REPORT No.: SZ25060001W01

TEST REPORT

APPLICANT	:	Nice North America LLC
PRODUCT NAME	:	Super Switch Wireless Takeover Module
MODEL NAME	:	2GIG-TAKE100-345
BRAND NAME	:	2GIG
FCC ID	:	EF400258
STANDARD(S)	:	47 CFR Part 15 Subpart C
RECEIPT DATE	:	2025-06-03
TEST DATE	:	2025-06-16 to 2025-06-17
ISSUE DATE	:	2025-07-23

Edited by: Zeng Xiaoying (Rapporteur)

Approved by: Shen Junsheng (Supervisor)

MORLAB
Shenzhen Morlab Communications Technology Co., Ltd.
FL.1-3, Building A, FeiYang Science Park, No.8 LongChang Road,
Block67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
Tel: 86-755-36698555 Fax: 86-755-36698525
Http://www.morlab.cn E-mail: service@morlab.cn

DIRECTORY

Change History		
Version	**Date**	**Reason for change**
1.0	2025-07-23	First edition

1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Nice North America LLC
Applicant Address:	5919 Sea Otter Place, Suite 100, Carlsbad, CA 92010, USA
Manufacturer:	Nice North America LLC
Manufacturer Address:	5919 Sea Otter Place, Suite 100, Carlsbad, CA 92010, USA

1.2. Equipment Under Test (EUT) Description

Product Name:	Super Switch Wireless Takeover Module
Sample No.:	2#, 3#
Hardware Version:	X1
Software Version:	X1
Operating Frequency:	345 MHz
Channel Number:	1
Antenna Type:	Metal Antenna
Antenna Gain:	-2.24dBi

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. 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 (10-1-15 Edition)	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	15.231(a)(1)	The Max Transmission Time	Jun. 17, 2025	Lin Haoyang	PASS	/
3	15.231(c)	20dB Bandwidth	Jun. 17, 2025	Lin Haoyang	PASS	/
4	15.207	Conducted Emission	Jun. 17, 2025	Fan Shengquan	PASS	/
5	15.231(b) 15.209(a)	Radiated Emission	Jun. 17, 2025	Gao Jianrou	PASS	/
6	15.231(b) 15.205	Restricted Frequency Bands	Jun. 17, 2025	Gao Jianrou	PASS	/

Note 1: The tests were performed according to the method of measurements prescribed in ANSI C63.10-2013.

Note 2: Any additions, deviation, or exclusions from the method shall be noted in the “Remark".

1.4. 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.

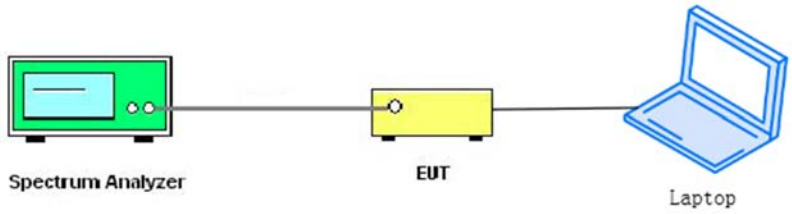
2.2. The Max Transmission Time

2.2.1. Requirement

A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.

2.2.2. Test Description

Test Setup:



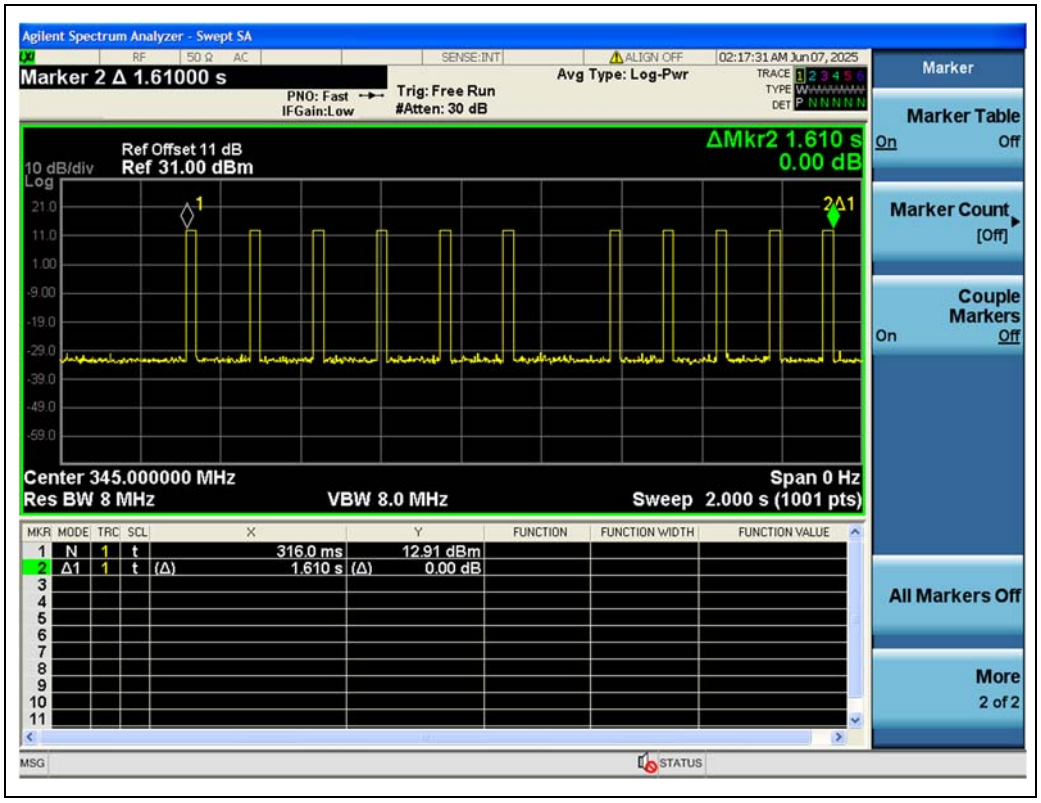
2.2.3. Test Procedure

Set the SPA Center Frequency = Fundamental frequency,
Span = 0 Hz, change the weep time until get the burst in the screen.
Set EUT as normal operation and press Transmitter button.
Set the SPA View. Delta Mark time.

2.2.4. Test Result

Frequency (MHz)	The max transmission time (s)	Limit (s)	Verdict
345	1.161	≤5	PASS

Test Plot:



(The max transmission time)

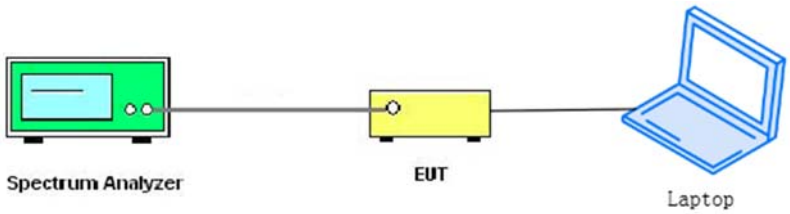
2.3. 20 dB Bandwidth

2.3.1. Requirement

The bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70 MHz and below 900 MHz. For devices operating above 900 MHz, the emission shall be no wider than 0.5% of the center frequency. Bandwidth is determined at the points 20 dB down from the modulated carrier.
As the center frequency for the device operating is 345 MHz, thus, the 20 dB bandwidth limit is 1085 kHz.

2.3.2. Test Description

Test Setup:



2.3.3. Test Procedure

Set spectrum analyzer's Center Frequency = Fundamental frequency, RBW, VBW and span to applicable value with Peak in max hold, a Peak output reading and 20 db Bandwidth function in spectrum analyzer were taken.

