



FCC Part 15C Test Report

FCC ID: 2ADGH-6311

Applicant: Ralinwi Nanjing Electronic Technology Co., Ltd.

Address: 3rd Floor,Building B,R&D Block 3, Xuzhuang Software Park, Nanjing City, China.

Manufacturer: Ralinwi Nanjing Electronic Technology Co., Ltd.

Address: 3rd Floor,Building B,R&D Block 3, Xuzhuang Software Park, Nanjing City, China.

EUT: M.2 WIFI Network Card

Trade Mark: N/A

Model Number: Hicon6310, Nic3552e, Nic3562e

Date of Receipt: Aug. 25, 2022

Test Date: Aug. 25, 2022 –Sep. 05, 2022

Date of Report: Sep. 05, 2022

Prepared By: Shenzhen DL Testing Technology Co., Ltd.

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Applicable Standards: FCC PART 15 C 15.247, FCC PART 15 C 15.407
ANSI C63.10:2013
KDB 662911 D01 Multiple Transmitter Output v02r01, KDB 789033 D02 v01r02
KDB 558074 D01 v05r02

Test Result: Pass

Report Number: DL-20230909014-1E

Prepared (Test Engineer): Pxing Huang

Reviewer (Supervisor): Jack Bu

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This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of Shenzhen DL Testing Technology Co., Ltd.



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1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15 Subpart C			
Standard Section	Test Item	Judgment	Remark
15.207	Conducted Emission	PASS	
15.247(d), 15.407(b) 15.205, 15.209	Radiated Spurious Emission	PASS	

NOTE:

- (1) "N/A" denotes test is not applicable in this Test Report
- (2) The product has not undergone any changes to the circuit and PCB. Please refer to the previous data for the RF section.

1.1 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$ providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	Conducted Emission Test	$\pm 2.56\text{dB}$
2	RF power,conducted	$\pm 0.42\text{dB}$
3	Spurious emissions,conducted	$\pm 2.76\text{dB}$
4	All emissions,radiated(30MHz-1G)	$\pm 3.65\text{dB}$
5	All emissions,radiated(9kHz-30MHz)	$\pm 3.66\text{dB}$
6	All emissions,radiated(>1G)	$\pm 4.89\text{dB}$
7	Temperature	$\pm 0.5^{\circ}\text{C}$
8	Humidity	$\pm 2\%$
9	Frequency	$\pm 0.2\text{MHz}$



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Product Name:	M.2 WIFI Network Card
Trademark	N/A
Model No.:	Hicon6310, Nic3552e, Nic3562e
Model Difference	All samples are the same except the model number, so we prepare " Hicon6310" for test only.
Operation Frequency:	2412~2462 MHz for 802.11ax/b/g/nHT20 2422~2452 MHz for 802.11ax/nHT40 5250-5350, 5470-5725MHz(802.11a/ac/ax/n(HT20)) 5260-5320, 5500-5700MHz(802.11ac/ax/n(HT40)) 5290MHz, 5530MHz(802.11ac/ax80) 5180-5240, 5745-5825MHz(802.11a/ac/ax/n(HT20)) 5190-5230, 5755-5795MHz(802.11ac/ax/n(HT40)) 5210MHz, 5775MHz(802.11ac/ax80)
Channel numbers:	See channel list
Modulation technology:	802.11b: DSSS (CCK, DQPSK, DBPSK) 802.11g/n(20/40): DSSS (CCK, DQPSK,DBPSK)+OFDM (QPSK, BPSK, 16-QAM, 64-QAM) 802.11ax:OFDMA
Rate of Transmitter	802.11b: 11/5.5/2/1Mbps 802.11g: 54/48/36/24/18/12/9/6Mbps 802.11n: up to 300Mbps 802.11ax: up to 573.5Mbps 802.11a: 6Mbps, 9Mbps, 12Mbps, 18Mbps, 24Mbps, 36Mbps, 48Mbps,54Mbps 802.11n: Up to 300Mbps 802.11ac: up to 867Mbps 802.11ax: up to 1200Mbps
Antenna Type:	External Antenna*2
Antenna gain:	2dBi MIMO Gain=2dBi+10log(2)=5.01dBi
Power supply:	DC 3.3V from PC

Note:

- 1.For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
- 2.The EUT's all information provided by client.
3. The mimo mode only support for 802.11n and 802.11ax/ac.
4. This product's 802.11ax only support SU mode.



2. Channel List(802.11ax/b/g/nHT20)

Channel	Frequency (GHz)	Channel	Frequency (GHz)
01	2.412	07	2.442
02	2.417	08	2.447
03	2.422	09	2.452
04	2.427	10	2.457
05	2.432	11	2.462
06	2.437		

Channel List(802.11ax/nHT40)

Channel	Frequency (GHz)	Channel	Frequency (GHz)
03	2.422	07	2.442
04	2.427	08	2.447
05	2.432	09	2.452
06	2.437		

802.11a/ac/ax/n(HT20)			
Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	44	5220
40	5200	48	5240

802.11a/ac/ax/n(HT20)			
Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	161	5805
153	5765	165	5825
157	5785		

802.11ac/ax/n(HT40)				802.11ac/ax 80	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	46	5230	42	5210

802.11 ac/ax/ (HT40)				802.11ac/ax 80	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
151	5755	159	5795	155	5775

U-NII-2A

802.11a/ac/ax/n(HT20)			
Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	60	5300
56	5280	64	5320

802.11ac/ax/n(HT40)				802.11ac/ax 80	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
54	5270	62	5310	58	5290

**U-NII-2C**

802.11a/ac/ax/n(HT20)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	112	5560	124	5620	136	5680
104	5520	116	5580	128	5640	140	5700
108	5540	120	5600	132	5660		

802.11 ac/ax/ (HT40)				802.11ac/ax 80	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
102	5510	126	5630	106	5530
110	5550	134	5670	122	5610
118	5590				



2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

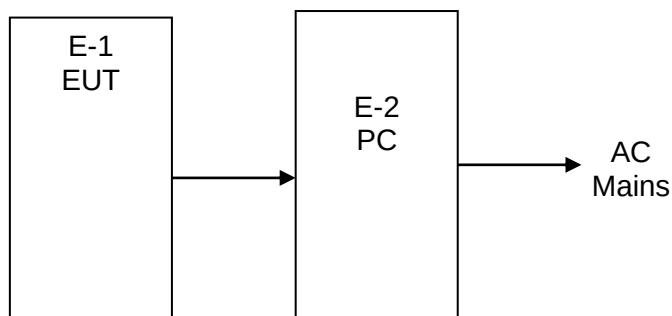
Pretest Mode	Description
Mode 1	Link Mode 2.4G
Mode 2	Link Mode 5G
For Conducted Emission	
Final Test Mode	Description
Mode 1	Link Mode 2.4G
Mode 2	Link Mode 5G
For Radiated Emission	
Final Test Mode	Description
Mode 1	Link Mode 2.4G
Mode 2	Link Mode 5G

We pretest all mode, the report only record the worst case mode.



