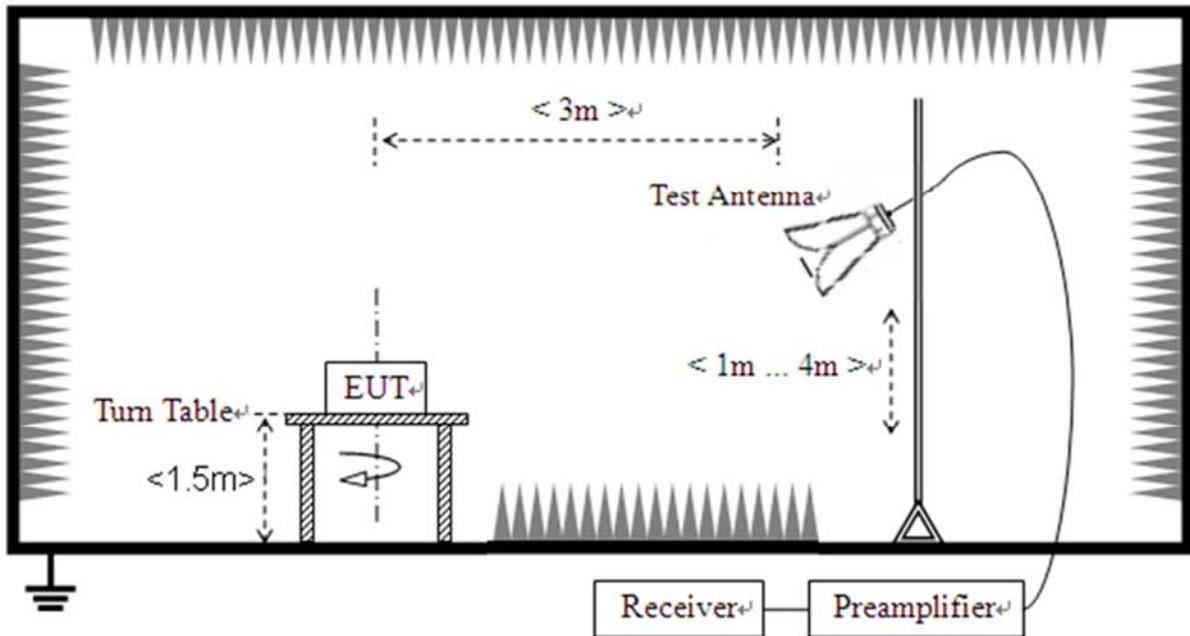
1) For radiated emissions from 9kHz to 30MHz



2) For radiated emissions from 30MHz to 1GHz



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 3 meters. 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:

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

A_T : Total correction Factor except Antenna

U_R : Receiver Reading

G_{preamp} : Preamplifier Gain

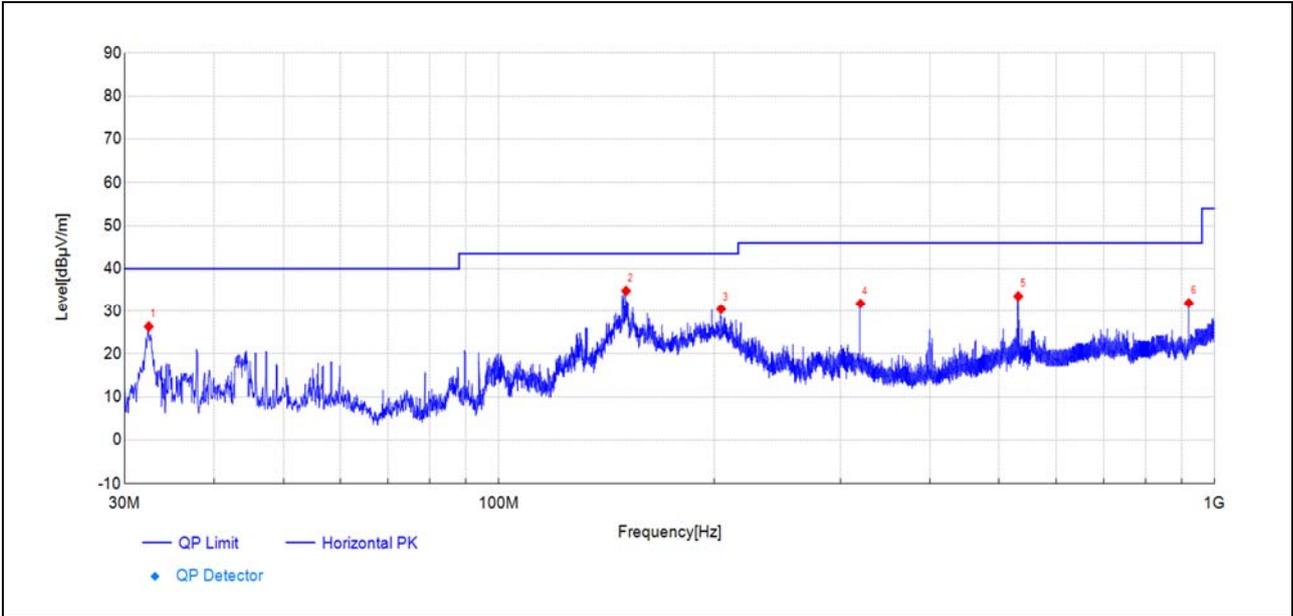
A_{Factor} : Antenna Factor at 3m

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

Note 1: All emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition (X axis) was recorded in this test report.