2.3.4. Test Result

Frequency (MHz)	20 dB Bandwidth (kHz)	Limits (MHz)	Verdict
345	22.49	≤0.8625	PASS

Test Plot:

(Bandwidth)

2.4. Conducted Emission

2.4.1. 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 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 μH/50 Ω 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

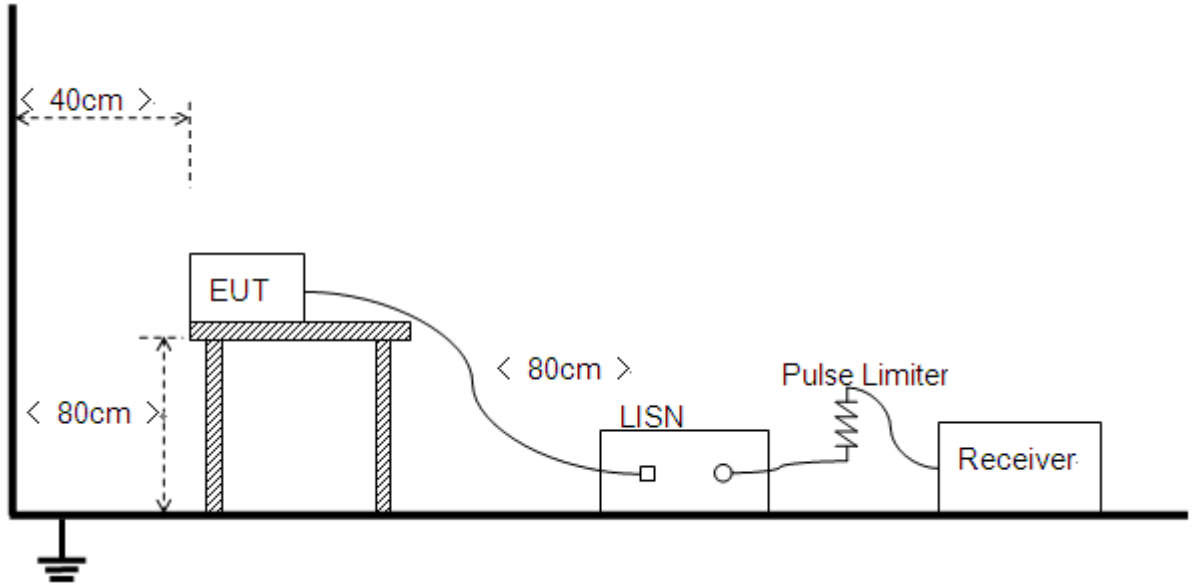
Note:

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

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

2.4.2. Test Description

Test Setup:



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

2.4.3. 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 + 345MHz TX

Test voltage: AC 120V/60Hz

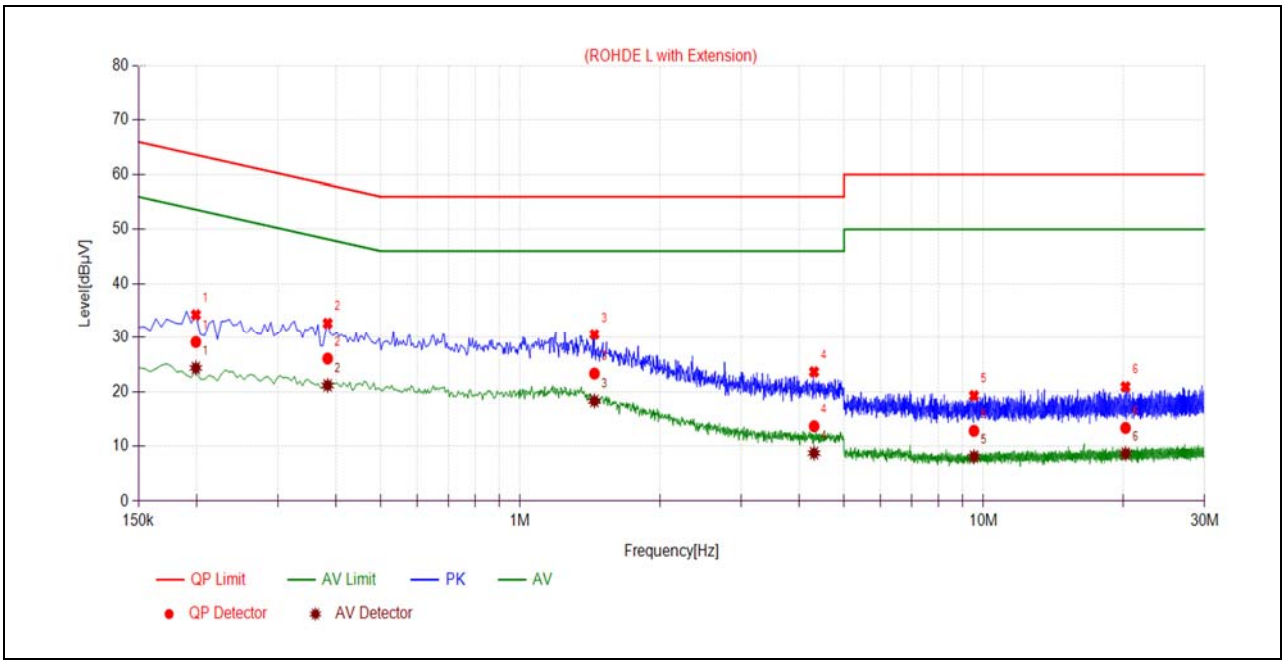
The measurement results are obtained as below:

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

U_R: Receiver Reading

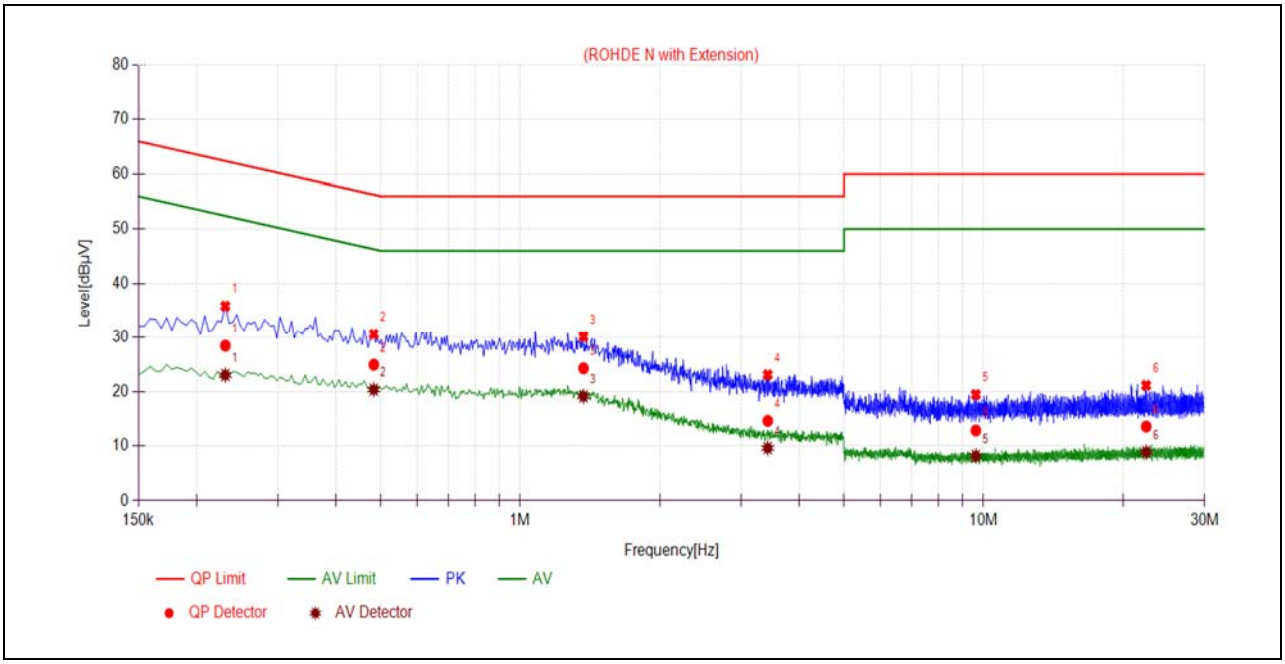
A_{Factor}: Voltage division factor of LISN

B.Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1995	29.13	24.34	63.63	53.63	Line	PASS
2	0.3840	26.07	21.13	58.19	48.19		PASS
3	1.4459	23.31	18.28	56.00	46.00		PASS
4	4.3083	13.64	8.71	56.00	46.00		PASS
5	9.5370	12.80	8.07	60.00	50.00		PASS
6	20.2566	13.33	8.63	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	0.2310	28.46	23.02	62.41	52.41	Neutral	PASS
2	0.4830	24.95	20.34	56.29	46.29		PASS
3	1.3696	24.28	19.09	56.00	46.00		PASS
4	3.4217	14.59	9.58	56.00	46.00		PASS
5	9.6272	12.82	8.13	60.00	50.00		PASS
6	22.4403	13.55	8.85	60.00	50.00		PASS

2.5. Radiated Emission

2.5.1. Requirement

According to FCC section 15.247(d), radiated emission outside the frequency band attenuation below the general limits specified in FCC section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in FCC section 15.205(a), must also comply with the radiated emission limits specified in FCC section 15.209(a).