2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Radiated Spurious Emission Test



2.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Model/Type No.	Series No.	Note
E-1	M.2 WIFI Network Card	Hicon6310	N/A	EUT
E-2	PC	DELL-PTD50200	00234	Provide by client.

Item	Shielded Type	Ferrite Core	Length	Note

Note:

- (1) For detachable type I/O cable should be specified the length in cm in 『Length』 column.

2.5 TABLE OF PARAMETERS OF TEST SOFTWARE SETTING

During testing, channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the end product.

Max output power Setting						
Test software Version	Test program: Wifi Test Toolv1.4.1					
Mode	802.11b	802.11g	802.11ax/n/ac HT20	802.11ax/n/ac HT40	802.11a	802.11ax/ac HT80
Data Rate	1Mbps	6Mbps	MSC0	MSC0	MSC0	MSC0
Power Setting of Softwave	30	30	30	30	30	30



2.6 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation test, Band-edge test and 6db bandwidth test equipment

Item	Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
1	Spectrum Analyzer (9kHz-26.5GHz)	Agilent	E4408B	MY50140780	Nov. 06, 2022	Nov. 05, 2023
2	Test Receiver (9kHz-7GHz)	R&S	ESRP7	101393	Nov. 06, 2022	Nov. 05, 2023
3	Bilog Antenna (30MHz-1GHz)	R&S	VULB9162	00306	Nov. 06, 2022	Nov. 05, 2023
4	Horn Antenna (1GHz-18GHz)	Schwarzbeck	BBHA9120D	02139	Nov. 06, 2022	Nov. 05, 2023
5	Horn Antenna (18GHz-40GHz)	A.H. Systems	SAS-574	588	Nov. 06, 2022	Nov. 05, 2023
6	Amplifier (9KHz-6GHz)	Schwarzbeck	BBV9743B	00153	Nov. 06, 2022	Nov. 05, 2023
7	Amplifier (1GHz-18GHz)	EMEC	EM01G8GA	00270	Nov. 06, 2022	Nov. 05, 2023
8	Amplifier (18GHz-40GHz)	Quanjuda	DLE-161	97	Nov. 06, 2022	Nov. 05, 2023
9	Loop Antenna (9KHz-30MHz)	Schwarzbeck	FMZB1519B	00014	Nov. 06, 2022	Nov. 05, 2023
10	RF cables1 (9kHz-1GHz)	ChengYu	966	004	Nov. 06, 2022	Nov. 05, 2023
11	RF cables2 (1GHz-40GHz)	ChengYu	966	003	Nov. 06, 2022	Nov. 05, 2023
12	Antenna connector	Florida RF Labs	N/A	RF 01#	Nov. 06, 2022	Nov. 05, 2023
13	Power probe	KEYSIGHT	U2021XA	MY55210018	Nov. 06, 2022	Nov. 05, 2023
14	Signal Analyzer 9kHz-26.5GHz	Agilent	N9020A	MY55370280	Nov. 06, 2022	Nov. 05, 2023
15	Test Receiver 20kHz-40GHz	R&S	ESU 40	100376	Nov. 06, 2022	Nov. 05, 2023
16	D.C. Power Supply	LongWei	PS-305D	010964729	Nov. 06, 2022	Nov. 05, 2023

Conduction Test equipment

Item	Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
1	843 Shielded Room	ChengYu	843 Room	843	Sep. 25, 2022	Sep. 24, 2025
2	EMI Receiver	R&S	ESR	101421	Nov. 06, 2022	Nov. 05, 2023
3	LISN	R&S	ENV216	102417	Nov. 06, 2022	Nov. 05, 2023
4	843 Cable 1#	ChengYu	CE Cable	001	Nov. 06, 2022	Nov. 05, 2023

Other

Item	Name	Manufacturer	Model	Software version
1	EMC Conduction Test System	FALA	EZ_EMCC	EMC-CON 3A1.1
2	EMC radiation test system	FALA	EZ_EMCC	FA-03A2
3	RF test system	MAIWEI	MTS8310	2.0.0.0
4	RF communication test system	MAIWEI	MTS8200	2.0.0.0



3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION Limits (Frequency Range 150KHz-30MHz)

FREQUENCY (MHz)	Limit (dBuV)		Standard
	Quasi-peak	Average	
0.15 -0.50	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	50.00	46.00	FCC
5.0 -30.0	60.00	50.00	FCC

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

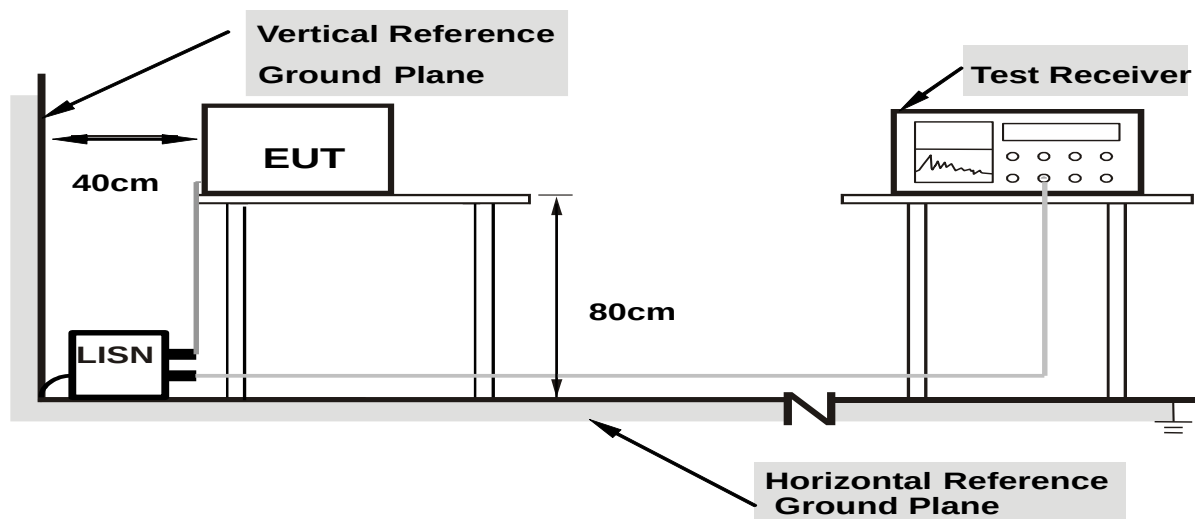
3.1.2 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.1.3 DEVIATION FROM TEST STANDARD