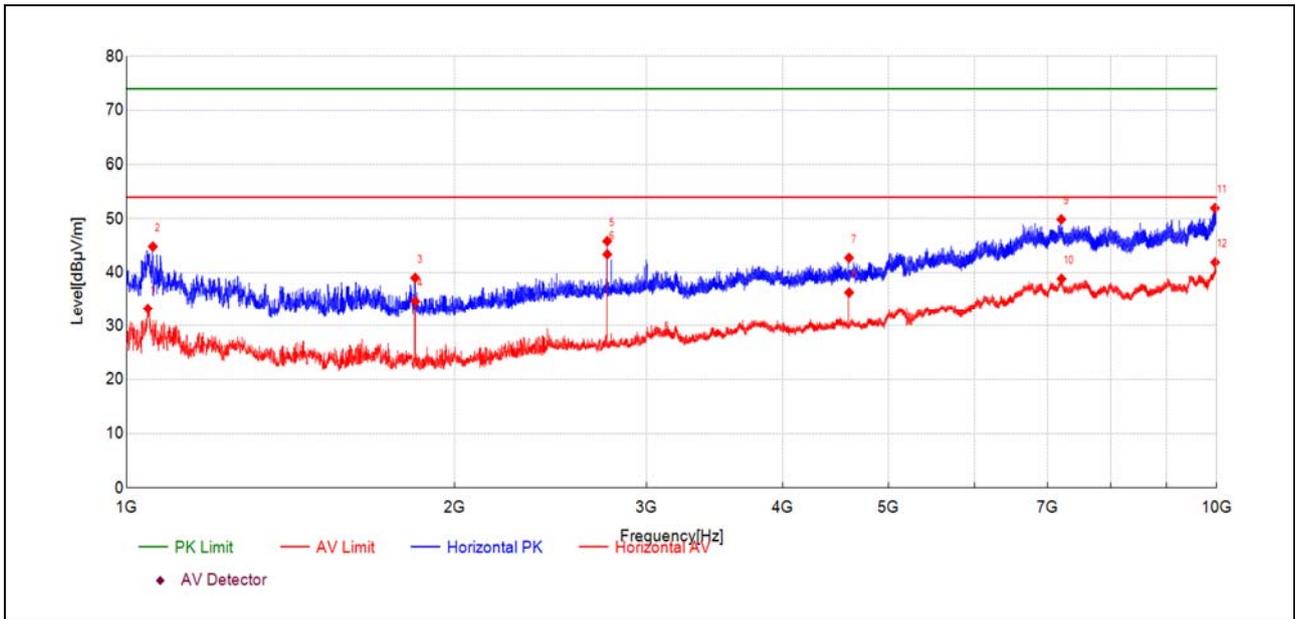
Note 2: The low frequency, which started from 9kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

Plot for 920.0MHz



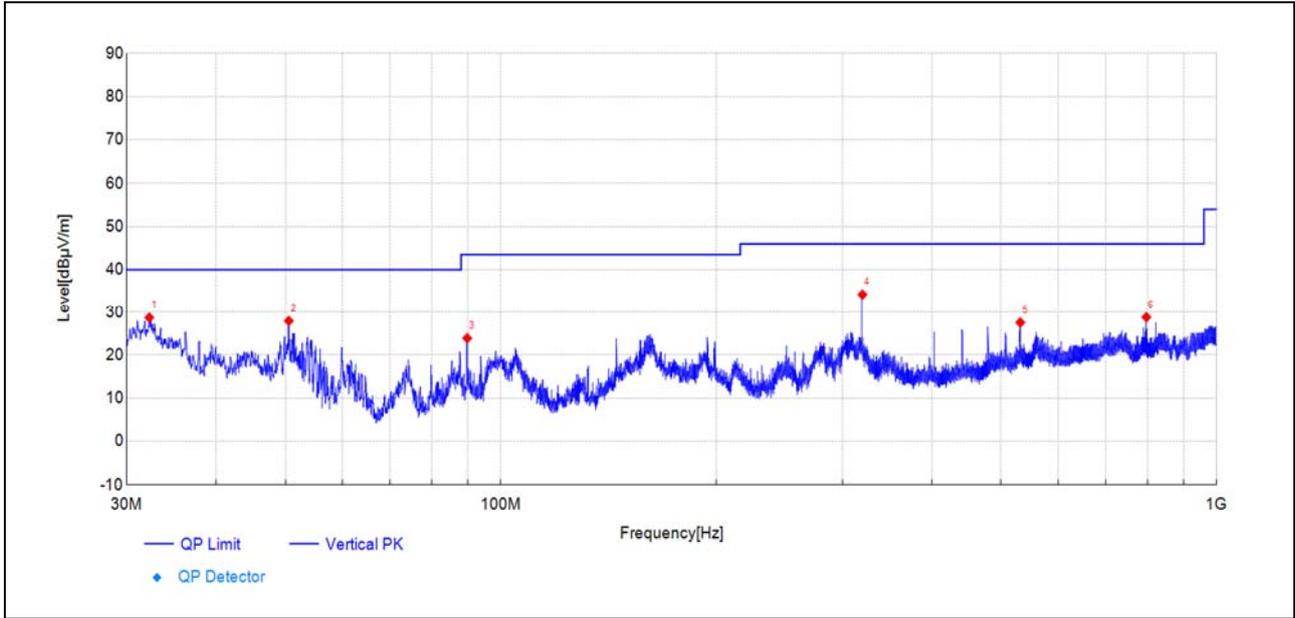
(Antenna Horizontal, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
32.43	56.7	26.33	-30.380	40.00	13.67	150	134	PK	PASS
150.58	66.5	34.82	-31.710	43.50	8.68	150	46	PK	PASS
204.37	59.6	30.43	-29.140	43.50	13.07	150	123	PK	PASS
320.00	56.6	31.77	-24.780	46.00	14.23	150	180	PK	PASS
531.61	52.2	33.55	-18.640	46.00	12.45	150	170	PK	PASS
920.02	43.6	31.91	-11.690	-	-	150	159	PK	NA



