



Test Report No.:
FCC2025-0023-RF

TEST REPORT

FCC ID : 2BP63-CP-50
Applicant : SHUNDE SUNTREE ELECTRICAL APPLIANCE CO., LTD.
Product Name : HEAT PUMP POOL HEATER
Model No. : CP-50

CVC Testing Technology Co., Ltd.

Product Name	HEAT PUMP POOL HEATER	Trade Mark	N/A
Type/Model	CP-50	Sample Status	/
Applicant	SHUNDE SUNTREE ELECTRICAL APPLIANCE CO., LTD.		
Applicant Address	NO. 201, BUILDING 3, GUANGDIAN INDUSTRIAL CENTER, LELIU TOWN, SHUNDE DISTRICT, FOSHAN CITY, GUANGDONG PROVINCE, CHINA		
Manufacturer	SHUNDE SUNTREE ELECTRICAL APPLIANCE CO., LTD.		
Manufacturer Address	NO. 201, BUILDING 3, GUANGDIAN INDUSTRIAL CENTER, LELIU TOWN, SHUNDE DISTRICT, FOSHAN CITY, GUANGDONG PROVINCE, CHINA		
Factory	SHUNDE SUNTREE ELECTRICAL APPLIANCE CO., LTD.		
Factory Address	NO. 201, BUILDING 3, GUANGDIAN INDUSTRIAL CENTER, LELIU TOWN, SHUNDE DISTRICT, FOSHAN CITY, GUANGDONG PROVINCE, CHINA		
Sample Identification	1-1	Test Item	See page 9
Tested According To	FCC CFR47 Part 15C Radio Frequency Devices ANSI C63.10-2020/Cor1-2023 KDB 558074 D01 15.247 Meas Guidance v05r02 KDB 662911 D01 Multiple Transmitter Output v02r01		
Receiving Date	2025-06-03	Completing Date	2025-06-17
Test conclusion	The equipment under test was found to comply with the requirements of the standards applied. Final Verdict: Pass. Seal of CVC Date of issue: 2025-06-20		
Abbreviations: / Pass= passed Fail = failed N/A= not applicable			
This test report relates only to the EUT, and shall not be reproduced except in full, without written approval of CVC.			

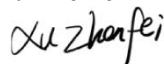
Approved by:

Chen Huawen



Reviewed by:

Xu Zhenfei



Tested by:

Lu Weiji



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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FCC2025-0023-RF1	Original release	June.20,2025

1. General Product Information

1.1 General information

Product Name	HEAT PUMP POOL HEATER
Model No.	CP-50
Additional model	N/A
Power Supply	115V ~ 60Hz
Serial Number(SN)	25050500213
Bluetooth Version	4.2
Software version	1.0
Hardware version	CC936A-V2.1
specific power settings	Bluetooth(LE_1M): Default IEEE 802.11b: 82 IEEE 802.11g: 92 IEEE 802.11n(20MHz): 92
Antenna Type	PCB antenna
Antenna Gain	WIFI: 2.54 dBi (provided by client) Bluetooth: 2.54 dBi (provided by client)
Beamforming gain	Unsupported (provided by client)
Frequency Range	Bluetooth(LE_1M): 2402~2480MHz IEEE 802.11b/g/n(HT20): 2412~2462MHz
Channel Number	Bluetooth(LE_1M):40 Channels IEEE 802.11b/g/n (HT20): 11 Channels
Type of Modulation	Bluetooth(LE_1M):GFSK IEEE 802.11b: DSSS (CCK,DQPSK,DBPSK); IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK); IEEE 802.11n(HT20) : OFDM (64QAM, 16QAM,QPSK,BPSK)
Max. Conducted Power	Bluetooth(LE): 6.25 dBm WIFI2.4G:20.12dBm
Operate Temp.Range	-7°C~+45°C

Note:

1. The information of the EUT is declared by the manufacturer.
2. The laboratory is not responsible for the product technical specification provided by the client.
3. The product models of this application are:CP-50. All the tests carried out on model CP-50.
4. EUT photo refer to report (Report NO.:FCC2025-0023-EUT).
5. The EUT have SISO function, provides 1 completed transmitter and 1 receiver.

2. Test Sites

2.1 Test Facilities

The tests and measurements refer to this report were performed by RF testing Lab. of CVC Testing Technology Co., Ltd.

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FCC(Test firm designation number: CN1282)

IC(Test firm CAB identifier number: CN0103)

CNAS(Test firm designation number: L0095)

2.2 Description of Non-standard Method and Deviations

The testing and measurement methods used in this report are applied by all standard methods. Not any non-standard method or deviation from the used standards was used.

2.3 List of Test and Measurement Instruments

Refer to **Appendix X**.

3. Test Configuration

3.1 Test Mode

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

Test Mode	Antenna Delivery	Test Channel
Bluetooth(LE_1M)	1TX / 1RX	0,19,39
IEEE 802.11b	1TX / 1RX	1,6,11
IEEE 802.11g	1TX / 1RX	1,6,11
IEEE 802.11n 20 MIMO	1TX / 1RX	1,6,11

The radiated emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in lie-down position (X axis) and the worst case was recorded.

In order to find the worst case condition, Pre-tests are needed at the presence of different data rate and different channels. Preliminary tests have been done on all the configurations for confirming worst case. Data rate below means worst-case rate of each test item.

Worst-case data rates and channels are shown as following table.

Test Mode	Data Rate		
	Antenna 1	Antenna 2	MIMO
Bluetooth(LE_1M)	1	/	/
IEEE 802.11b	1	/	/
IEEE 802.11g	6	/	/
IEEE 802.11n 2.4GHz 20MHz	MCS 0	/	/