No deviation

3.1.4 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

3.1.5 EUT OPERATING CONDITIONS

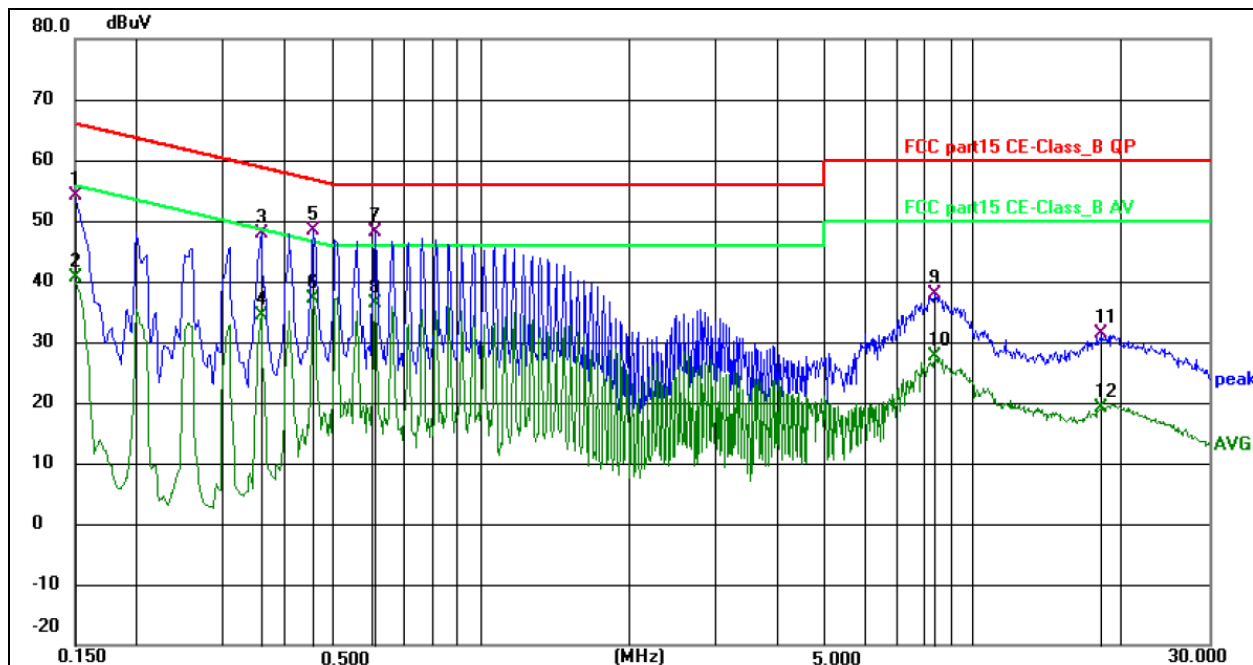
The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

We pretest AC 120V and AC 230V, the worst voltage was AC 120V and the data recording in the report.

3.1.6 TEST RESULTS



Temperature:	25 °C	Relative Humidity:	54%
Pressure:	1010hPa	Phase :	L
Test Voltage :	AC 120V/60Hz	Test Mode:	Mode 1



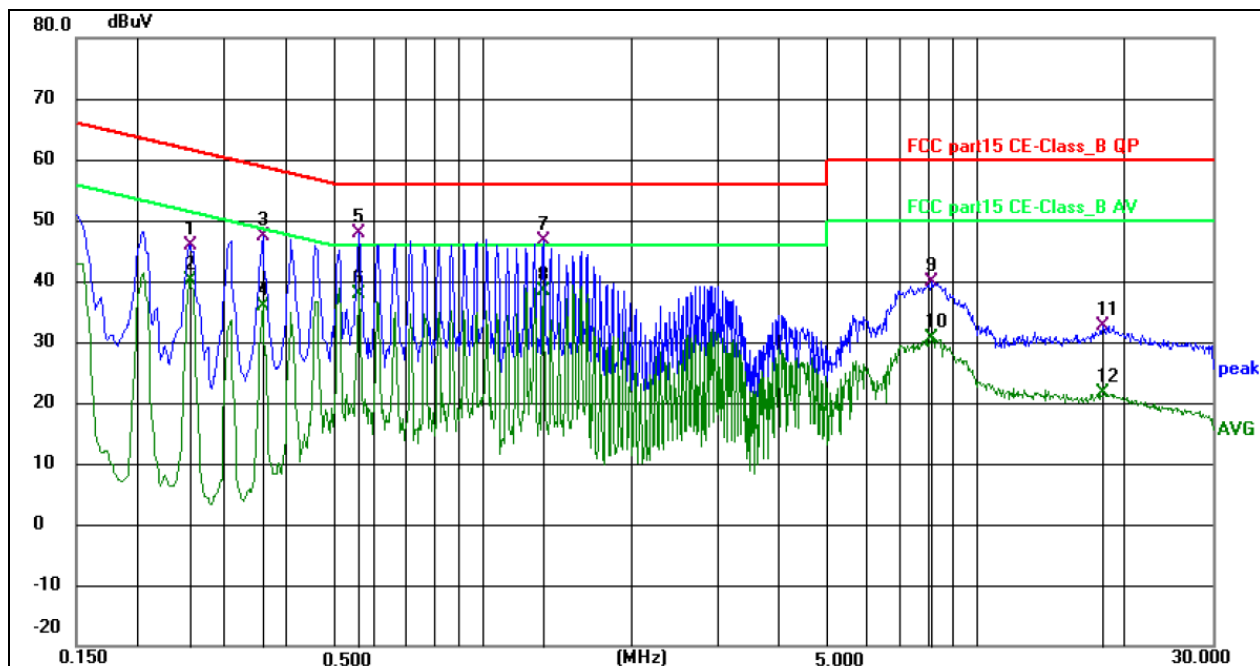
Remark:

Margin = Limit – Level, Correct Factor = Cable lose + LISN insertion loss, Level= Reading + Correct factor

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.150000	43.57	10.55	54.12	66.00	-11.88	QP	P	
2	0.150000	29.96	10.55	40.51	56.00	-15.49	AVG	P	
3	0.356900	38.88	9.12	48.00	58.80	-10.80	QP	P	
4	0.356900	25.28	9.12	34.40	48.80	-14.40	AVG	P	
5	0.456000	39.21	9.23	48.44	56.77	-8.33	QP	P	
6	0.456000	27.87	9.23	37.10	46.77	-9.67	AVG	P	
7 *	0.608900	38.62	9.40	48.02	56.00	-7.98	QP	P	
8	0.608900	26.90	9.40	36.30	46.00	-9.70	AVG	P	
9	8.326400	27.77	10.05	37.82	60.00	-22.18	QP	P	
10	8.326400	17.57	10.05	27.62	50.00	-22.38	AVG	P	
11	18.163400	20.99	10.34	31.33	60.00	-28.67	QP	P	
12	18.163400	8.86	10.34	19.20	50.00	-30.80	AVG	P	