According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (μV/m)	Measurement Distance (m)
0.009–0.490	2400/F (kHz)	300
0.490–1.705	24000/F (kHz)	30
1.705–30.0	30	30
30–88	100	3
88–216	150	3
216–960	200	3
Above 960	500	3

FCC Part 15.231(b)

Fundamental frequency (MHz)	Field strength of fundamental (microvolts/meter)	Field strength of spurious emission (microvolts/meter)
40.66–40.70	2250	225
70–130	1250	125
130–174	1250 to 3750	125 to 375
174–260	3750	375
260–470	3750 to 12500	375 to 1250
Above 470	12500	1250

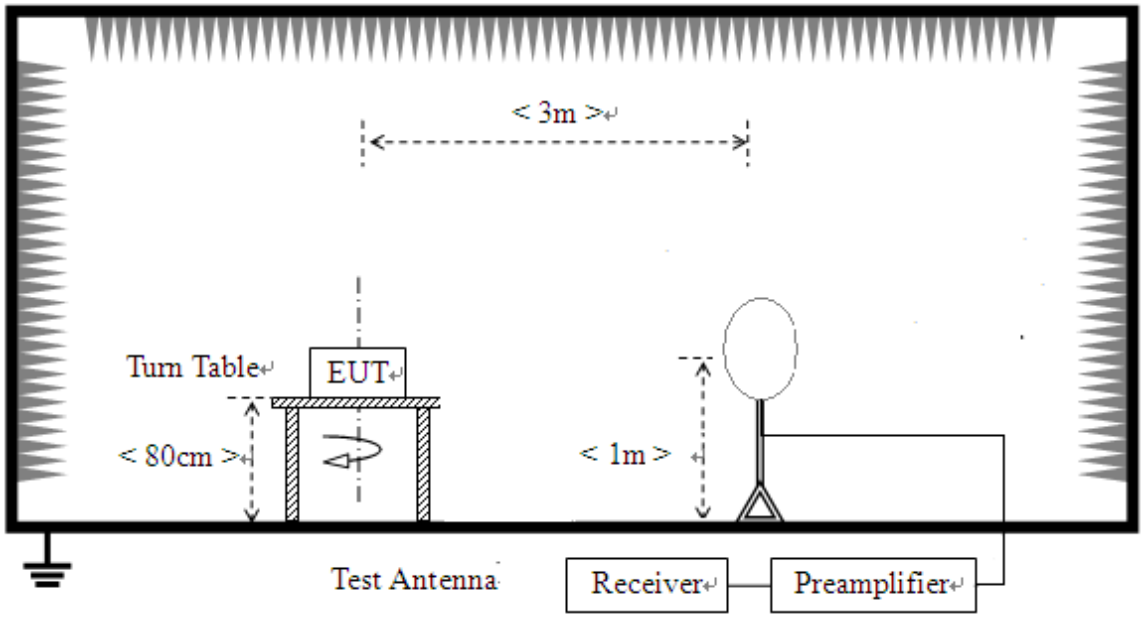
Note 1: For Above 1000 MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.
Note 2: For above 1000 MHz, limit field strength of harmonics: 54 dBuV/m@3m (AV) and 74 dBuV/m@3m (PK)

In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), also should comply with the radiated emission limits specified in Section 15.209(a)(above table).

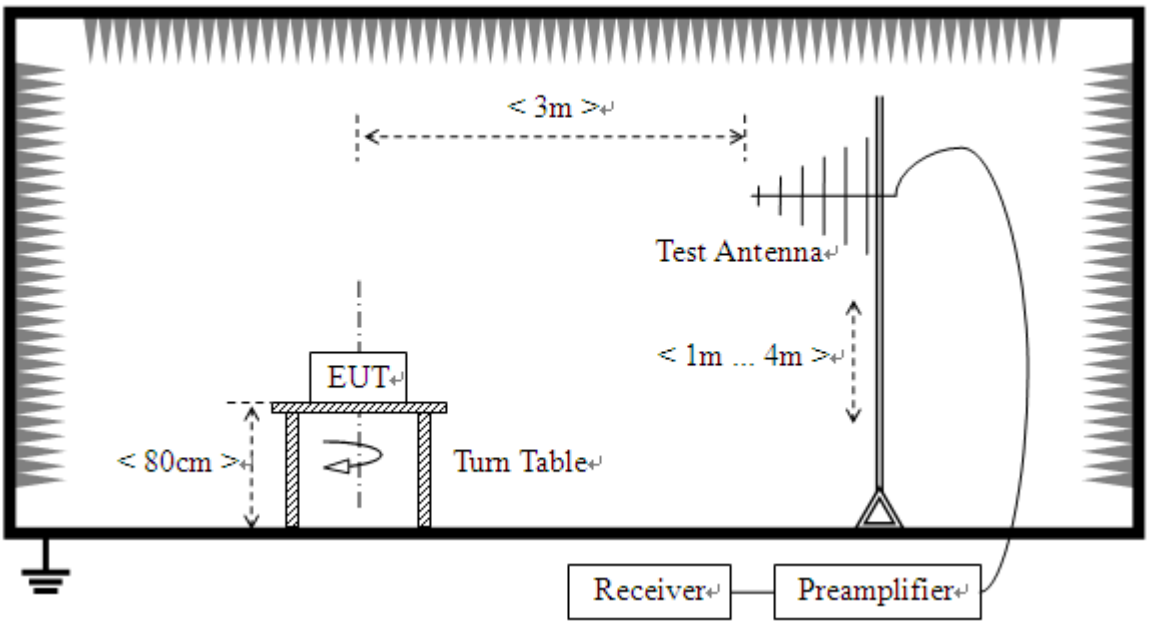
2.5.2. Test Description

Test Setup:

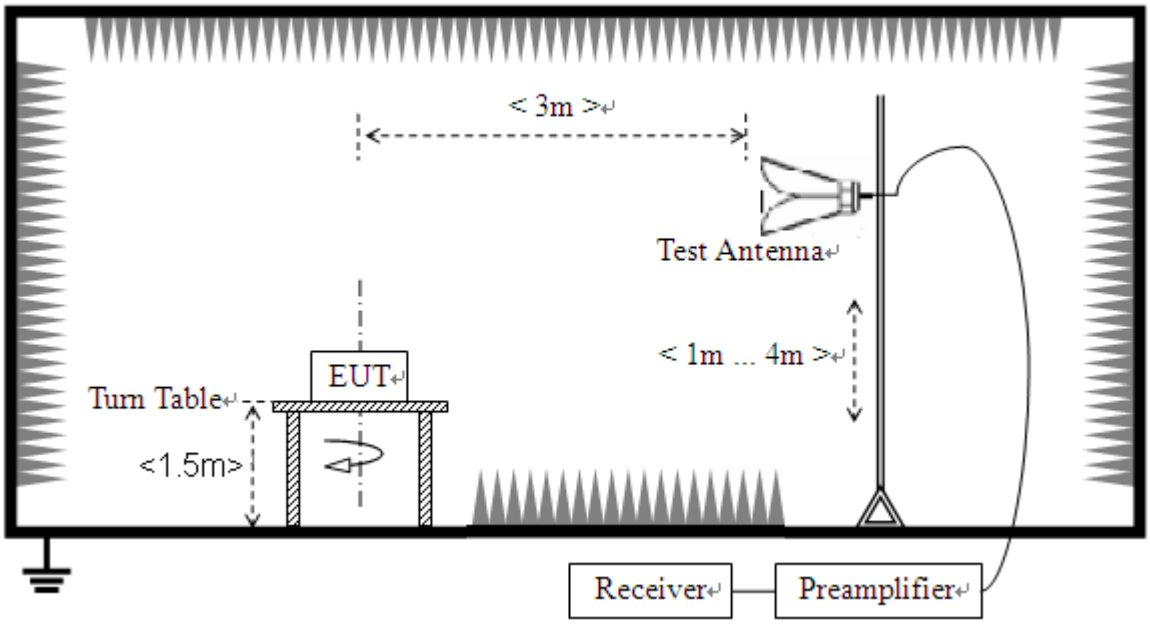
1) For radiated emissions from 9 kHz to 30 MHz



2) For radiated emissions from 30 MHz to1 GHz



3) For radiated emissions above 1 GHz



The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1 GHz; 1.5 m above the ground plane for measurement above 1 GHz. 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 30 MHz, the emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9 kHz to 90 kHz, 110 kHz to 490 kHz. Radiated emission limits in these two bands are based on measurements employing an average detector.

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

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

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. 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.