Test Items	Test Antennas	Test Modes	Test Channels
Radiated Emissions	Antenna 1	IEEE 802.11n 20 Bluetooth(LE_1M)	1/ 0
Radiated Emissions (Band Edge)	Antenna 1	IEEE 802.11n 20 Bluetooth(LE_1M)	1,6,11/ 0,19,39
Maximum conducted output power	Antenna 1	Bluetooth(LE_1M)/ IEEE 802.11b/ IEEE 802.11g/ IEEE 802.11n 20	0,19,39/ 1,6,11/ 1,6,11/ 1,6,11
Minimum 6 dB bandwidth	Antenna 1	Bluetooth(LE_1M)/ IEEE 802.11b/ IEEE 802.11g/ IEEE 802.11n 20	0,19,39/ 1,6,11/ 1,6,11/ 1,6,11
Occupied Channel Bandwidth	Antenna 1	Bluetooth(LE_1M)/ IEEE 802.11b/ IEEE 802.11g/ IEEE 802.11n 20	0,19,39/ 1,6,11/ 1,6,11/ 1,6,11
Band Edge Measurement	Antenna 1	Bluetooth(LE_1M)/ IEEE 802.11b/ IEEE 802.11g/ IEEE 802.11n 20	0,39/ 1,11/ 1,11/ 1,11
Maximum Power spectral density	Antenna 1	Bluetooth(LE_1M)/ IEEE 802.11b/ IEEE 802.11g/ IEEE 802.11n 20	0,19,39/ 1,6,11/ 1,6,11/ 1,6,11
Spurious RF Conducted Emissions	Antenna 1	Bluetooth(LE_1M)/ IEEE 802.11b/ IEEE 802.11g/ IEEE 802.11n 20	0,19,39/ 1,6,11/ 1,6,11/ 1,6,11

3.2 Duty cycle

Appendix G of WIFI2.4G_ diagram and Appendix G of BLE_ diagram

4. Summary of measurement results

Summary of measurements of results	Clause in FCC rules	Verdict	Note
Conducted Emissions	15.207	PASS	/
Radiated Emissions	15.247(d),15.205,15.209	PASS	/
Maximum conducted output power	15.247(b)(3)	PASS	Appendix C of WIFI2.4G_ diagram and Appendix C of BLE_ diagram
Minimum 6 dB bandwidth	15.247(a)(2)	PASS	Appendix A of WIFI2.4G_ diagram and Appendix A of BLE_ diagram
Occupied Channel Bandwidth	15.247(a)(2)	PASS	Appendix B of WIFI2.4G_ diagram and Appendix B of BLE_ diagram
Band Edge Measurement	15.247(d)	PASS	Appendix E of WIFI2.4G_ diagram and Appendix E of BLE_ diagram
Maximum Power spectral density	15.247(e)	PASS	Appendix D of WIFI2.4G_ diagram and Appendix D of BLE_ diagram
Spurious RF Conducted Emissions	15.247(d)	PASS	Appendix F of WIFI2.4G_ diagram and Appendix F of BLE_ diagram
Antenna Requirement	15.203	PASS	See note 1

Note 1: According to 15.203, it is considered sufficient to comply with the provisions of this section.

5. Measurement procedure

5.1 Conducted Emission

Ambient condition:

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.2kPa

Method of Measurement:

The EUT was setup according to ANSI C63.10-2020/Cor1-2023 for compliance to FCC 47CFR 15.247 requirements. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs) Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.

The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.

Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

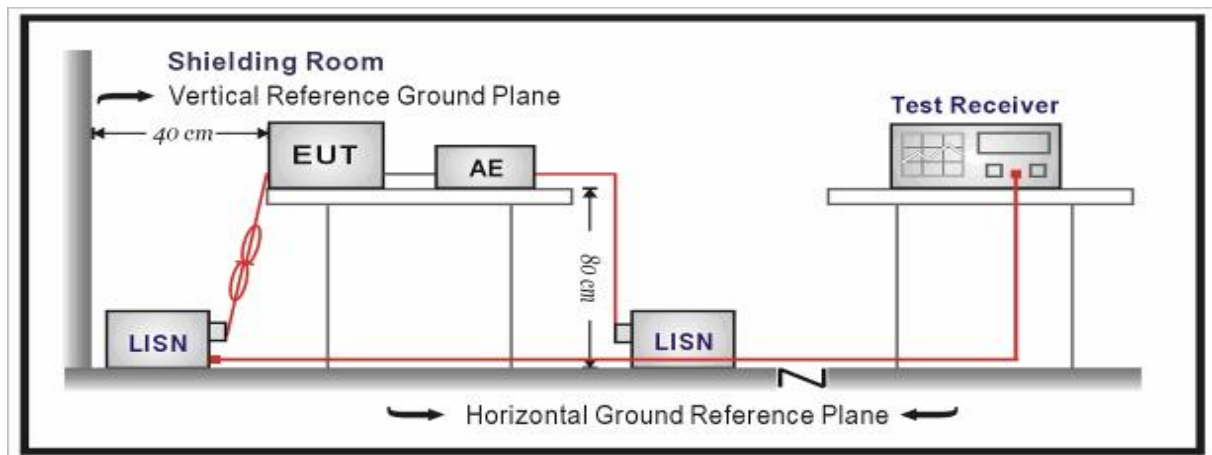
Limits:

Frequency (MHz)	Conducted Limits(dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56 *	56 to 46*
0.5 - 5	56	46
5 - 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

Test Setup:



Measurement Data

An initial pre-scan was performed on the live and neutral lines with peak detector.

Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

Notes:

- 1. The following Quasi-Peak and Average measurements were performed on the EUT:*
- 2. Final Level = Reading + Factor.*

Measurement Uncertainty:

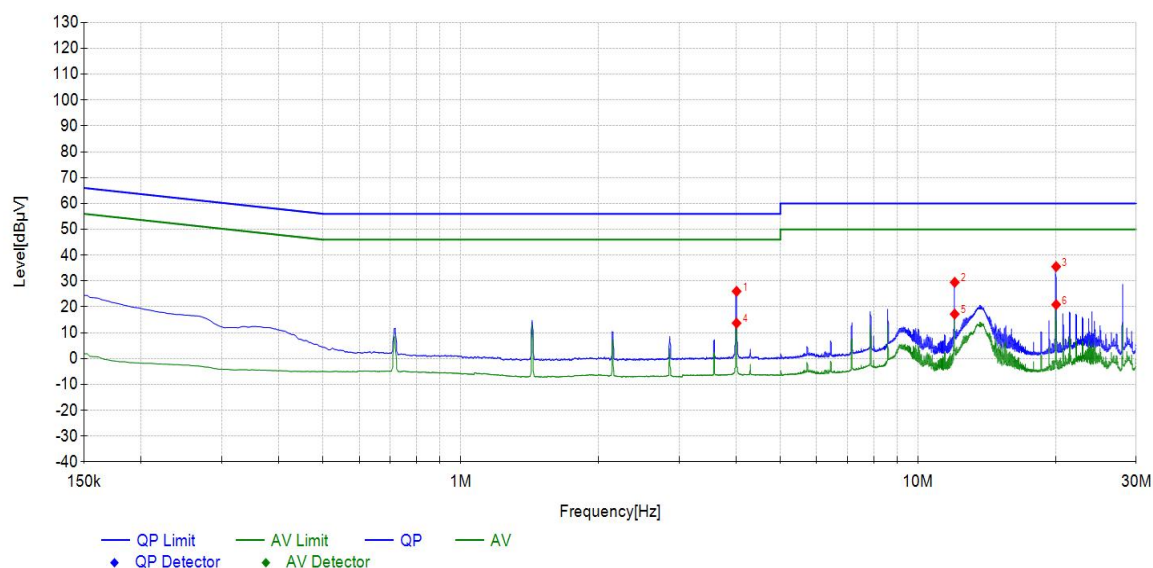
The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 1.96$. $U = 3.12$ dB.