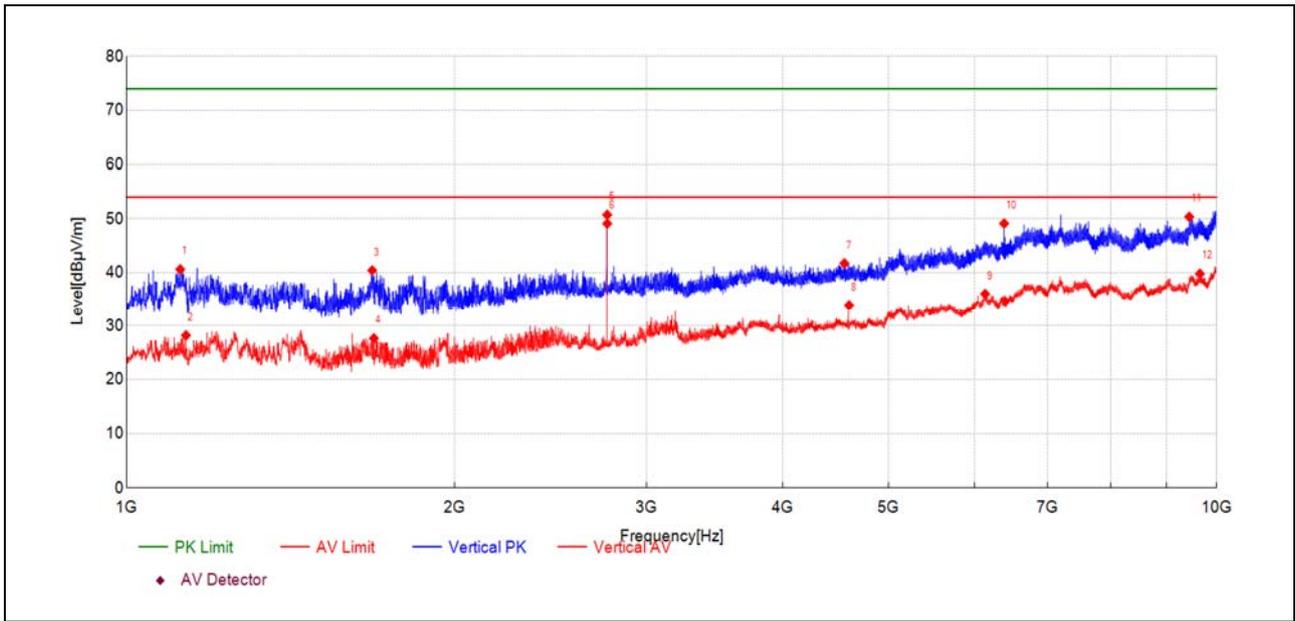
(Antenna Horizontal, 1GHz to 10GHz)

Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1046.01	53.2	33.24	-19.940	54.00	20.76	150	351	AV	PASS
1057.21	64.9	44.85	-20.010	74.00	29.15	150	25	PK	PASS
1839.77	57.4	39.03	-18.330	74.00	34.97	150	345	PK	PASS
1840.57	53.0	34.68	-18.330	54.00	19.32	150	351	AV	PASS
2759.95	58.6	45.85	-12.730	74.00	28.15	150	323	PK	PASS
2760.35	56.2	43.42	-12.730	54.00	10.58	150	323	AV	PASS
4600.31	49.6	42.76	-6.790	74.00	31.24	150	9	PK	PASS
4600.77	43.1	36.33	-6.780	54.00	17.67	150	34	AV	PASS
7202.15	44.8	49.90	5.080	74.00	24.10	150	283	PK	PASS
7205.88	33.8	38.87	5.030	54.00	15.13	150	220	AV	PASS
9962.66	42.2	51.99	9.840	74.00	22.01	150	18	PK	PASS
9966.86	32.0	41.93	9.920	54.00	12.07	150	228	AV	PASS



(Antenna Vertical, 30MHz to 1GHz)

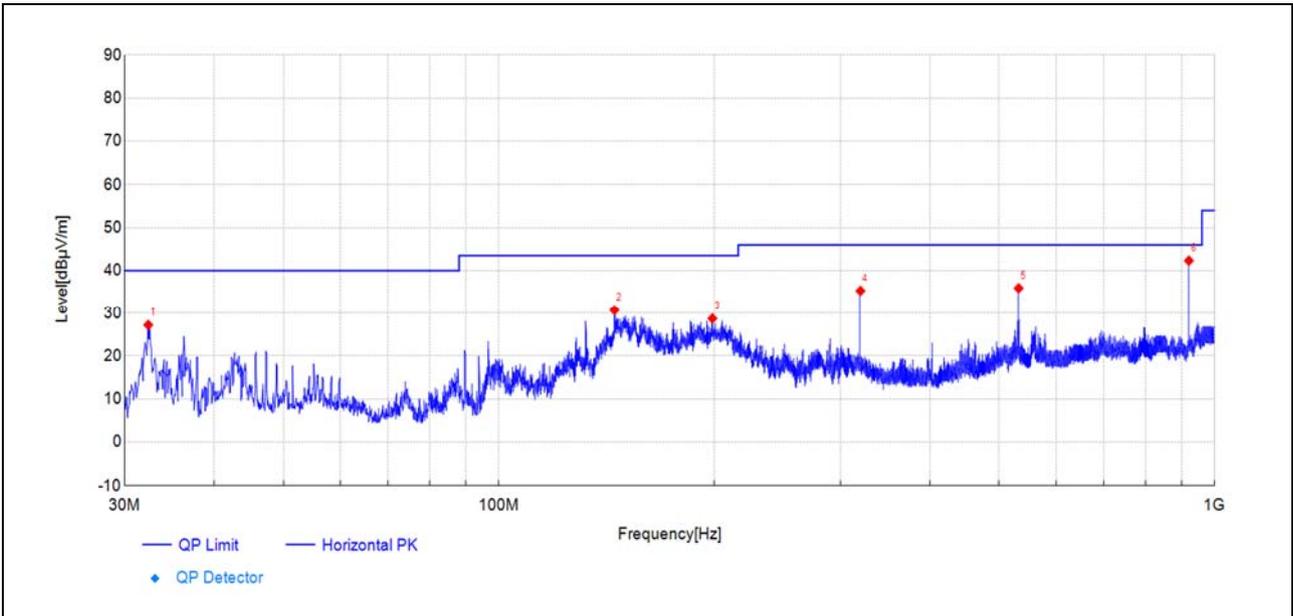
Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
32.28	59.1	28.67	-30.390	40.00	11.33	150	9	PK	PASS
50.57	55.9	27.91	-28.010	40.00	12.09	150	140	PK	PASS
89.75	55.5	23.90	-31.570	43.50	19.60	150	258	PK	PASS
320.00	59.0	34.21	-24.780	46.00	11.79	150	9	PK	PASS
531.71	46.2	27.55	-18.640	46.00	18.45	150	140	PK	PASS
797.55	42.9	28.78	-14.140	46.00	17.22	150	280	PK	PASS