Temperature:	25 °C	Relative Humidity:	54%
Pressure:	1010hPa	Phase :	N
Test Voltage :	AC 120V/60Hz	Test Mode:	Mode 1



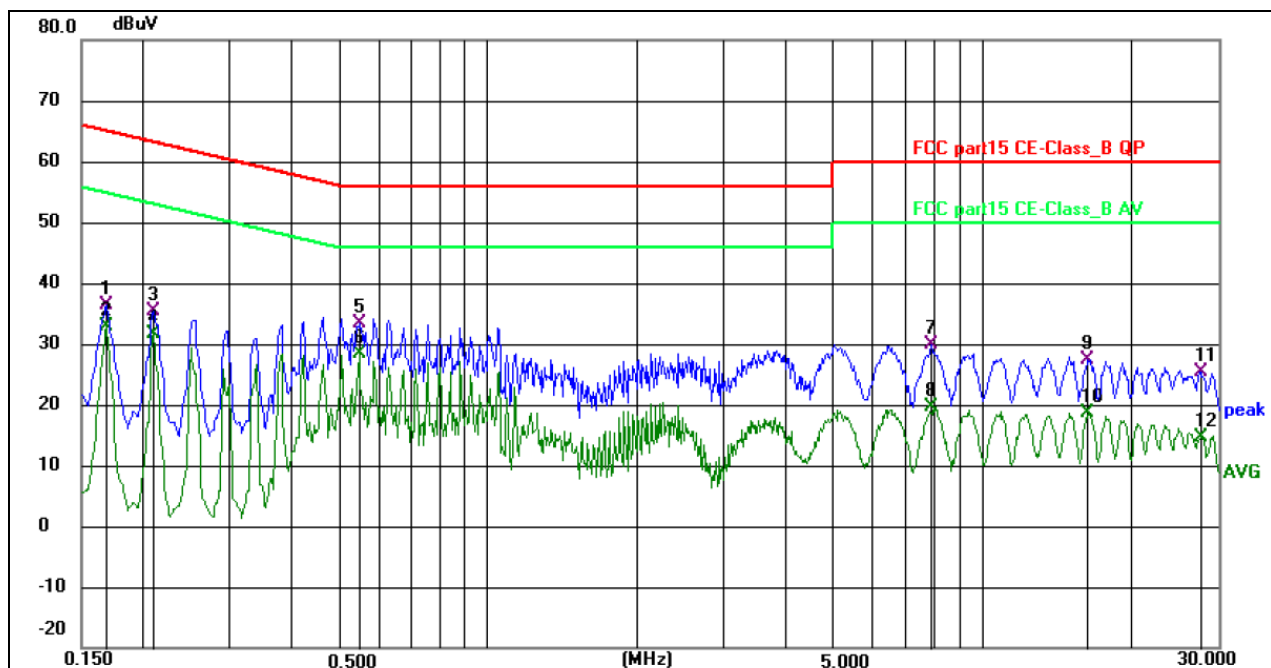
Remark:

Margin = Limit – Level, Correct Factor = Cable lose + LISN insertion loss, Level= Reading + Correct factor

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.253500	36.93	9.01	45.94	61.64	-15.70	QP	P	
2	0.253500	31.12	9.01	40.13	51.64	-11.51	AVG	P	
3	0.356900	38.28	9.20	47.48	58.80	-11.32	QP	P	
4	0.356900	26.65	9.20	35.85	48.80	-12.95	AVG	P	
5	0.559400	38.59	9.37	47.96	56.00	-8.04	QP	P	
6	0.559400	28.41	9.37	37.78	46.00	-8.22	AVG	P	
7	1.324500	37.01	9.61	46.62	56.00	-9.38	QP	P	
8 *	1.324500	28.89	9.61	38.50	46.00	-7.50	AVG	P	
9	8.141900	29.60	10.19	39.79	60.00	-20.21	QP	P	
10	8.141900	20.56	10.19	30.75	50.00	-19.25	AVG	P	
11	17.947500	22.31	10.40	32.71	60.00	-27.29	QP	P	
12	17.947500	11.33	10.40	21.73	50.00	-28.27	AVG	P	



Temperature:	25 °C	Relative Humidity:	54%
Pressure:	1010hPa	Phase :	L
Test Voltage :	AC 120V/60Hz	Test Mode:	Mode 2



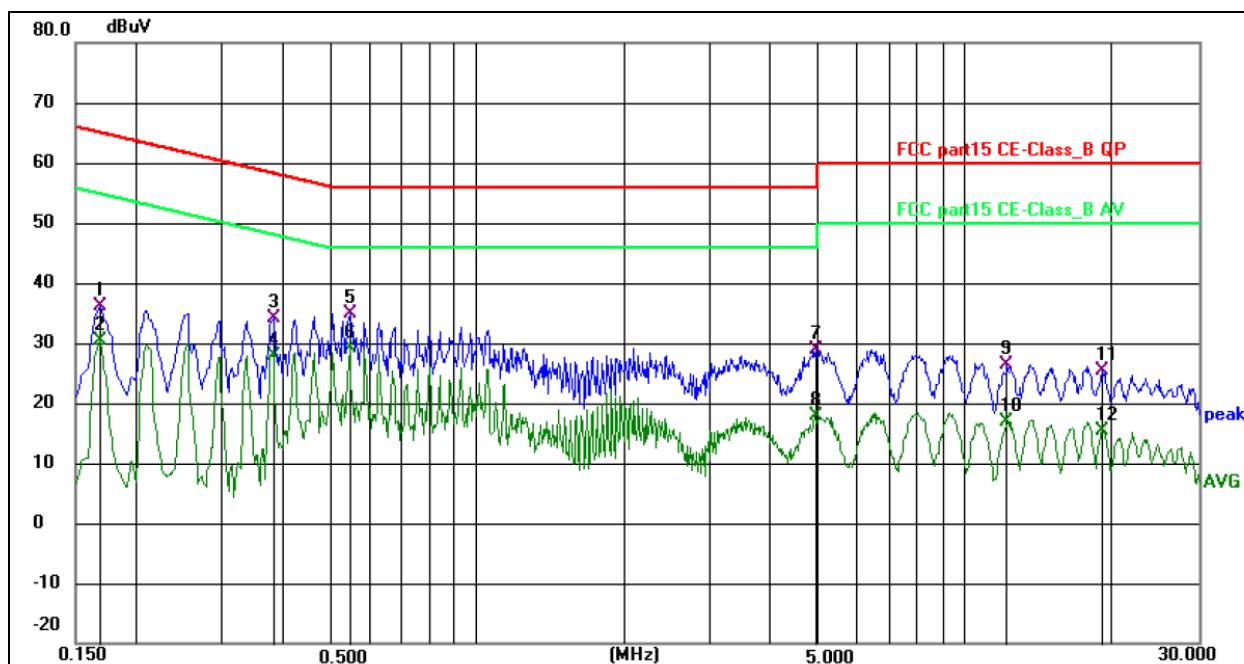
Remark:

Margin = Limit – Level, Correct Factor = Cable lose + LISN insertion loss, Level= Reading + Correct factor

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.168000	26.43	9.86	36.29	65.06	-28.77	QP	P	
2	0.168000	22.94	9.86	32.80	55.06	-22.26	AVG	P	
3	0.208400	26.35	8.91	35.26	63.27	-28.01	QP	P	
4	0.208400	22.78	8.91	31.69	53.27	-21.58	AVG	P	
5	0.550300	24.10	9.38	33.48	56.00	-22.52	QP	P	
6 *	0.550300	18.91	9.38	28.29	46.00	-17.71	AVG	P	
7	7.858500	19.70	10.18	29.88	60.00	-30.12	QP	P	
8	7.858500	9.34	10.18	19.52	50.00	-30.48	AVG	P	
9	16.381400	17.08	10.40	27.48	60.00	-32.52	QP	P	
10	16.381400	8.16	10.40	18.56	50.00	-31.44	AVG	P	
11	27.672000	14.30	11.16	25.46	60.00	-34.54	QP	P	
12	27.672000	3.58	11.16	14.74	50.00	-35.26	AVG	P	



Temperature:	25 °C	Relative Humidity:	54%
Pressure:	1010hPa	Phase :	N
Test Voltage :	AC 120V/60Hz	Test Mode:	Mode 2



Remark:

Margin = Limit – Level, Correct Factor = Cable lose + LISN insertion loss, Level= Reading + Correct factor

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.168000	25.84	10.18	36.02	65.06	-29.04	QP	P	
2	0.168000	20.25	10.18	30.43	55.06	-24.63	AVG	P	
3	0.379500	24.94	9.15	34.09	58.29	-24.20	QP	P	
4	0.379500	18.75	9.15	27.90	48.29	-20.39	AVG	P	
5	0.546000	25.67	9.31	34.98	56.00	-21.02	QP	P	
6 *	0.546000	19.73	9.31	29.04	46.00	-16.96	AVG	P	
7	4.929000	18.96	9.95	28.91	56.00	-27.09	QP	P	
8	4.929000	7.93	9.95	17.88	46.00	-28.12	AVG	P	
9	12.183000	16.26	10.16	26.42	60.00	-33.58	QP	P	
10	12.183000	6.70	10.16	16.86	50.00	-33.14	AVG	P	
11	19.099500	15.11	10.36	25.47	60.00	-34.53	QP	P	
12	19.099500	5.09	10.36	15.45	50.00	-34.55	AVG	P	



3.2 RADIATED EMISSION MEASUREMENT

3.2.1 RADIATED EMISSION LIMITS (Frequency Range 9kHz-1000MHz)

In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
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

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	Limit (dBuV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	74	54

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	25GHz
RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP



3.2.2 TEST PROCEDURE

Below 1GHz test procedure as below:

- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

Above 1GHz test procedure as below:

- Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 metre to 0.8 metre(Above 18GHz the distance is 1 meter and table is 1.5 metre).
- Test the EUT in the lowest channel, the middle channel, the Highest channel

Note:

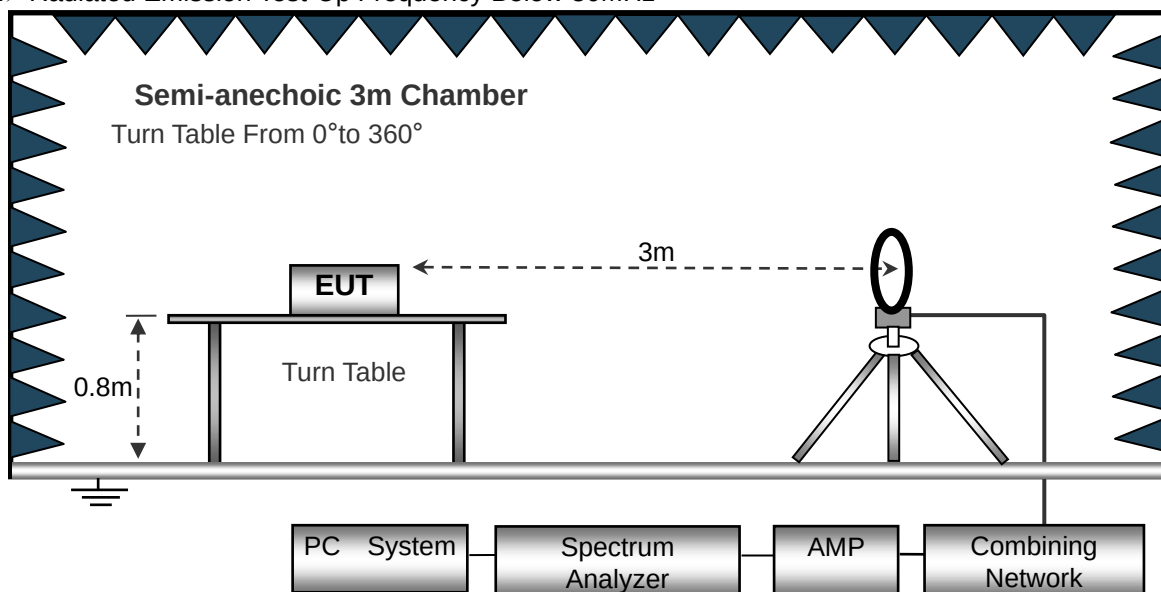
Both horizontal and vertical antenna polarities were tested and performed pretest to all antenna,. The worst case was antenna 1 and emissions were reported