Test Results:

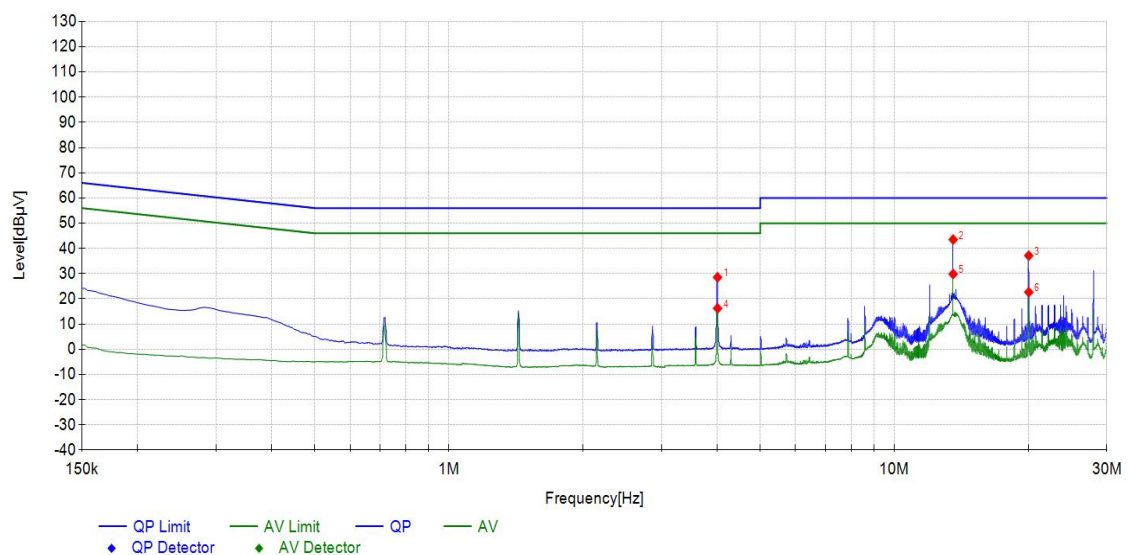
WIFI:

During the test, the Conducted Emission from 150kHz to 30MHz was performed in all modes with all channels, and all antennas. WIFI2.4G, 11N20, Channel 1, Antenna 1 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

Radiates Emission	150k~30MHz							
Power Line	L							
Test channel	Worst-Case							
Suspected List								
Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV]	Limit [dBμV]	Margin [dB]	Detecto r	Type	Pass/Fail
4.011	10.49	15.53	26.02	56.00	29.98	QP	L	PASS
12.0322	10.99	18.52	29.51	60.00	30.49	QP	L	PASS
20.0535	10.80	24.77	35.57	60.00	24.43	QP	L	PASS
4.011	10.49	3.23	13.72	46.00	32.28	AV	L	PASS
12.0322	10.99	6.23	17.22	50.00	32.78	AV	L	PASS
20.0535	10.80	10.10	20.90	50.00	29.10	AV	L	PASS



Radiates Emission		150k~30MHz						
Power Line		N						
Test channel		Worst-Case						
Suspected List								
Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV]	Limit [dBμV]	Margin [dB]	Dete ctor	Type	Pass/Fail
4.011	10.47	18.07	28.54	56.00	27.46	QP	N	PASS
13.56	10.90	32.63	43.53	60.00	16.47	QP	N	PASS
20.049	10.73	26.42	37.15	60.00	22.85	QP	N	PASS
4.011	10.47	5.77	16.24	46.00	29.76	AV	N	PASS
13.56	10.90	18.96	29.86	50.00	20.14	AV	N	PASS
20.0512	10.73	11.92	22.65	50.00	27.35	AV	N	PASS

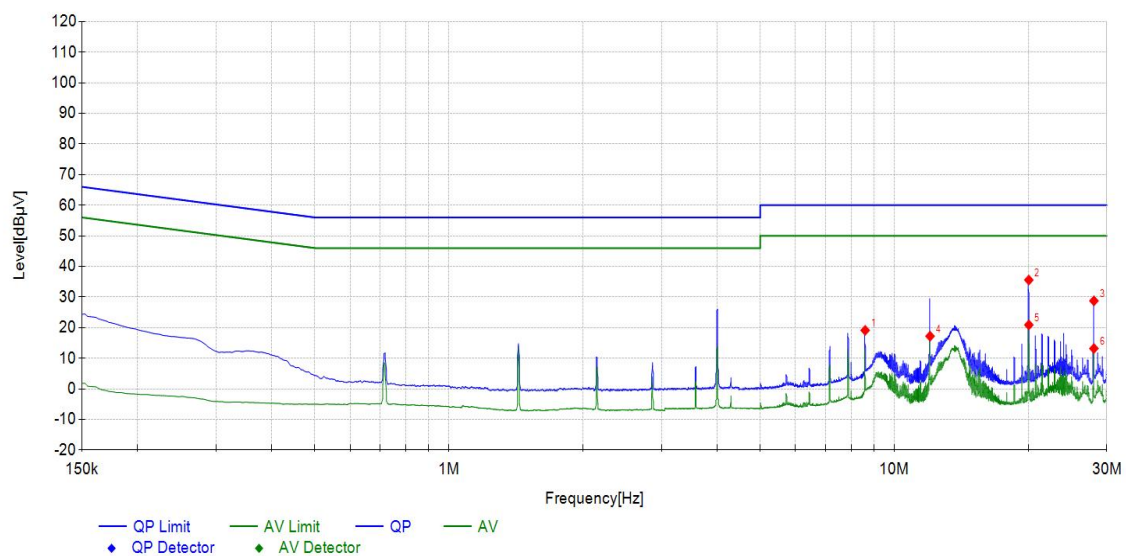


Test Results:

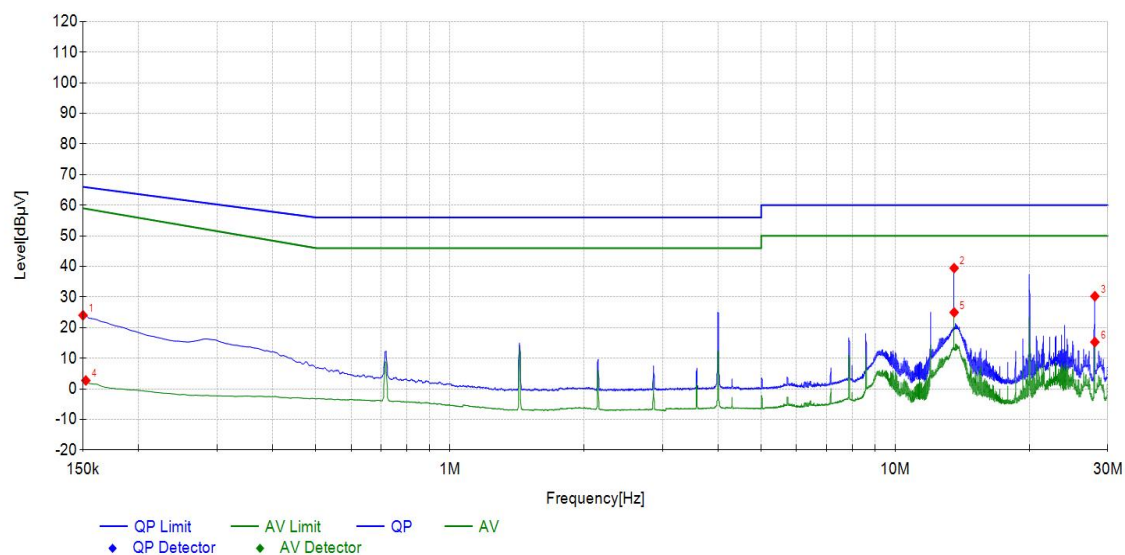
Bluetooth(Low Energy):

During the test, the Conducted Emission from 150kHz to 30MHz was performed in all modes with all channels, and all antennas. Bluetooth(LE_1M), Channel 0, Antenna 1 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

Radiates Emission	150k~30MHz							
Power Line	L							
Test channel	Worst-Case							
Suspected List								
Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV]	Limit [dBμV]	Margin [dB]	Detector	Type	Pass/Fail
8.6032	10.88	8.25	19.13	60.00	40.87	QP	L	PASS
20.0535	10.80	24.77	35.57	60.00	24.43	QP	L	PASS
28.077	10.97	17.79	28.76	60.00	31.24	QP	L	PASS
12.0322	10.99	6.23	17.22	50.00	32.78	AV	L	PASS
20.0535	10.80	10.10	20.90	50.00	29.10	AV	L	PASS
28.0748	10.97	2.23	13.20	50.00	36.80	AV	L	PASS



Radiates Emission		150k~30MHz						
Power Line		N						
Test channel		Worst-Case						
Suspected List								
Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV]	Limit [dBμV]	Margin [dB]	Detector	Type	Pass/Fail
0.15	10.28	13.76	24.04	66.00	41.96	QP	N	PASS
13.56	10.90	28.55	39.45	60.00	20.55	QP	N	PASS
28.0702	10.94	19.33	30.27	60.00	29.73	QP	N	PASS
0.1522	10.28	-7.53	2.75	58.84	56.09	AV	N	PASS
13.56	10.90	14.09	24.99	50.00	25.01	AV	N	PASS
28.0702	10.94	4.36	15.30	50.00	34.70	AV	N	PASS



5.2 Radiated Emission

Ambient condition:

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.2kPa

Method of Measurement:

The EUT was setup and tested according to ANSI C63.10-2020/Cor1-2023.

The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from Antenna to the EUT was 3 meters.

The Antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the Antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10-2020/Cor1-2023 on radiated measurement.

The resolution bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

The frequency range from 30MHz to 10th harmonic is checked.

Note: When doing emission measurement above 1GHz, the horn Antenna will be bended down a little (as horn Antenna has the narrow beamwidth) in order to keeping the Antenna in the “cone of radiation” of EUT. The 3dB beamwidth is 10~60 degrees for H-plane and 10~90 degrees for E-plane.

Limits:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

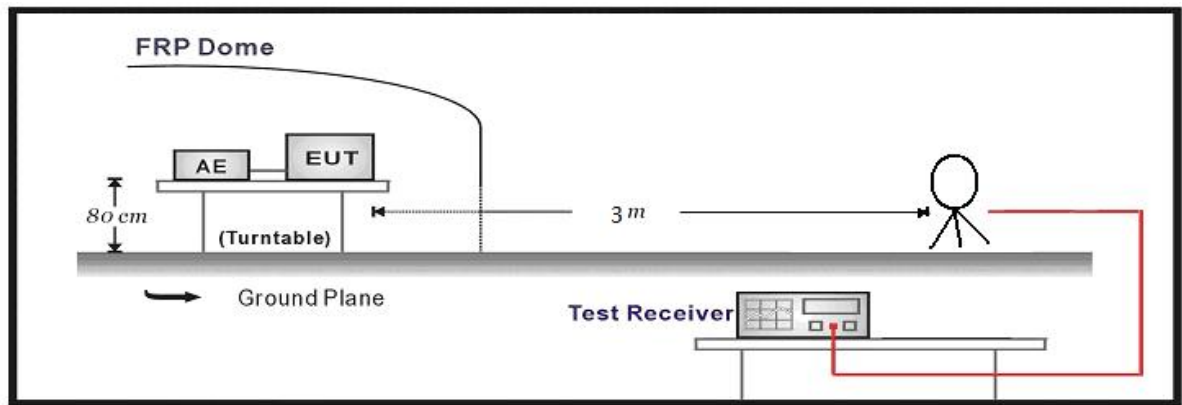
Frequency	Limit (μV/m)	Limit (dBμV/m @3m)	Remark
0.009MHz-0.490MHz	2400/F(kHz)@300m	20lg(24000000/F(kHz))	Quasi-peak Level
0.490MHz~1.705MHz	24000/F(kHz)@30m	20lg(2400000/F(kHz))	Quasi-peak Level
1.705MHz~30.0MHz	30@30m	69.54	Quasi-peak Level
30MHz-88MHz	100@3m	40.0	Quasi-peak Level
88MHz-216MHz	150@3m	43.5	Quasi-peak Level
216MHz-960MHz	200@3m	46.0	Quasi-peak Level
960MHz-1GHz	500@3m	54.0	Quasi-peak Level
Above 1GHz	500@3m	54.0	Average Level
	5000@3m	74.0	Peak Level