(Antenna Vertical, 1GHz to 10GHz)

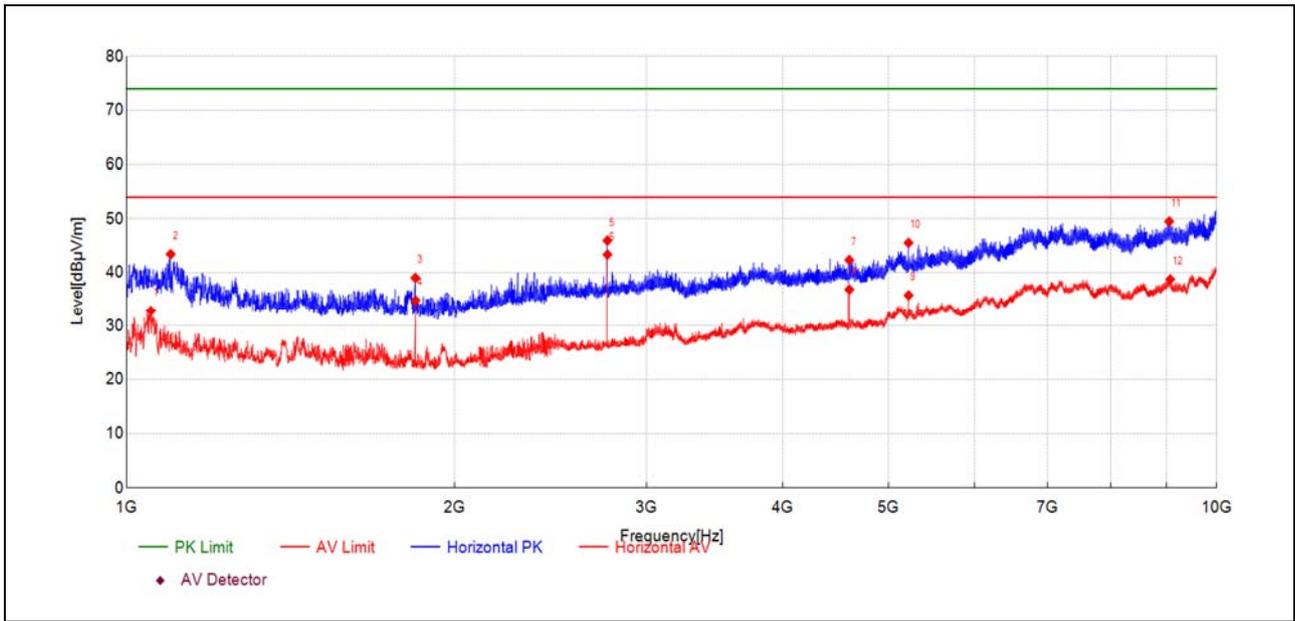
Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1120.02	60.9	40.62	-20.240	74.00	33.38	150	141	PK	PASS
1133.63	48.4	28.20	-20.190	54.00	25.80	150	119	AV	PASS
1680.14	59.7	40.43	-19.220	74.00	33.57	150	124	PK	PASS
1686.14	46.8	27.64	-19.180	54.00	26.36	150	146	AV	PASS
2759.95	63.5	50.74	-12.730	74.00	23.26	150	41	PK	PASS
2760.35	61.8	49.11	-12.730	54.00	4.89	150	41	AV	PASS
4554.57	48.2	41.74	-6.430	74.00	32.26	150	156	PK	PASS
4600.77	40.7	33.94	-6.780	54.00	20.06	150	26	AV	PASS
6131.54	34.8	36.04	1.250	54.00	17.96	150	165	AV	PASS
6382.63	48.1	49.14	1.070	74.00	24.86	150	9	PK	PASS
9436.70	42.3	50.37	8.110	74.00	23.63	150	221	PK	PASS
9650.44	30.3	39.81	9.500	54.00	14.19	150	108	AV	PASS