3.2.3 DEVIATION FROM TEST STANDARD

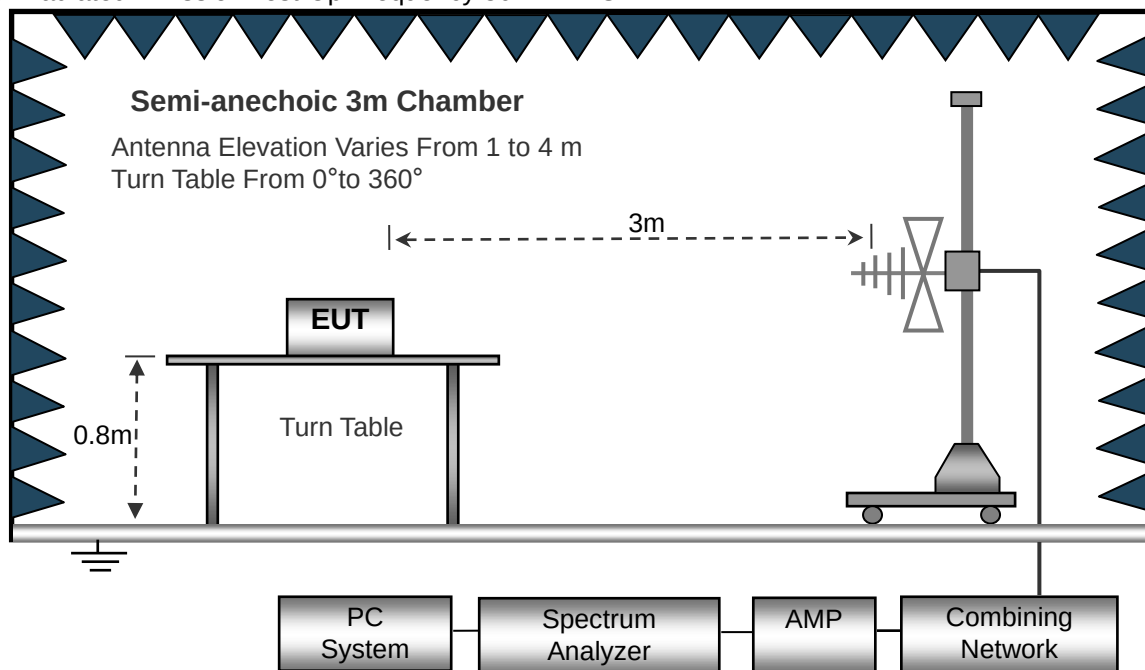
No deviation

3.2.4 TEST SETUP

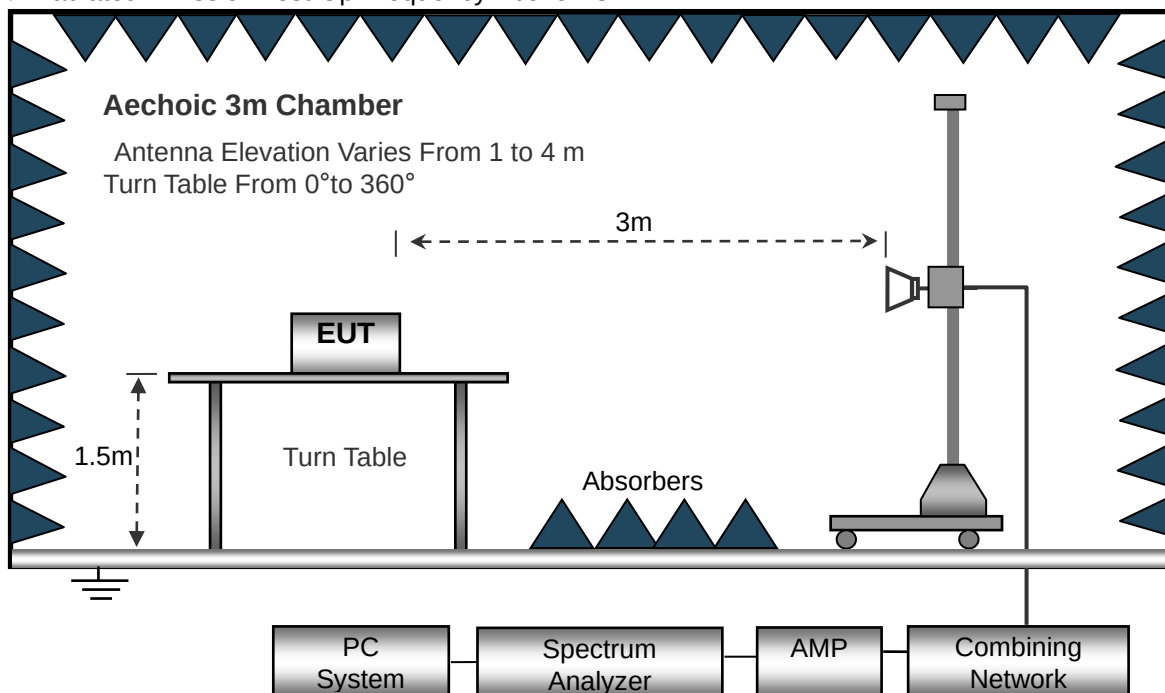
(A) Radiated Emission Test-Up Frequency Below 30MHz



(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



(C) Radiated Emission Test-Up Frequency Above 1GHz



3.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.

**3.2.6 TEST RESULTS (BETWEEN 9KHZ – 30 MHZ)**

Temperature:	20℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	Mode 1	Polarization :	--

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

NOTE:

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

Distance extrapolation factor = $40 \log (\text{specific distance/test distance})$ (dB);

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

**3.2.7 TEST RESULTS (BETWEEN 30MHZ – 1GHZ)**

Temperature:	26°C	Relative Humidity:	54%
Pressure:	1010 hPa	Polarization :	Horizontal
Test Voltage :	AC 120V/60Hz		
Test Mode :	Mode 1		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		47.8260	35.82	-13.80	22.02	40.00	-17.98	QP
2		100.2283	36.54	-15.77	20.77	43.50	-22.73	QP
3	*	187.7529	47.12	-16.63	30.49	43.50	-13.01	QP
4		228.4902	44.48	-14.71	29.77	46.00	-16.23	QP
5		428.0192	39.92	-10.08	29.84	46.00	-16.16	QP
6		758.0407	35.78	-3.95	31.83	46.00	-14.17	QP

Remark:

Correct Factor = Cable loss + Antenna factor – Preamplifier;

Level = Reading Level + Correct Factor; Margin = Limit – Level;



Temperature:	26°C	Relative Humidity:	54%
Pressure:	1010 hPa	Polarization :	Vertical
Test Voltage :	AC 120V/60Hz		
Test Mode :	Mode 1		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		47.9939	36.78	-13.78	23.00	40.00	-17.00	QP
2		97.7982	36.27	-16.16	20.11	43.50	-23.39	QP
3		196.5098	45.41	-15.94	29.47	43.50	-14.03	QP
4	*	239.9873	49.21	-14.32	34.89	46.00	-11.11	QP
5		312.1792	45.35	-12.71	32.64	46.00	-13.36	QP
6		601.4265	35.89	-6.71	29.18	46.00	-16.82	QP

Remark:

Correct Factor = Cable loss + Antenna factor – Preamplifier;

Level = Reading Level + Correct Factor; Margin = Limit – Level;