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 3 m

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

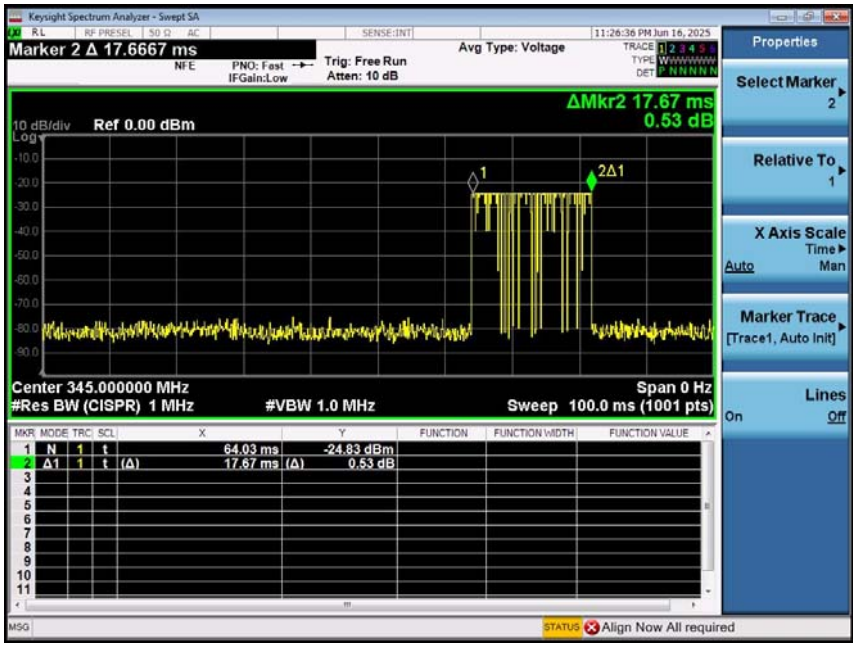
Note1: All radiated emission tests were performed in X, Y, Z axis direction. And only the worst axis (Z axis) test condition was recorded in this test report.

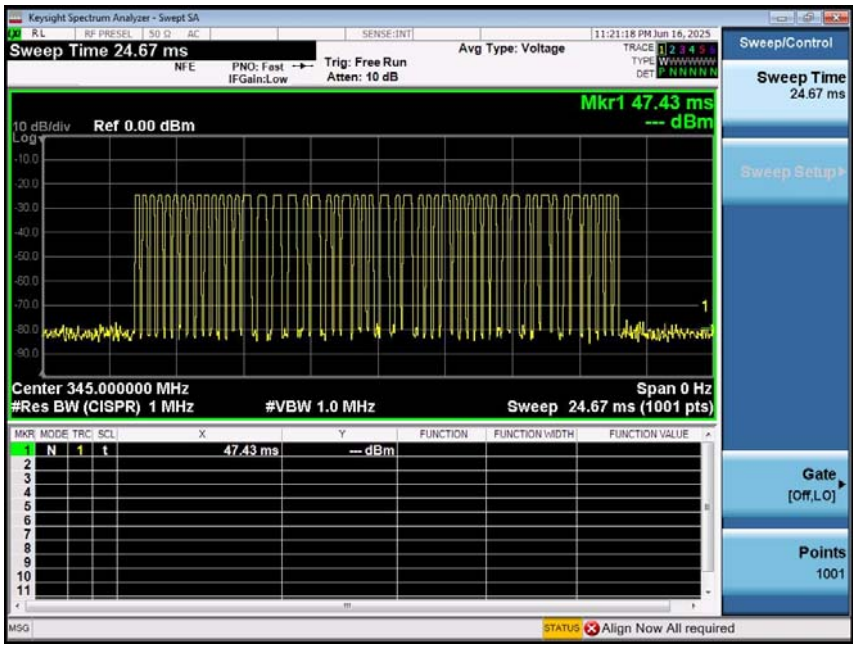
Note2: For the frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit was not recorded.

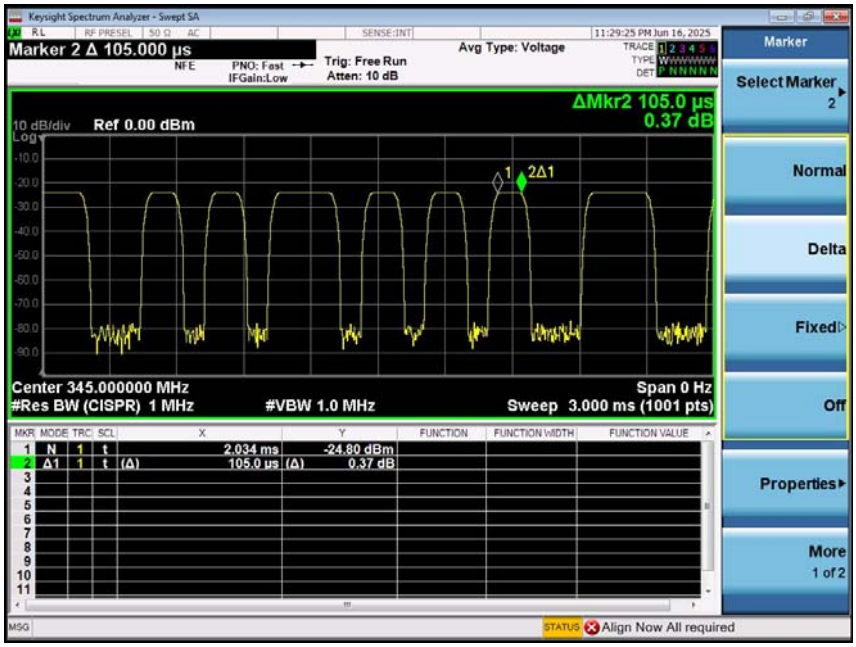
The duty cycle is simply the on-time divided by the period:

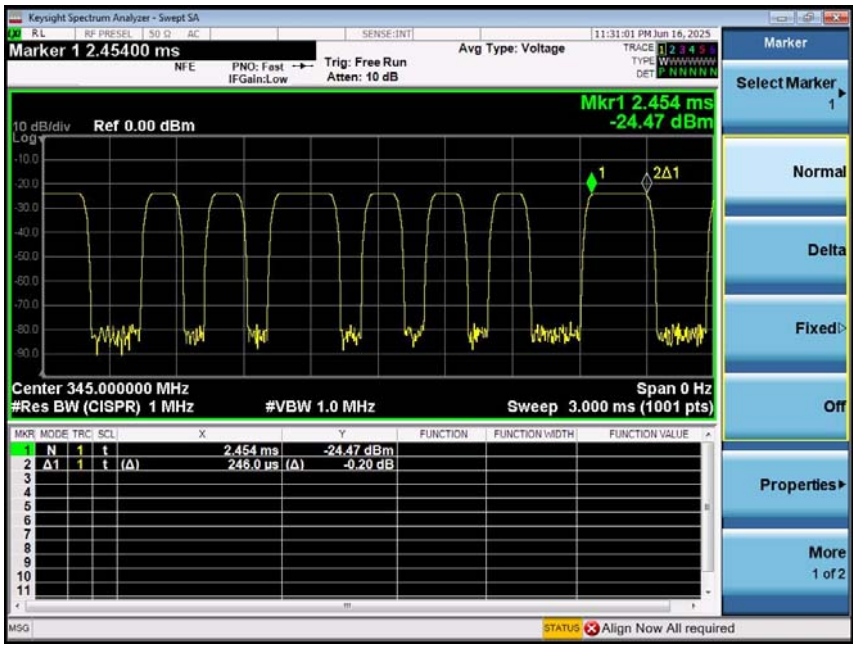
Ton (ms):	40*0.105 ms + 12*0.246 ms = 7.152
Ton+Toff (ms):	100
Duty cycle (%):	7.152

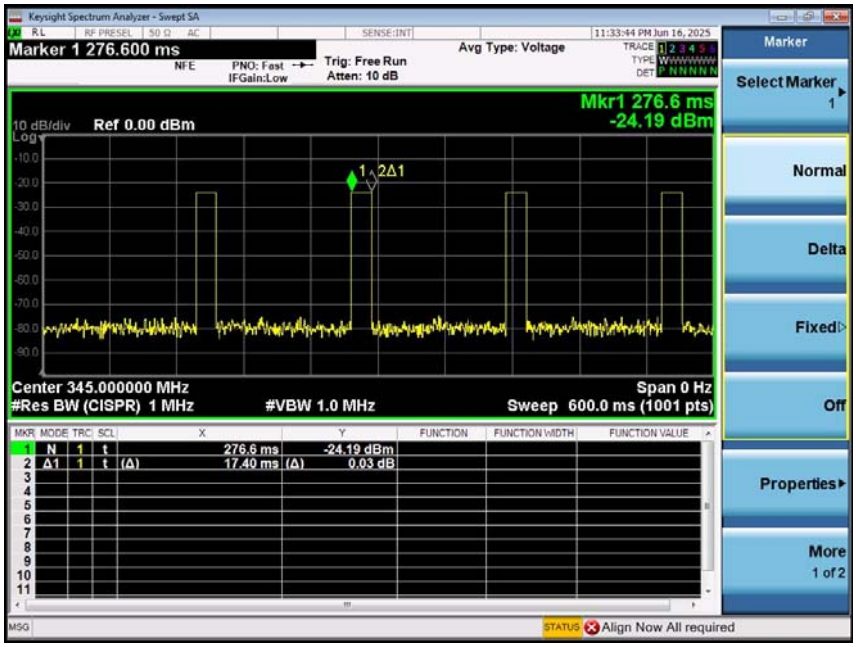
Therefore, the average factor is found by 20log(Duty cycle) = -22.91 dB, AV factor=-20dB