Plot for 920.4MHz



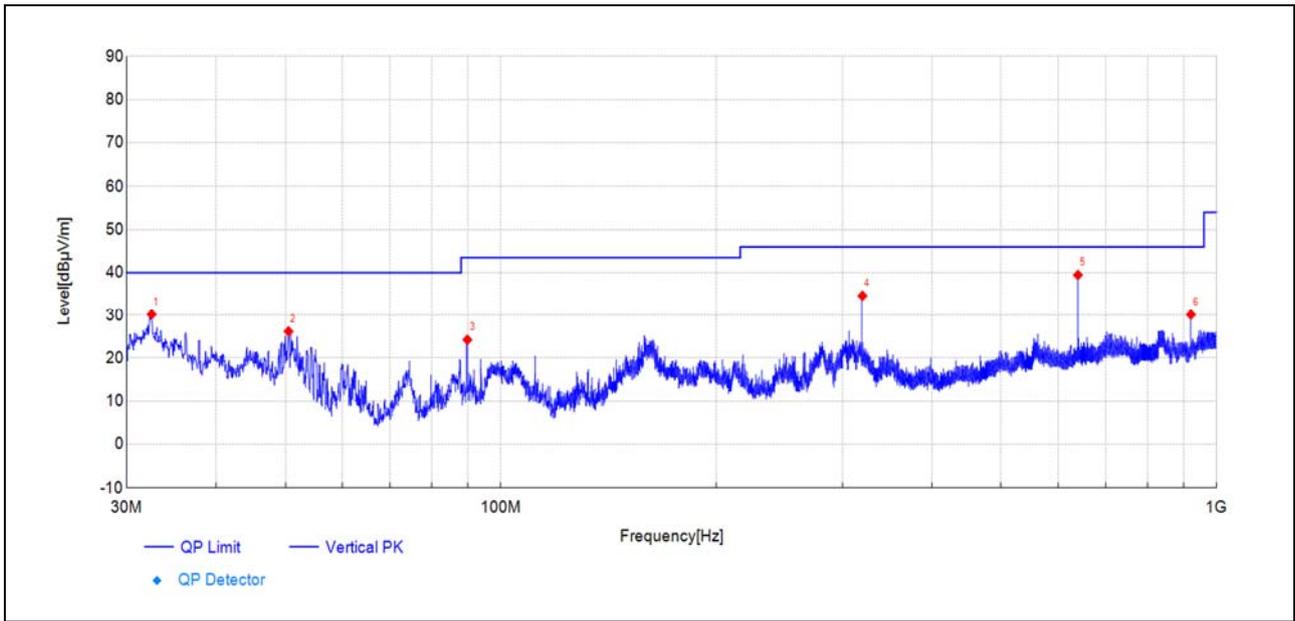
(Antenna Horizontal, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
32.38	57.6	27.17	-30.380	40.00	12.83	150	147	PK	PASS
145.05	62.0	30.67	-31.370	43.50	12.83	150	22	PK	PASS
198.79	57.5	28.69	-28.830	43.50	14.81	150	132	PK	PASS
320.00	60.1	35.27	-24.780	46.00	10.73	150	199	PK	PASS
532.24	54.6	35.89	-18.670	46.00	10.11	150	157	PK	PASS
920.41	54.1	42.33	-11.730	-	-	150	351	PK	NA



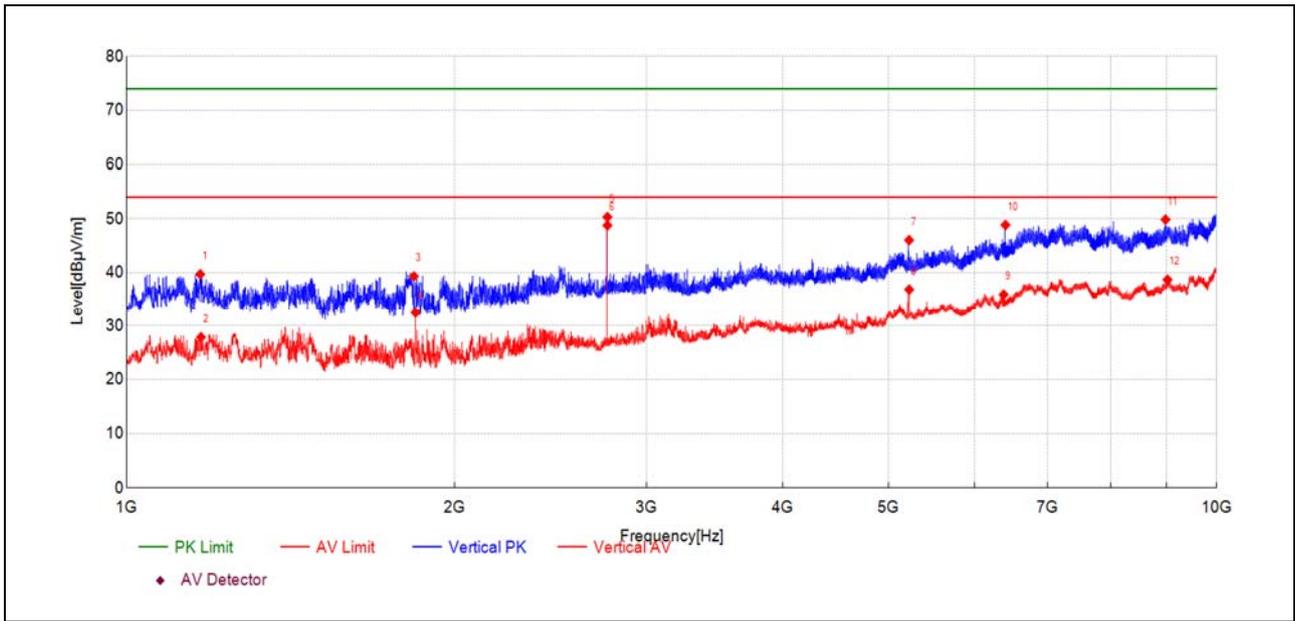
(Antenna Horizontal, 1GHz to 10GHz)

Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1052.81	52.8	32.83	-19.990	54.00	21.17	150	19	AV	PASS
1097.62	63.7	43.44	-20.290	74.00	30.56	150	14	PK	PASS
1840.57	57.4	39.02	-18.330	74.00	34.98	150	169	PK	PASS
1841.37	53.2	34.83	-18.320	54.00	19.17	150	169	AV	PASS
2761.15	58.7	45.97	-12.730	74.00	28.03	150	158	PK	PASS
2761.55	56.1	43.37	-12.730	54.00	10.63	150	158	AV	PASS
4602.17	49.1	42.36	-6.760	74.00	31.64	150	208	PK	PASS
4602.64	43.6	36.86	-6.760	54.00	17.14	150	208	AV	PASS
5216.35	39.2	35.78	-3.380	54.00	18.22	150	346	AV	PASS
5216.35	48.9	45.55	-3.380	74.00	28.45	150	346	PK	PASS
9044.20	42.4	49.52	7.130	74.00	24.48	150	256	PK	PASS
9066.14	31.6	38.75	7.130	54.00	15.25	150	329	AV	PASS



(Antenna Vertical, 30MHz to 1GHz)

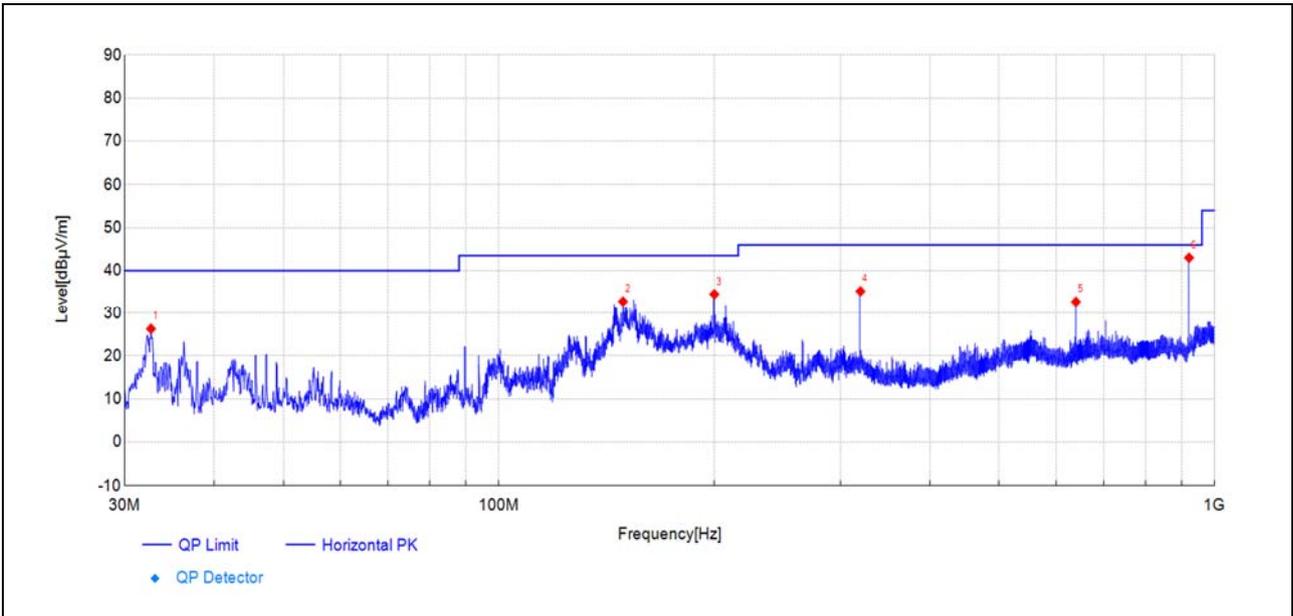
Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
32.52	60.5	30.14	-30.380	40.00	9.86	150	46	PK	PASS
50.52	54.2	26.18	-28.000	40.00	13.82	150	144	PK	PASS
89.80	55.8	24.23	-31.560	43.50	19.27	150	160	PK	PASS
320.00	59.4	34.63	-24.780	46.00	11.37	150	14	PK	PASS
640.02	56.0	39.47	-16.520	46.00	6.53	150	191	PK	PASS
920.41	41.8	30.10	-11.730	-	-	150	139	PK	NA



(Antenna Vertical, 1GHz to 10GHz)