Spurious Radiated Emissions are permitted in any of the frequency bands listed below:

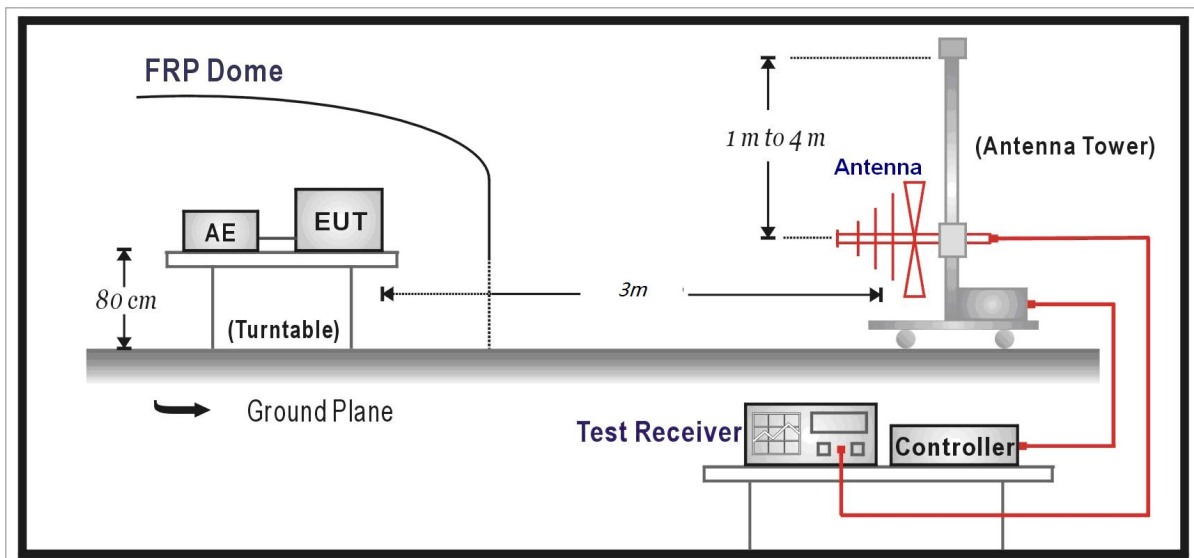
MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	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.
12.57675-12.57725	322-335.4	3600-4400	/
13.36-13.41	/	/	/

Test Setup:

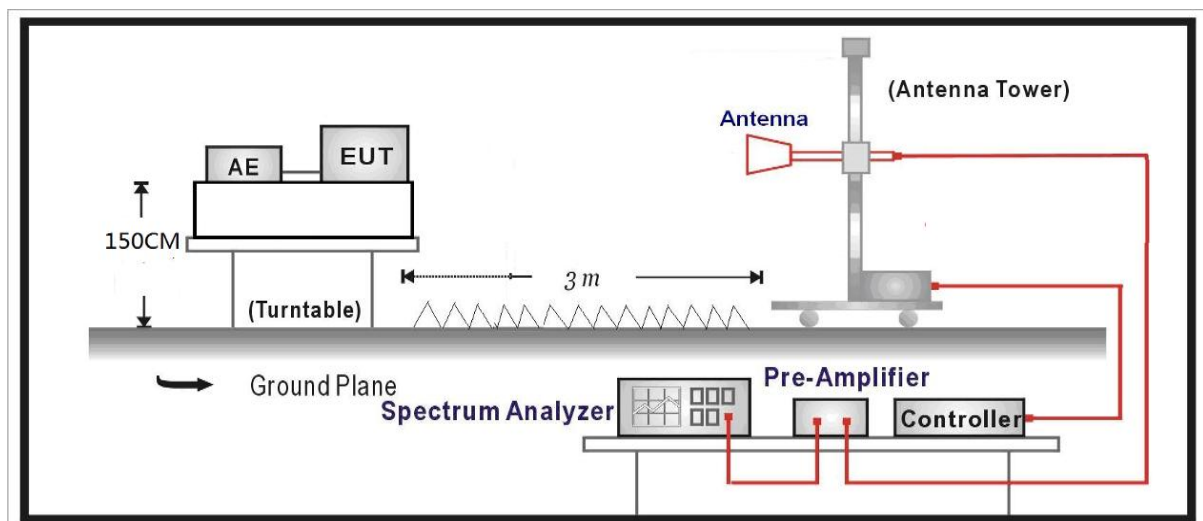
Below 30MHz Test Setup:



Below 1GHz Test Setup:



Above 1GHz Test Setup:



Measurement Data:

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Level = Reading - Factor

Factor = Preamplifier Factor – Antenna Factor–Cable Loss

Measurement Uncertainty:

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 1.96$.

Frequency	Uncertainty
9KHz-30MHz	3.55 dB
30MHz-200MHz	4.19 dB
200MHz-1GHz	3.63 dB
Above 1GHz	3.68 dB

Test Results:

SPURIOUS EMISSIONS:

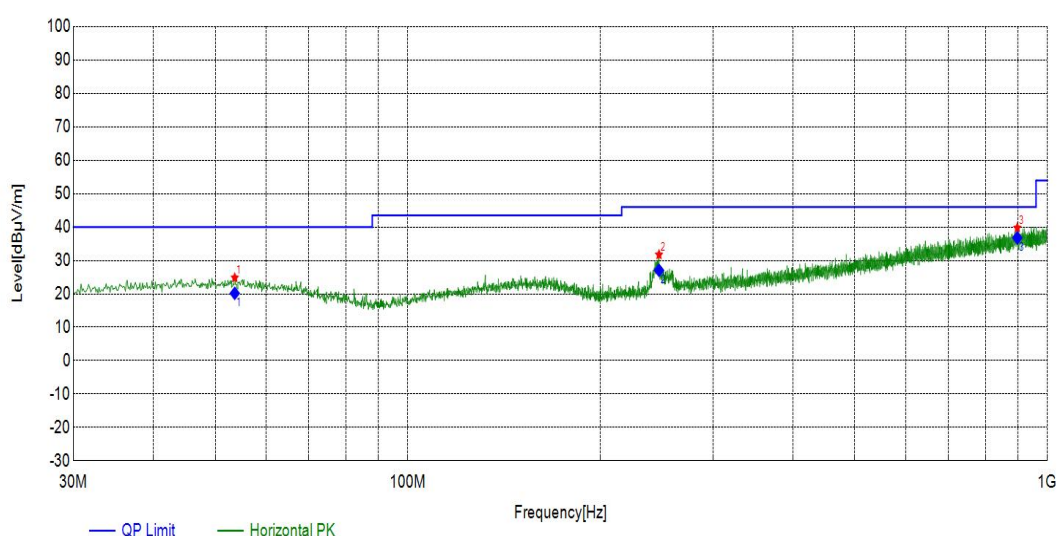
WIFI:

During the test, the Radiates Emission from 9kHz to 1GHz was performed in WIFI all modes with all channels and all antennas. 802.11n20, Channel 1 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

Radiates Emission		9k~1G								
Test channel		Worst-Case								
Suspected List										
Frequency [MHz]	Polarity	Factor [dB]	Reading [dBμV/m]	Level [dBμV /m]	Limit [dBμV/ m]	Margin [dB]	Detect or	Height [cm]	Angle deg	Pass/ Fail
53.6438	Horizontal	20.59	4.25	24.84	40.00	15.16	PK	100	3	PASS
247.0375	Horizontal	19.82	11.93	31.75	46.02	14.27	PK	100	0	PASS
897.18	Horizontal	34.63	5.17	39.80	46.02	6.22	PK	100	33	PASS

Note: 9kHz~30MHz have been test and test data more than 20dB margin.

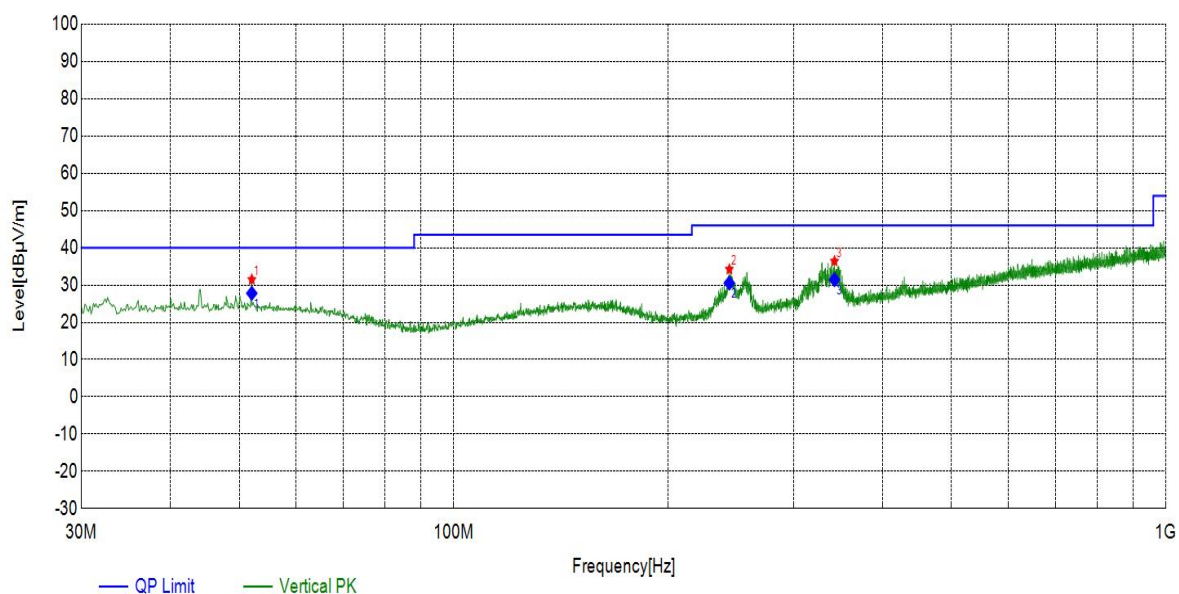
Final Data List									
Frequency [MHz]	Polarity	Factor [dB]	QP Value [dB μ V/m]	QP Limit [dB μ V/m]	QP Margin [dB]	Height [cm]	Angle [°]	Pass/Fail	
53.6438	Horizontal	20.59	20.17	40.00	19.83	110	285	PASS	
247.0375	Horizontal	19.82	27.08	46.02	18.94	180	78	PASS	
897.18	Horizontal	34.63	36.80	46.02	9.22	250	169	PASS	



Radiates Emission			9k~1G							
Test channel			Worst-Case							
Suspected List										
Frequency [MHz]	Polarity	Factor [dB]	Reading [dBμV/ m]	Level [dBμV/ m]	Limit [dBμV/ m]	Margin [dB]	Detect or	Height [cm]	Angle deg	Pass/ Fail
52.0675	Vertical	20.63	10.87	31.50	40.00	8.50	PK	100	241	PASS
243.7638	Vertical	19.69	14.57	34.26	46.02	11.76	PK	100	220	PASS
342.4612	Vertical	23.19	13.24	36.43	46.02	9.59	PK	100	245	PASS

Note: 9kHz~30MHz have been test and test data more than 20dB margin.

Final Data List									
Frequency [MHz]	Polarity	Factor [dB]	QP Value [dB μ V/m]	QP Limit [dB μ V/m]	QP Margin [dB]	Height [cm]	Angle [°]	Pass/Fail	
52.0675	Vertical	20.63	27.81	40.00	12.19	130	139	PASS	
243.7638	Vertical	19.69	30.57	46.02	15.45	160	261	PASS	
342.4612	Vertical	23.19	31.46	46.02	14.56	240	101	PASS	



During the test, the Radiates Emission from 1GHz to 40GHz was performed in WIFI all modes with all channels and all antennas. 802.11n20, Highest, medium, lowest channels are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

Radiates Emission		Above 1G							
Test channel		Lowest							
polarization		Horizontal							
Suspected List									
Frequency [MHz]	Factor [dB]	Reading [dBμV/ m]	Level [dBμV/ m]	Limit [dBμV/ m]	Margin [dB]	Detect or	Height [cm]	Angle deg	Pass/ Fail
4561.656166	0.20	38.41	38.61	74.00	35.39	PK	150	240	PASS
5506.750675	3.49	36.26	39.75	74.00	34.25	PK	150	50	PASS
10097.209721	12.48	32.23	44.71	74.00	29.29	PK	150	320	PASS
4756.675668	1.04	27.73	28.77	54.00	25.23	AV	150	50	PASS
5458.745875	3.36	26.44	29.80	54.00	24.20	AV	150	80	PASS
9620.162016	12.38	22.03	34.41	54.00	19.59	AV	150	120	PASS

Radiates Emission		Above 1G							
Test channel		Lowest							
polarization		Vertical							
Suspected List									
Frequency [MHz]	Factor [dB]	Reading [dBμV/ m]	Level [dBμV/ m]	Limit [dBμV/ m]	Margin [dB]	Detect or	Height [cm]	Angle deg	Pass/ Fail
5367.236724	3.14	35.92	39.06	74.00	34.94	PK	150	150	PASS
6991.89919	8.89	33.75	42.64	74.00	31.36	PK	150	280	PASS
12576.957696	13.00	33.05	46.05	74.00	27.95	PK	150	230	PASS
5359.735974	3.12	26.19	29.31	54.00	24.69	AV	150	60	PASS
6978.39784	8.83	23.51	32.34	54.00	21.66	AV	150	120	PASS
11603.360336	11.89	23.91	35.80	54.00	18.20	AV	150	30	PASS

Note: The emission levels of other frequencies were greater than 20dB margin.