Temperature:	26℃	Relative Humidity:	54%
Pressure:	1010 hPa	Polarization :	Horizontal
Test Voltage :	AC 120V/60Hz		
Test Mode :	Mode 2		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		47.8260	39.32	-13.80	25.52	40.00	-14.48	QP
2		76.2442	44.00	-19.10	24.90	40.00	-15.10	QP
3		122.4038	44.71	-17.88	26.83	43.50	-16.67	QP
4	*	224.5192	49.41	-14.85	34.56	46.00	-11.44	QP
5		413.2706	40.86	-10.34	30.52	46.00	-15.48	QP
6		552.8831	40.36	-7.70	32.66	46.00	-13.34	QP

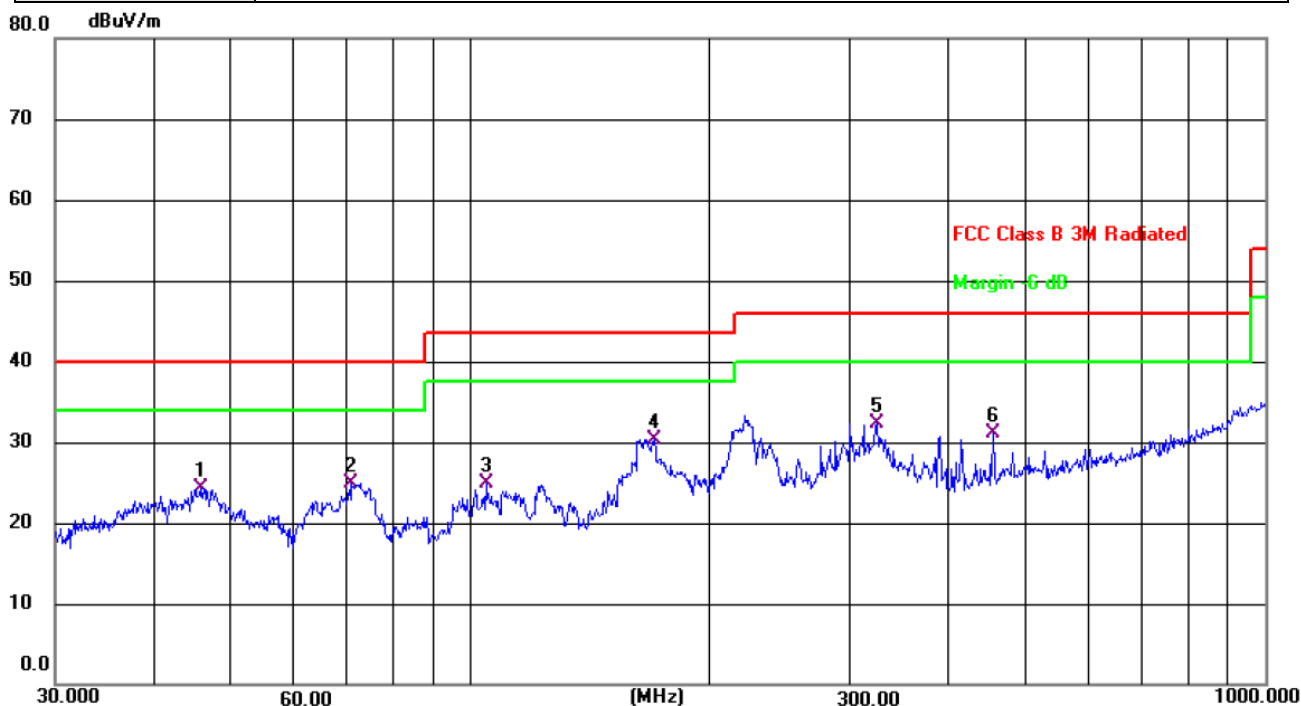
Remark:

Correct Factor = Cable loss + Antenna factor – Preamplifier;

Level = Reading Level + Correct Factor; Margin = Limit – Level;



Temperature:	26℃	Relative Humidity:	54%
Pressure:	1010 hPa	Polarization :	Vertical
Test Voltage :	AC 120V/60Hz		
Test Mode :	Mode 2		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB/m	Margin dB	Detector
1		45.6946	38.37	-14.03	24.34	40.00	-15.66	QP
2		70.8315	43.07	-18.08	24.99	40.00	-15.01	QP
3		104.5360	41.07	-16.22	24.85	43.50	-18.65	QP
4	*	170.1947	48.15	-17.77	30.38	43.50	-13.12	QP
5		324.4560	44.80	-12.41	32.39	46.00	-13.61	QP
6		454.3100	40.68	-9.60	31.08	46.00	-14.92	QP

Remark:

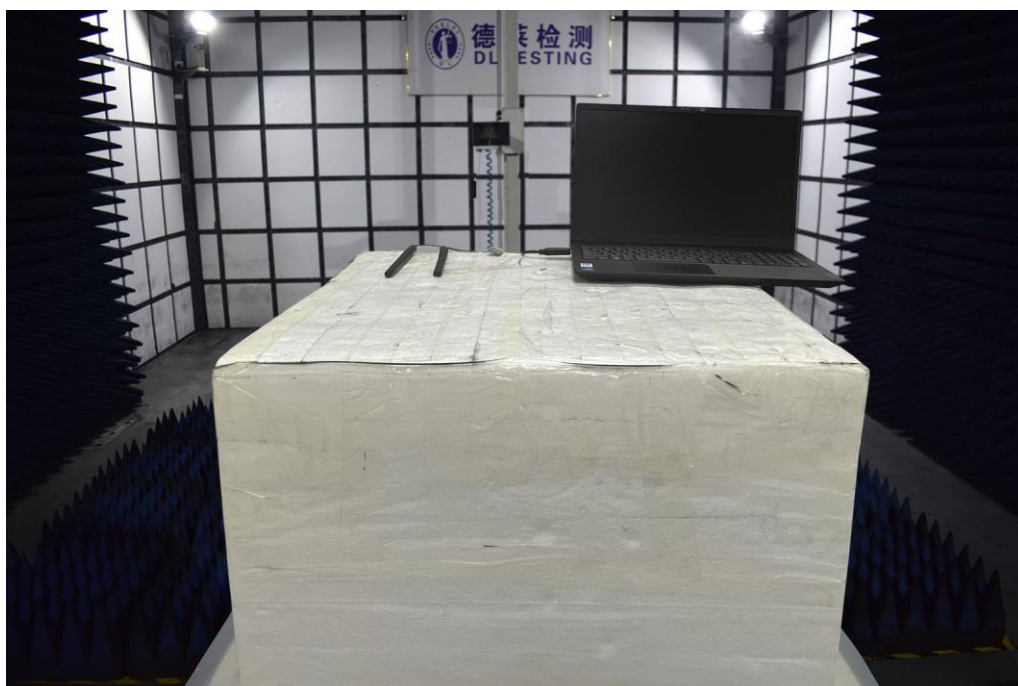
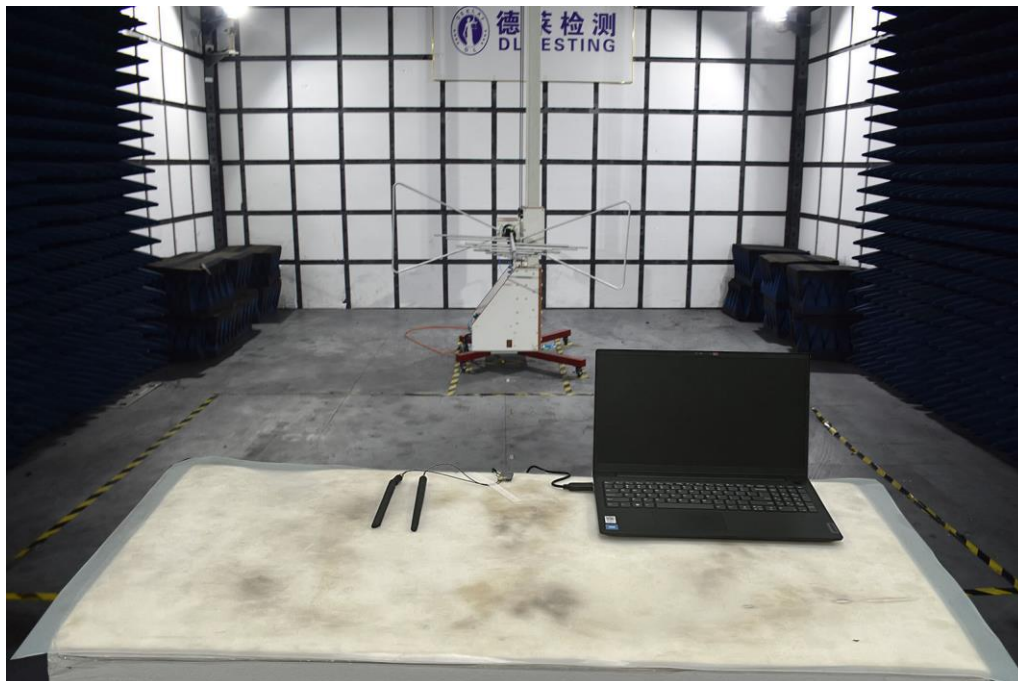
Correct Factor = Cable loss + Antenna factor – Preamplifier;

Level = Reading Level + Correct Factor; Margin = Limit – Level;



4. TEST SEUUP PHOTO

Radiated Measurement Photos



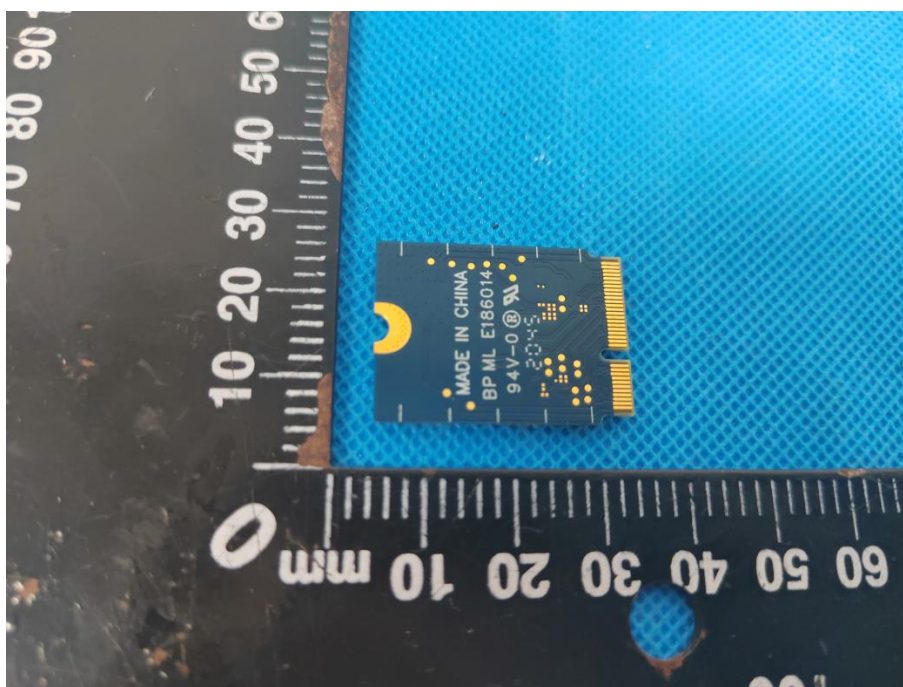
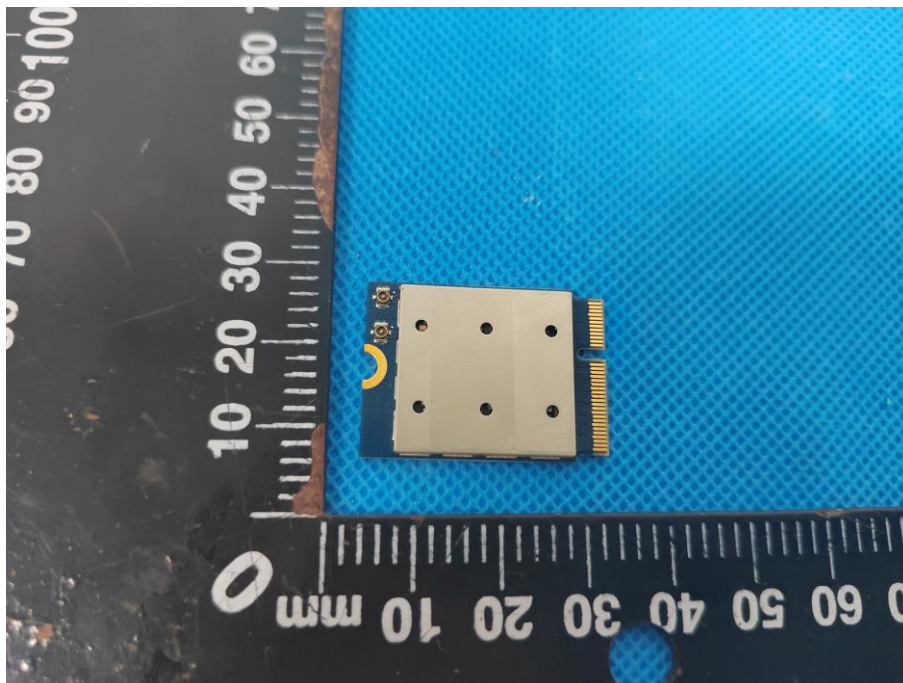


Conducted Measurement Photos





5. EUT PHOTO



***** END OF REPORT *****