Keysight Spectrum Analyzer - Swept SA
Marker 2 Δ 105.000 µs
Avg Type: Voltage
Trig: Free Run
Atten: 10 dB
ΔMkr2 105.0 µs
0.37 dB
10 dB/div
Ref 0.00 dBm
Center 345.000000 MHz
#Res BW (CISPR) 1 MHz
#VBW 1.0 MHz
Span 0 Hz
Sweep 3.000 ms (1001 pts)
1 N 1 t 2.034 ms -24.80 dBm
2 Δ1 1 t (Δ) 105.0 µs (Δ) 0.37 dB
Marker
Select Marker 2
Normal
Delta
Fixed
Off
Properties
More 1 of 2
Align Now All required


Keysight Spectrum Analyzer - Swept SA
Marker 1 2.45400 ms
Avg Type: Voltage
Trig: Free Run
Atten: 10 dB
Mkr1 2.454 ms
-24.47 dBm
10 dB/div
Ref 0.00 dBm
Center 345.000000 MHz
#Res BW (CISPR) 1 MHz
#VBW 1.0 MHz
Span 0 Hz
Sweep 3.000 ms (1001 pts)
1 N 1 t 2.454 ms -24.47 dBm
2 Δ1 1 t (Δ) 246.0 µs (Δ) -0.20 dB
Marker
Select Marker 1
Normal
Delta
Fixed
Off
Properties
More 1 of 2
Align Now All required

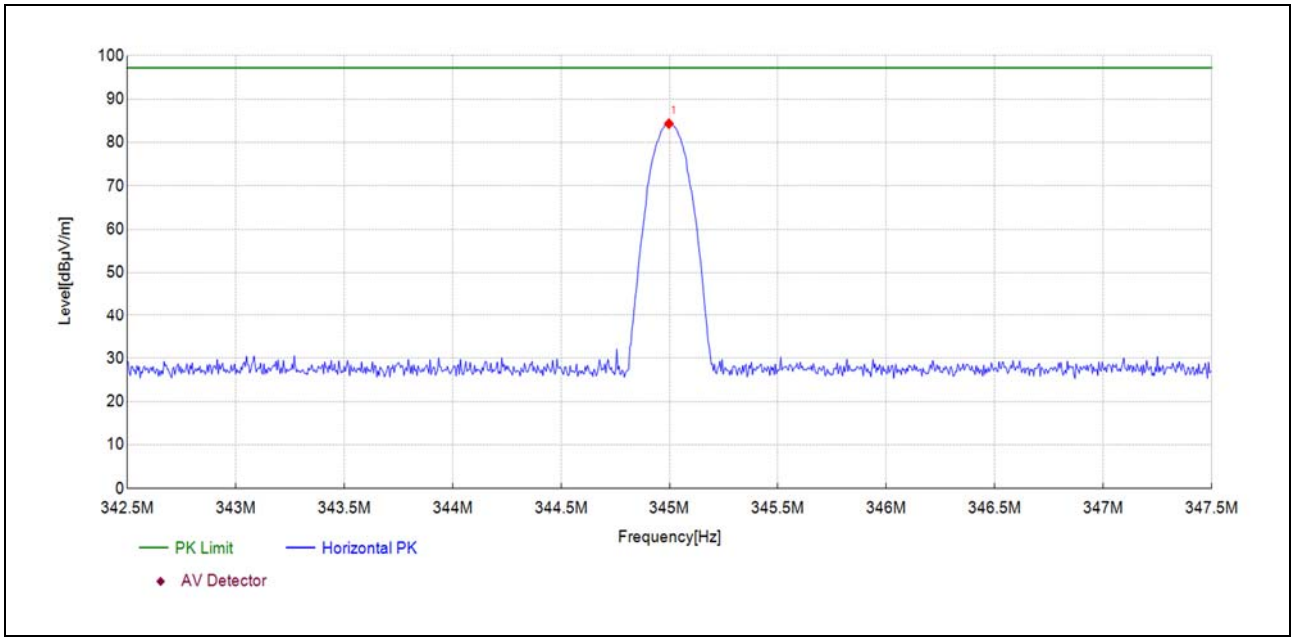

Keysight Spectrum Analyzer - Swept SA
Marker 1 276.600 ms
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 10 dB
Avg Type: Voltage
11:33:44 PM Jun 16, 2025
Mkr1 276.6 ms
-24.19 dBm
10 dB/div
Ref 0.00 dBm
Center 345.000000 MHz
#Res BW (CISPR) 1 MHz
#VBW 1.0 MHz
Span 0 Hz
Sweep 600.0 ms (1001 pts)
1 N 1 t 276.6 ms -24.19 dBm
2 Δ1 1 t (Δ) 17.40 ms (Δ) 0.03 dB
Marker
Select Marker
Normal
Delta
Fixed
Off
Properties
More
1 of 2
Align Now All required

(Duty cycle)

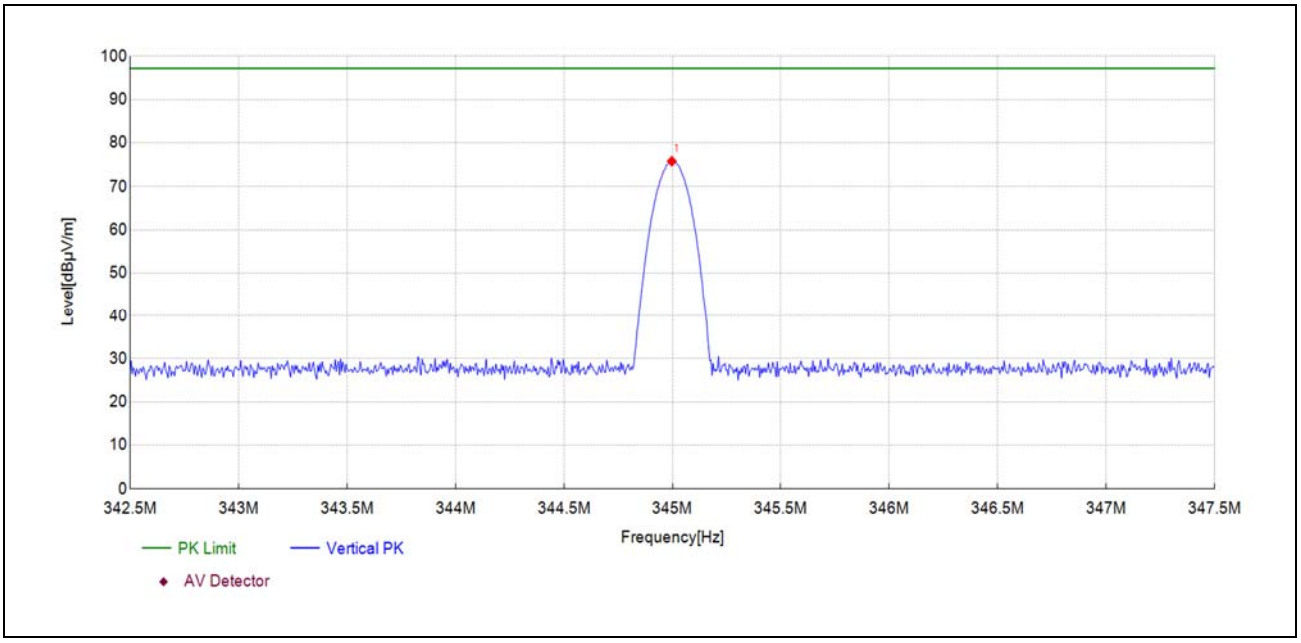
A. Field strength of fundamental

Fre. (MHz)	ANT	Receiver Reading U_R(PK) (dBuV)	A_{Factor} (dB@ 3m)	Final Emission _PK (dBuV/m)	Limit-PK (dBμV/m)	AV factor (dB)	Final Emission _AV (dBuV/m)	Limit-AV (dBμV/m)	Verdict
345	H	66.70	17.67	84.37	97.25	-20.00	64.37	77.25	PASS
345	V	58.10	17.67	75.77	97.25	-20.00	55.77	77.25	PASS