Radiates Emission		Above 1G							
Test channel		Medium							
polarization		Horizontal							
Suspected List									
Frequency [MHz]	Factor [dB]	Reading [dBμV/ m]	Level [dBμV/ m]	Limit [dBμV/ m]	Margin [dB]	Detect or	Height [cm]	Angle deg	Pass/ Fail
4896.189619	1.65	37.15	38.80	74.00	35.20	PK	150	360	PASS
7656.465647	9.13	33.86	42.99	74.00	31.01	PK	150	240	PASS
10800.780078	12.77	32.84	45.61	74.00	28.39	PK	150	130	PASS
4740.174017	0.97	27.57	28.54	54.00	25.46	AV	150	50	PASS
7347.434744	8.99	24.18	33.17	54.00	20.83	AV	150	240	PASS
10746.774678	12.74	22.76	35.50	54.00	18.50	AV	150	10	PASS
Radiates Emission		Above 1G							
Test channel		Medium							
polarization		Vertical							
Suspected List									
Frequency [MHz]	Factor [dB]	Reading [dBμV/ m]	Level [dBμV/ m]	Limit [dBμV/ m]	Margin [dB]	Detect or	Height [cm]	Angle deg	Pass/ Fail
5662.766277	4.15	35.07	39.22	74.00	34.78	PK	150	140	PASS
6991.89919	8.89	33.75	42.64	74.00	31.36	PK	150	230	PASS
7884.488449	9.24	34.49	43.73	74.00	30.27	PK	150	70	PASS
5359.735974	3.12	26.19	29.31	54.00	24.69	AV	150	120	PASS
6559.855986	6.58	23.79	30.37	54.00	23.63	AV	150	140	PASS
7995.49955	9.25	24.39	33.64	54.00	20.36	AV	150	70	PASS

Note: The emission levels of other frequencies were greater than 20dB margin.

Radiates Emission		Above 1G							
Test channel		Highest							
polarization		Horizontal							
Suspected List									
Frequency [MHz]	Factor [dB]	Reading [dBμV/ m]	Level [dBμV/ m]	Limit [dBμV/ m]	Margin [dB]	Detect or	Height [cm]	Angle deg	Pass/ Fail
4746.174618	1.00	38.15	39.15	74.00	34.85	PK	150	230	PASS
6613.861386	6.92	33.06	39.98	74.00	34.02	PK	150	110	PASS
8534.053405	10.03	33.78	43.81	74.00	30.19	PK	150	190	PASS
4288.628863	0.26	27.74	28.00	54.00	26.00	AV	150	320	PASS
6652.865287	7.14	22.75	29.89	54.00	24.11	AV	150	240	PASS
8636.063606	10.11	24.78	34.89	54.00	19.11	AV	150	40	PASS
Radiates Emission		Above 1G							
Test channel		Highest							
polarization		Vertical							
Suspected List									
Frequency [MHz]	Factor [dB]	Reading [dBμV/ m]	Level [dBμV/ m]	Limit [dBμV/ m]	Margin [dB]	Detect or	Height [cm]	Angle deg	Pass/ Fail
4105.610561	0.49	38.09	38.58	74.00	35.42	PK	150	320	PASS
6220.822082	5.96	34.08	40.04	74.00	33.96	PK	150	330	PASS
7833.483348	9.23	34.62	43.85	74.00	30.15	PK	150	240	PASS
4113.111311	0.48	28.13	28.61	54.00	25.39	AV	150	250	PASS
6042.30423	5.75	24.90	30.65	54.00	23.35	AV	150	170	PASS
7947.49475	9.24	24.47	33.71	54.00	20.29	AV	150	210	PASS

Note: The emission levels of other frequencies were greater than 20dB margin.

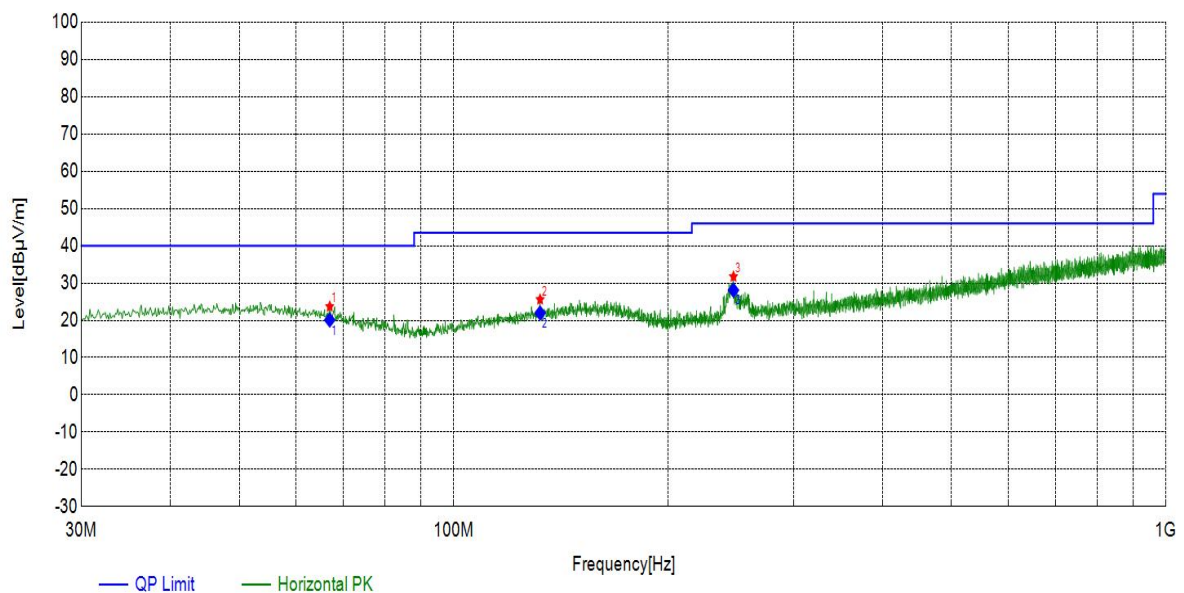
Bluetooth(Low Energy):