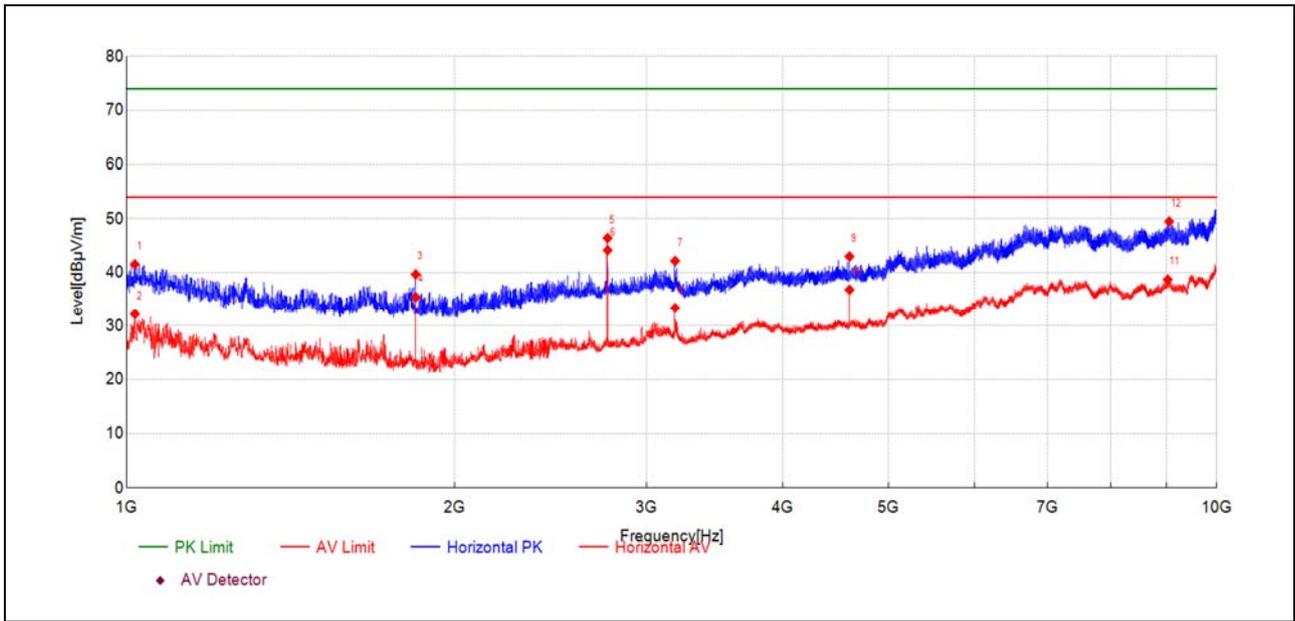
Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1168.43	59.6	39.71	-19.890	74.00	34.29	150	105	PK	PASS
1170.43	47.7	27.86	-19.850	54.00	26.14	150	133	AV	PASS
1834.97	57.7	39.33	-18.360	74.00	34.67	150	110	PK	PASS
1841.37	50.8	32.48	-18.320	54.00	21.52	150	181	AV	PASS
2761.15	63.1	50.33	-12.730	74.00	23.67	150	208	PK	PASS
2761.55	61.5	48.78	-12.730	54.00	5.22	150	203	AV	PASS
5222.41	49.3	46.05	-3.290	74.00	27.95	150	320	PK	PASS
5223.35	40.1	36.86	-3.270	54.00	17.14	150	320	AV	PASS
6376.09	34.9	35.94	1.090	54.00	18.06	150	88	AV	PASS
6400.83	47.9	48.86	1.010	74.00	25.14	150	25	PK	PASS
8975.60	43.5	49.86	6.370	74.00	24.14	150	337	PK	PASS
9013.40	32.1	38.70	6.620	54.00	15.30	150	146	AV	PASS

Plot for 920.8MHz



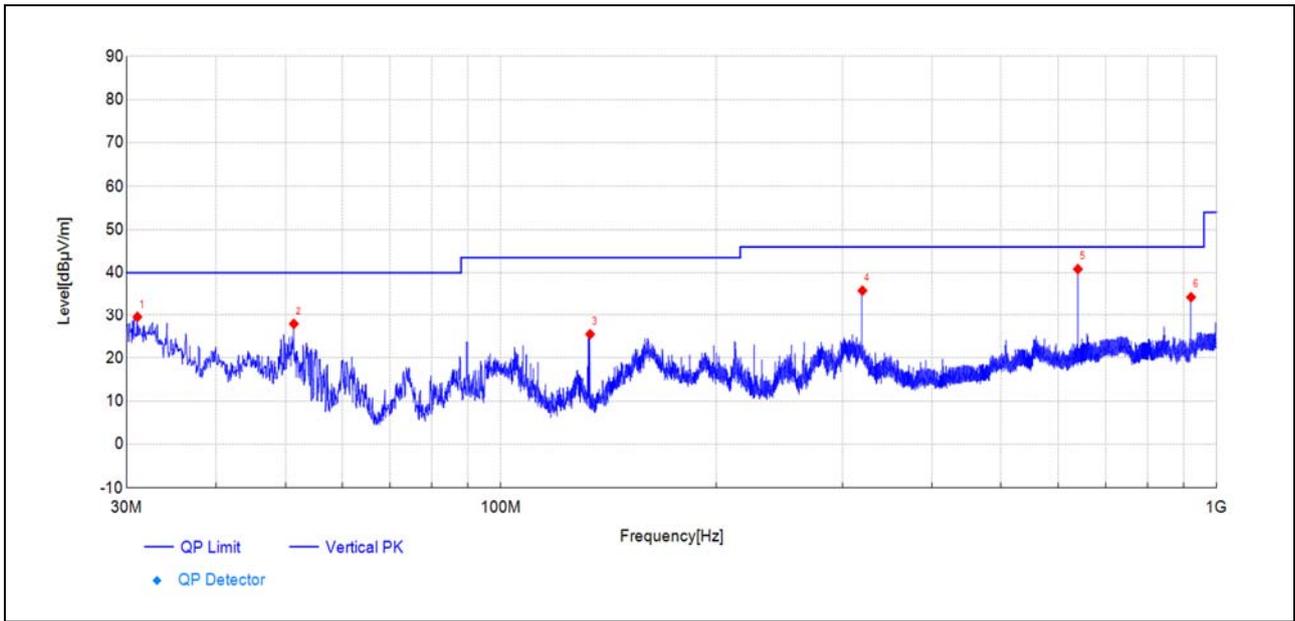
(Antenna Horizontal, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
32.67	56.7	26.28	-30.380	40.00	13.72	150	164	PK	PASS
149.07	64.4	32.78	-31.660	43.50	10.72	150	54	PK	PASS
200.00	63.2	34.49	-28.660	43.50	9.01	150	133	PK	PASS
320.00	60.0	35.17	-24.780	46.00	10.83	150	106	PK	PASS
640.02	49.2	32.72	-16.520	46.00	13.28	150	218	PK	PASS
920.80	54.8	43.01	-11.770	-	-	150	6	PK	NA