Test Plot:

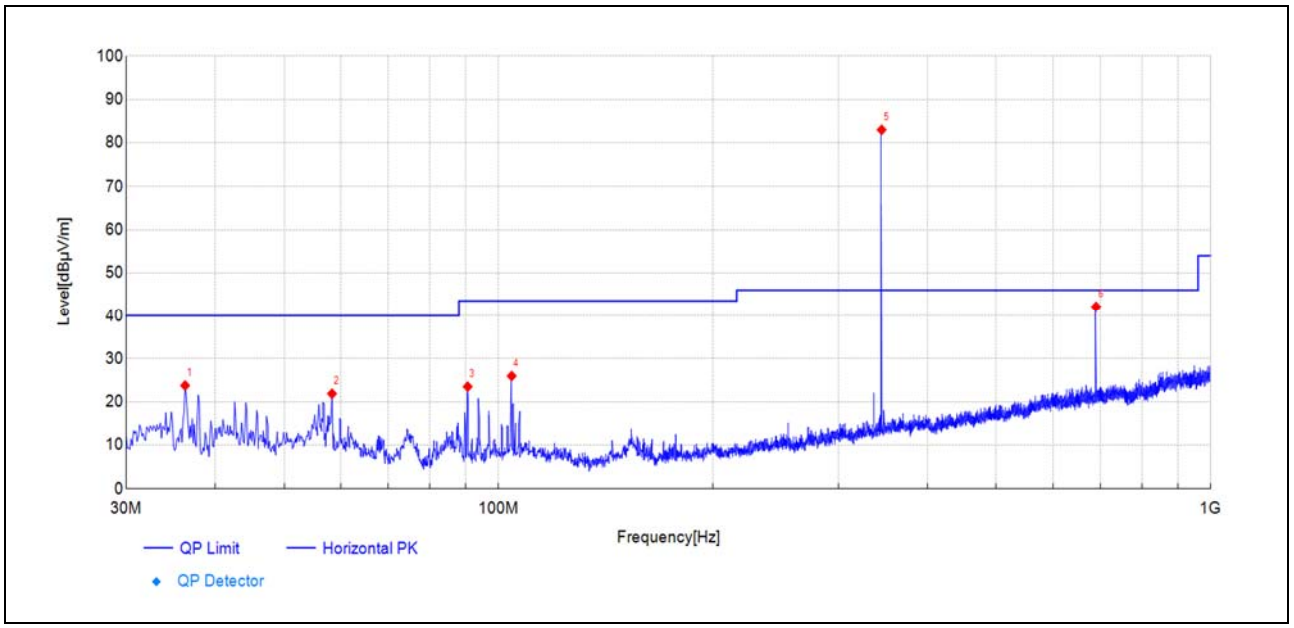


(Antenna Horizontal)



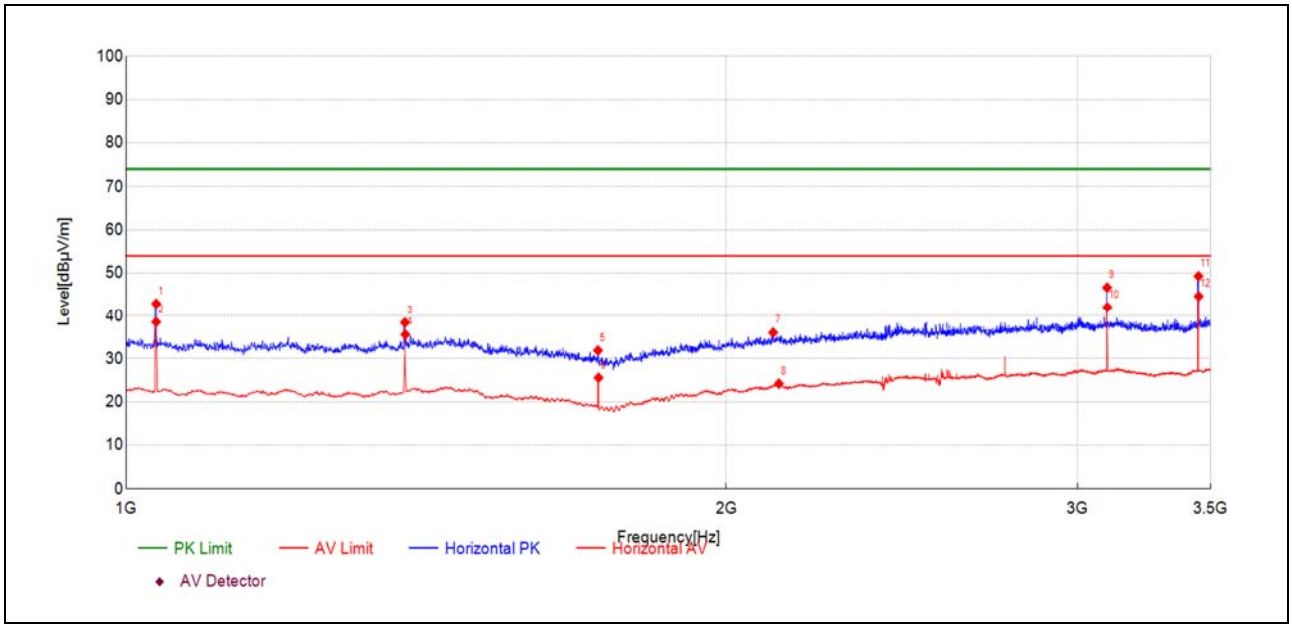
(Antenna Vertical)

B. Radiated emission



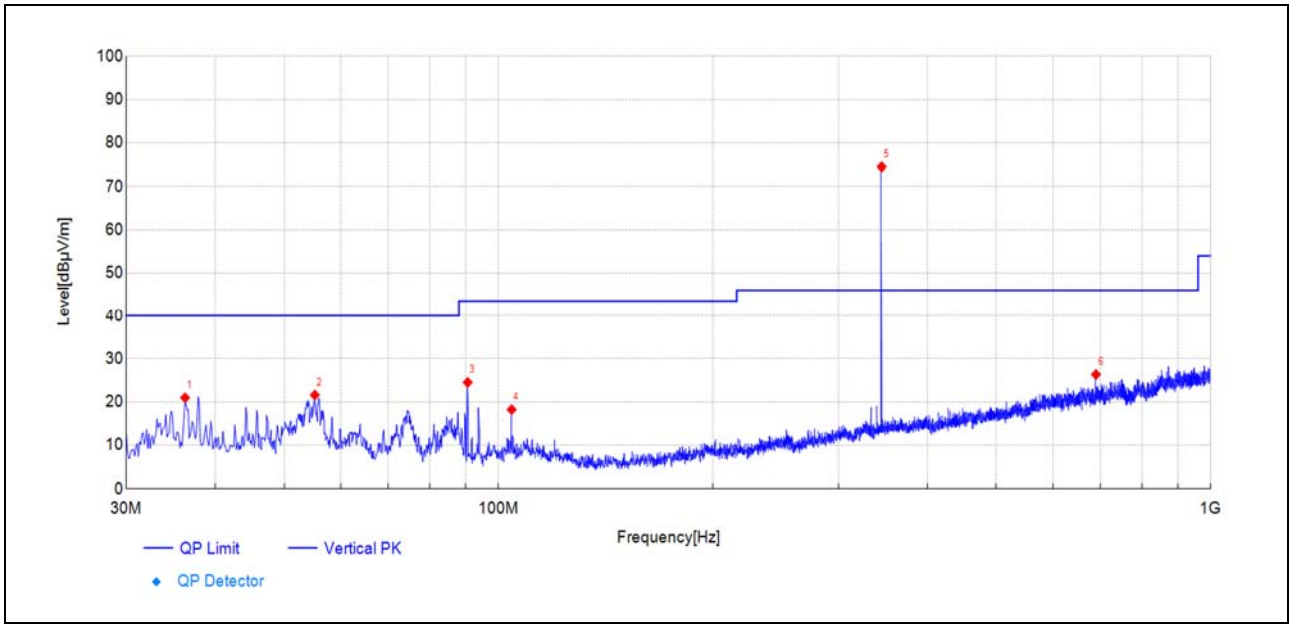
(Antenna Horizontal, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
36.31	53.3	23.77	-29.500	40.00	16.23	150	14	36.31	PASS
58.38	50.1	21.87	-28.270	40.00	18.13	150	240	58.38	PASS
90.51	55.0	23.51	-31.460	43.50	19.99	150	358	90.51	PASS
104.34	55.5	25.97	-29.500	43.50	17.53	150	22	104.34	PASS
345.05	107.1	82.99	-24.120	-	-	150	133	345.05	NA
690.05	58.3	42.14	-16.190	46.00	3.86	150	133	690.05	PASS



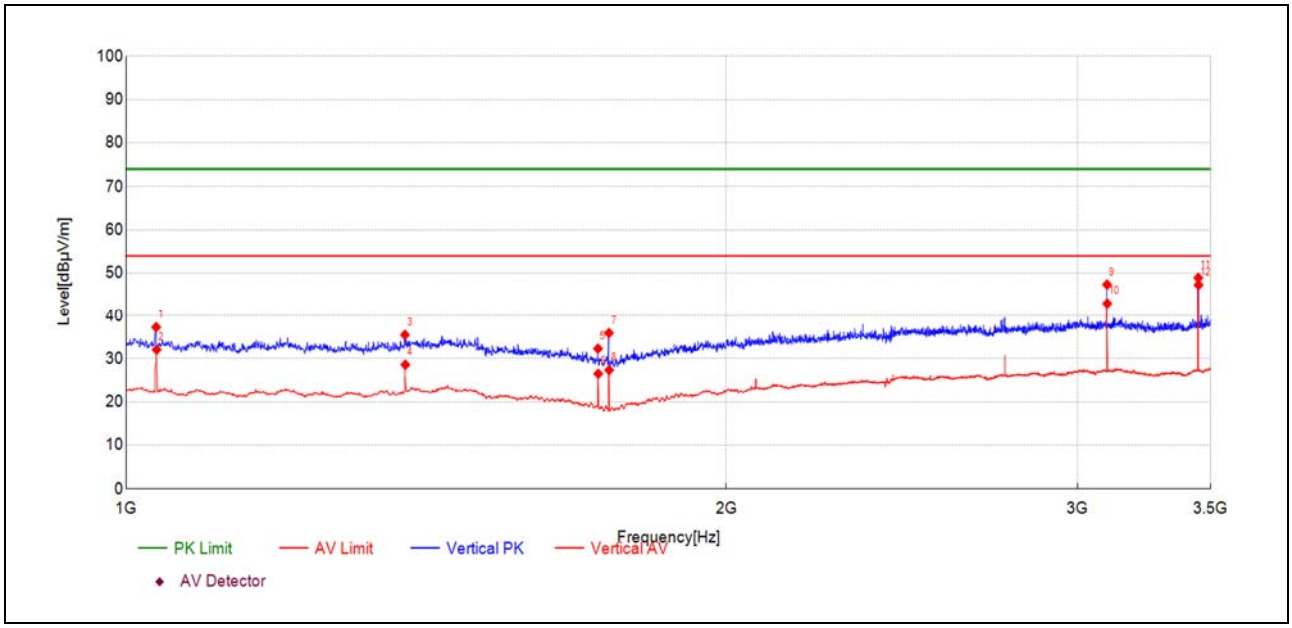
(Antenna Horizontal, 1GHz to 3.5GHz)

Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1035.37	62.8	42.88	-19.870	74.00	31.12	150	98	PK	PASS
1035.37	58.4	38.52	-19.870	54.00	15.48	150	98	AV	PASS
1379.97	57.5	38.41	-19.120	74.00	35.59	150	334	PK	PASS
1380.58	54.7	35.61	-19.120	54.00	18.39	150	328	AV	PASS
1724.57	50.9	31.90	-18.960	74.00	42.10	150	35	PK	PASS
1725.79	44.5	25.58	-18.950	54.00	28.42	150	35	AV	PASS
2111.25	52.5	36.05	-16.400	74.00	37.95	150	213	PK	PASS
2125.27	40.5	24.20	-16.290	54.00	29.80	150	171	AV	PASS
3104.78	57.9	46.63	-11.280	74.00	27.37	150	9	PK	PASS
3106.00	53.3	42.03	-11.270	54.00	11.97	150	9	AV	PASS
3450.60	59.3	49.29	-10.000	74.00	24.71	150	213	PK	PASS
3451.21	54.6	44.60	-10.010	54.00	9.40	150	213	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
36.31	50.5	20.96	-29.500	40.00	19.04	150	130	PK	PASS
55.22	49.4	21.58	-27.830	40.00	18.42	150	182	PK	PASS
90.51	56.0	24.51	-31.460	43.50	18.99	150	191	PK	PASS
104.34	47.7	18.21	-29.500	43.50	25.29	150	324	PK	PASS
345.05	98.6	74.51	-24.120	-	-	150	209	PK	NA
689.92	42.5	26.34	-16.200	46.00	19.66	150	72	PK	PASS



(Antenna Vertical, 1GHz to 3.5GHz)

Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1035.37	57.2	37.29	-19.870	74.00	36.71	150	351	PK	PASS
1035.98	52.0	32.08	-19.870	54.00	21.92	150	351	AV	PASS
1379.97	54.6	35.50	-19.120	74.00	38.50	150	36	PK	PASS
1380.58	47.7	28.59	-19.120	54.00	25.41	150	36	AV	PASS
1724.57	51.3	32.31	-18.960	74.00	41.69	150	30	PK	PASS
1725.18	45.5	26.49	-18.960	54.00	27.51	150	30	AV	PASS
1746.52	54.8	35.93	-18.830	74.00	38.07	150	314	PK	PASS
1747.13	46.2	27.36	-18.830	54.00	26.64	150	320	AV	PASS
3104.78	58.6	47.34	-11.280	74.00	26.66	150	109	PK	PASS
3105.39	54.2	42.94	-11.280	54.00	11.06	150	120	AV	PASS
3449.99	58.9	48.91	-10.000	74.00	25.09	150	151	PK	PASS
3450.60	57.3	47.25	-10.000	54.00	6.75	150	156	AV	PASS

2.6. Restricted Frequency Bands

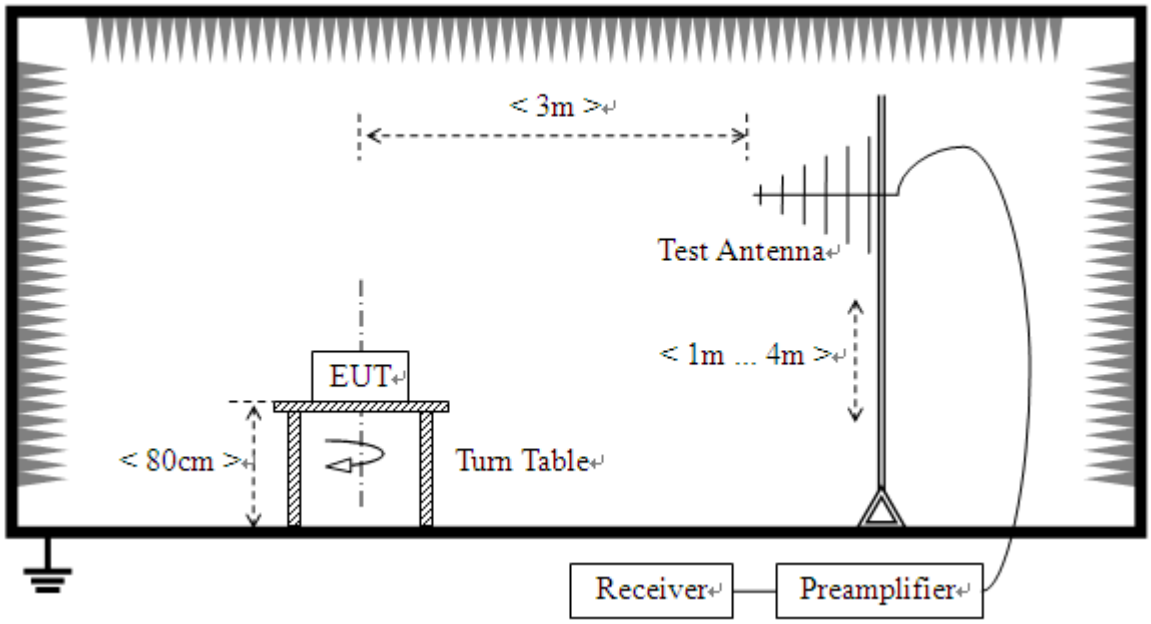
2.6.1. Requirement

Except as shown in paragraph (d) of section 15.205(d), only spurious emissions are permitted in any of the frequency bands listed below:

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])
13.36–13.41			

2.6.2. Test Description

1) Test Setup

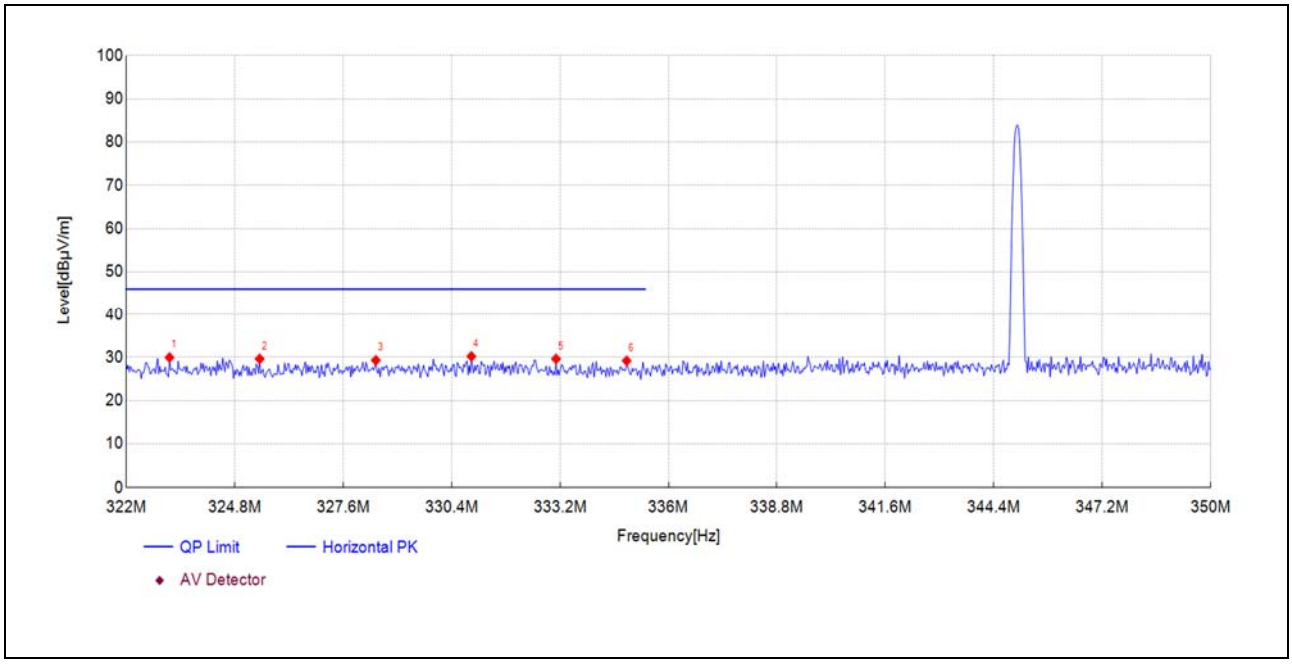


The EUT is located in a 3 m Semi-Anechoic Chamber; the antenna factors, cable loss and so on of the site as factors are calculated to correct the reading.

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

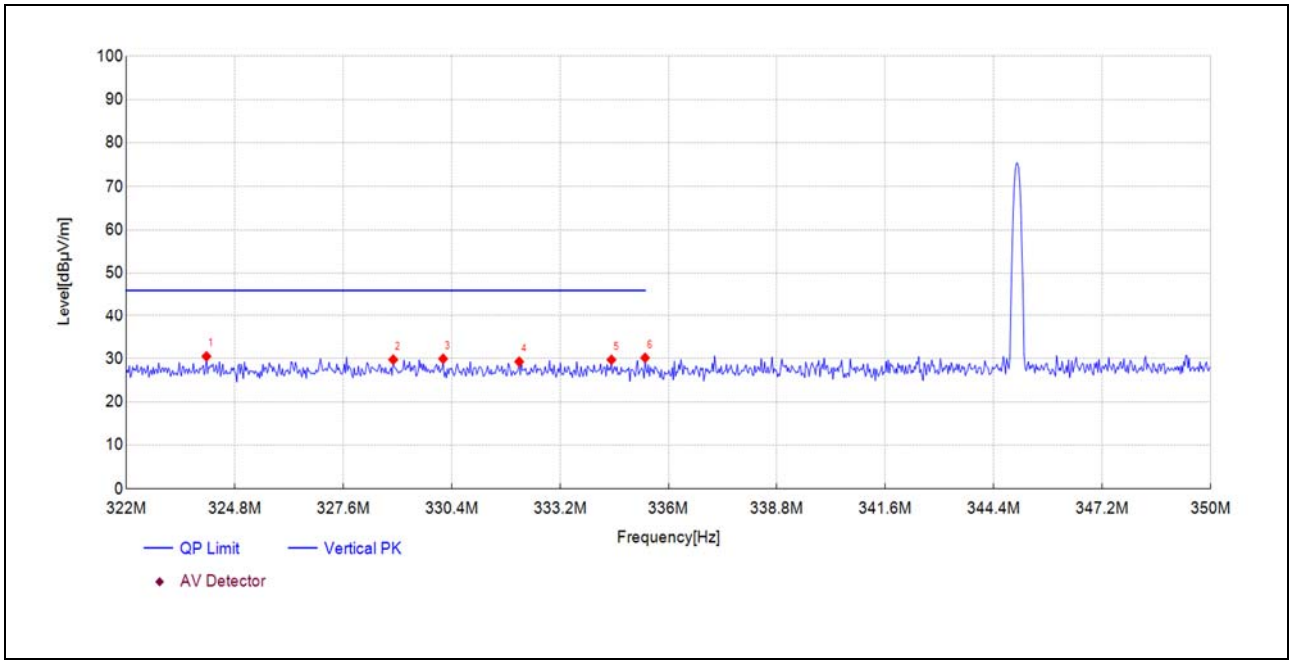
2.6.3. Test Result

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.



(Antenna Horizontal)

Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
323.12	12.9	29.97	17.110	46.00	16.03	150	238	PK	PASS
325.45	12.4	29.64	17.260	46.00	16.36	150	9	PK	PASS
328.45	11.8	29.31	17.510	46.00	16.69	150	253	PK	PASS
330.91	12.7	30.22	17.540	46.00	15.78	150	360	PK	PASS
333.10	12.3	29.65	17.330	46.00	16.35	150	313	PK	PASS
334.92	12.1	29.20	17.150	46.00	16.80	150	80	PK	PASS



(Antenna Vertical)

Fre. (MHz)	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
324.07	13.4	30.52	17.160	46.00	15.48	150	126	PK	PASS
328.89	12.2	29.76	17.540	46.00	16.24	150	7	PK	PASS
330.18	12.4	29.96	17.610	46.00	16.04	150	165	PK	PASS
332.15	11.9	29.30	17.430	46.00	16.70	150	153	PK	PASS
334.53	12.5	29.73	17.190	46.00	16.27	150	347	PK	PASS
335.40	13.0	30.19	17.170	46.00	15.81	150	189	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
20 dB Bandwidth	±5%
Transmission Time	±5%
Radiated Emission	±2.95 dB

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 C63.10-2013and 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	2.5.77.0418
TS+ -[JS32-CE]	Tonscend	2.5.0.0
JS32-RE	Tonscend	5.0.0

4.3 Conducted Emission Test Equipment

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Receiver	101052	ESPI	R&S	2025.05.15	2026.05.14
LISN	103131	ENV 216	R&S	2025.03.20	2026.03.19
RF Coaxial Cable (DC-100MHz)	BNC	MRE04	Qualwave	2025.05.06	2026.05.05

4.4 Radiated Test Equipment

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Signal Analyzer	MY56060145	N9020A	Agilent	2025.05.13	2026.05.12
Test Antenna - Bi-Log	9163-519	VULB 9163	Schwarzbeck	2024.06.22	2025.06.21
Test Antenna - Loop	1519-022	FMZB1519	Schwarzbeck	2025.05.16	2026.05.15
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.	2025.05.13	2026.05.12
Preamplifier (2GHz-18GHz)	61171/61172	S020180L3203	LUCIX CORP.	2025.05.13	2026.05.12
Preamplifier (18GHz-40GHz)	DS77209	DCLNA0118-40C-S	Decentest	2025.05.13	2026.05.12
RF Coaxial Cable (DC-18GHz)	MRE001	PE330	Pasternack	2025.05.13	2026.05.12
RF Coaxial Cable (DC-18GHz)	MRE002	CLU18	Pasternack	2025.05.13	2026.05.12
RF Coaxial Cable (DC-18GHz)	MRE003	CLU18	Pasternack	2025.05.13	2026.05.12
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
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