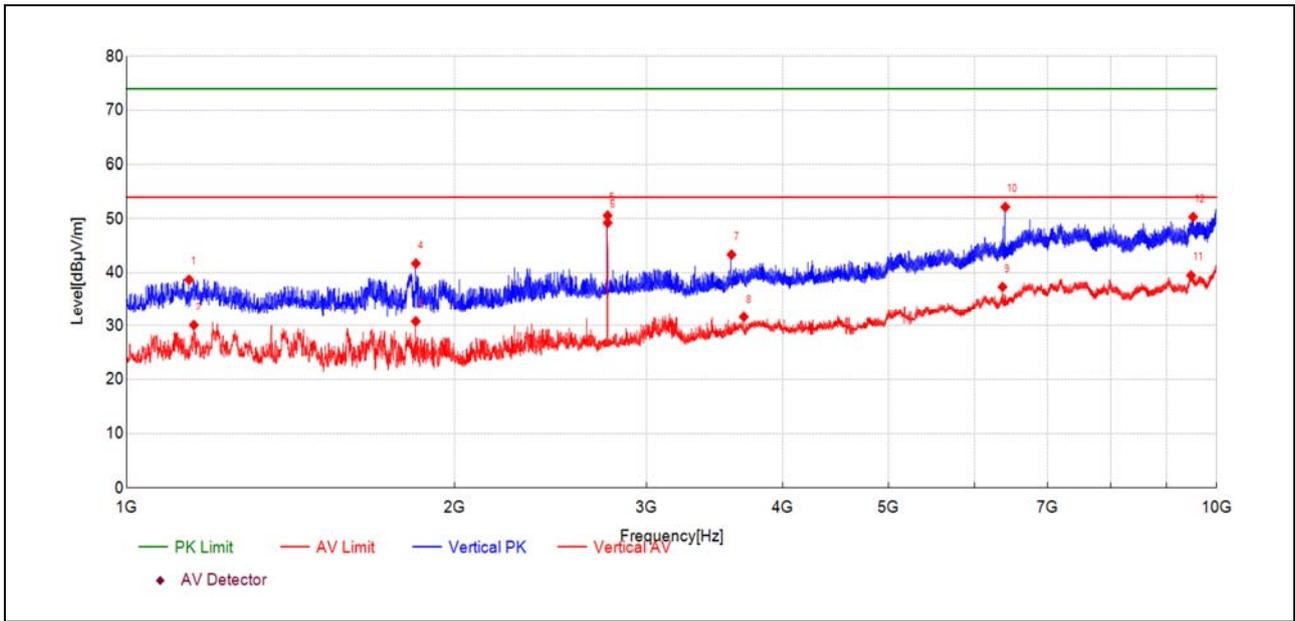
(Antenna Horizontal, 1GHz to 10GHz)

Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1017.60	61.3	41.57	-19.740	74.00	32.43	150	0	PK	PASS
1018.00	51.9	32.19	-19.750	54.00	21.81	150	0	AV	PASS
1841.77	58.0	39.68	-18.320	74.00	34.32	150	271	PK	PASS
1842.17	53.8	35.43	-18.320	54.00	18.57	150	271	AV	PASS
2762.35	59.2	46.43	-12.730	74.00	27.57	150	287	PK	PASS
2762.75	56.9	44.18	-12.740	54.00	9.82	150	292	AV	PASS
3185.28	52.9	42.17	-10.710	74.00	31.83	150	33	PK	PASS
3185.75	44.1	33.39	-10.720	54.00	20.61	150	33	AV	PASS
4604.04	49.8	43.02	-6.740	74.00	30.98	150	237	PK	PASS
4604.51	43.6	36.81	-6.740	54.00	17.19	150	237	AV	PASS
9017.13	32.0	38.71	6.680	54.00	15.29	150	355	AV	PASS
9045.14	42.4	49.50	7.140	74.00	24.50	150	206	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
31.07	60.1	29.52	-30.600	40.00	10.48	150	340	PK	PASS
51.39	56.0	27.91	-28.050	40.00	12.09	150	138	PK	PASS
133.26	57.3	25.51	-31.790	43.50	17.99	150	180	PK	PASS
320.00	60.6	35.84	-24.780	46.00	10.16	150	358	PK	PASS
640.02	57.4	40.84	-16.520	46.00	5.16	150	102	PK	PASS
920.80	46.1	34.33	-11.770	-	-	150	278	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
1141.23	58.9	38.71	-20.170	74.00	35.29	150	120	PK	PASS
1152.83	50.2	30.11	-20.100	54.00	23.89	150	126	AV	PASS
1842.17	49.1	30.80	-18.320	54.00	23.20	150	217	AV	PASS
1842.57	60.0	41.71	-18.320	74.00	32.29	150	88	PK	PASS
2762.35	63.3	50.60	-12.730	74.00	23.40	150	228	PK	PASS
2762.75	62.0	49.27	-12.740	54.00	4.73	150	233	AV	PASS
3588.51	52.6	43.36	-9.230	74.00	30.64	150	88	PK	PASS
3683.71	40.8	31.64	-9.120	54.00	22.36	150	272	AV	PASS
6361.16	36.2	37.36	1.160	54.00	16.64	150	96	AV	PASS
6398.96	51.2	52.19	1.010	74.00	21.81	150	112	PK	PASS
9471.70	31.1	39.50	8.450	54.00	14.50	150	168	AV	PASS
9514.17	42.0	50.35	8.330	74.00	23.65	150	9	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 Equipment 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	S10M100L38 02	LUCIX CORP.	2024.05.30	2025.05.29
Preamplifier (2GHz-18GHz)	61171/61172	S020180L32 03	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-K K-0.5	Qualwave	2024.07.03	2025.07.02
RF Coaxial Cable (DC-40GHz)	22290046	QA360-40-K KF-2	Qualwave	2024.07.03	2025.07.02
RF Coaxial Cable (DC-18GHz)	22120181	QA500-18-N N-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	2025.04.19	2028.04.18
Anechoic Chamber	N/A	9m*6m*6m	CRT	2022.11.30	2025.11.29

————— END OF REPORT —————