During the test, the Radiates Emission from 9kHz to 40GHz was performed in Bluetooth(Low Energy) all modes with all channels and all antennas. BLE(1Mbps), channel 0, antenna 1 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

Radiates Emission		9k~1G								
Test channel		Worst-Case								
Suspected List										
Frequency [MHz]	Polarity	Factor [dB]	Reading [dBμV/m]	Level [dBμV /m]	Limit [dBμV/ m]	Margin [dB]	Detect or	Height [cm]	Angle deg	Pass/ Fail
66.9812	Horizontal	19.11	4.60	23.71	40.00	16.29	PK	100	13	PASS
132.2138	Horizontal	19.88	5.72	25.60	43.52	17.92	PK	100	35	PASS
247.0375	Horizontal	19.82	11.93	31.75	46.02	14.27	PK	100	0	PASS

Note: 9kHz~30MHz have been test and test data more than 20dB margin.

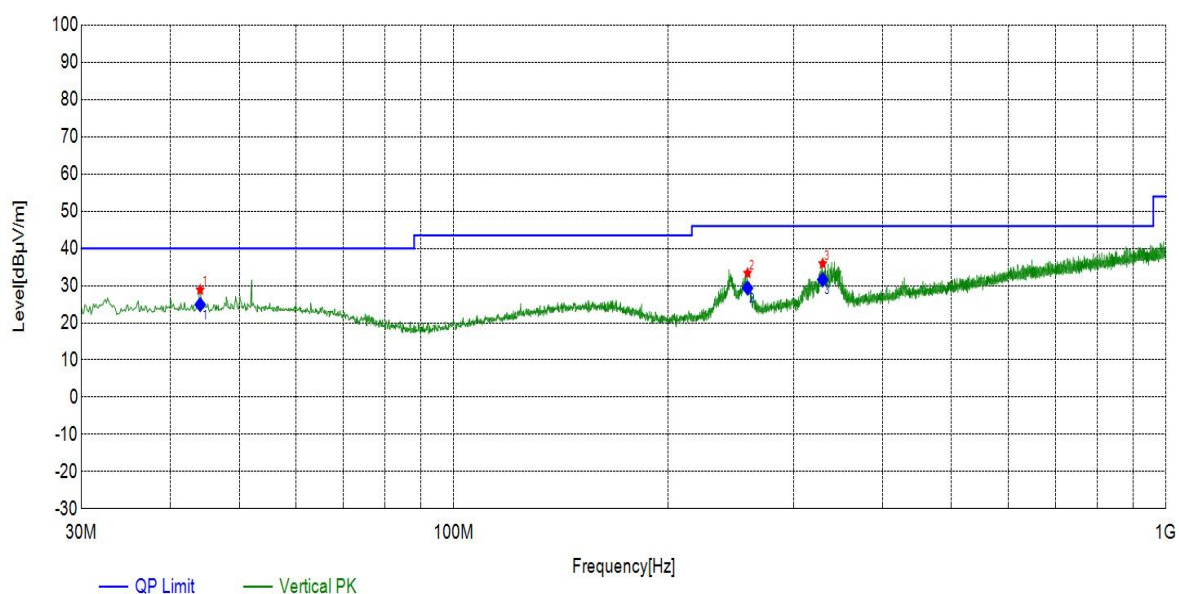
Final Data List									
Frequency [MHz]	Polarity	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Pass/Fail	
66.9812	Horizontal	19.11	20.08	40.00	19.92	120	315	PASS	
132.2138	Horizontal	19.88	21.97	43.52	21.55	140	158	PASS	
247.0375	Horizontal	19.82	28.12	46.02	17.90	250	92	PASS	



Radiates Emission			9k~1G							
Test channel			Worst-Case							
Suspected List										
Frequency [MHz]	Polarity	Factor [dB]	Readin g [dBμV/ m]	Level [dBμV/ m]	Limit [dBμV/ m]	Margin [dB]	Detect or	Height [cm]	Angle deg	Pass/ Fail
44.065	Vertical	20.51	8.39	28.90	40.00	11.10	PK	100	300	PASS
258.5562	Vertical	20.30	13.06	33.36	46.02	12.66	PK	100	292	PASS
329.6088	Vertical	22.84	13.09	35.93	46.02	10.09	PK	100	262	PASS

Note: 9kHz~30MHz have been test and test data more than 20dB margin.

Final Data List									
Frequency [MHz]	Polarity	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Pass/Fail	
44.065	Vertical	20.51	24.90	40.00	15.10	220	286	PASS	
258.5562	Vertical	20.30	29.36	46.02	16.66	160	137	PASS	
329.6088	Vertical	22.84	31.60	46.02	14.42	270	169	PASS	



During the test, the Radiates Emission from 1GHz to 40GHz was performed in WIFI all modes with all channels and all antennas. BLE(1Mbps), Highest, medium, lowest channels, antenna 1 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

Radiates Emission		Above 1G							
Test channel		Lowest							
polarization		Horizontal							
Suspected List									
Frequency [MHz]	Factor [dB]	Reading [dBμV/ m]	Level [dBμV/ m]	Limit [dBμV/ m]	Margin [dB]	Detect or	Height [cm]	Angle deg	Pass/ Fail
4639.663966	0.53	38.40	38.93	74.00	35.07	PK	150	30	PASS
5383.738374	3.18	35.41	38.59	74.00	35.41	PK	150	340	PASS
6315.331533	5.97	34.04	40.01	74.00	33.99	PK	150	180	PASS
4689.168917	0.75	27.84	28.59	54.00	25.41	AV	150	60	PASS
5286.228623	2.98	25.65	28.63	54.00	25.37	AV	150	120	PASS
6573.357336	6.67	23.22	29.89	54.00	24.11	AV	150	250	PASS
Radiates Emission		Above 1G							
Test channel		Lowest							
polarization		Vertical							
Suspected List									
Frequency [MHz]	Factor [dB]	Reading [dBμV/ m]	Level [dBμV/ m]	Limit [dBμV/ m]	Margin [dB]	Detect or	Height [cm]	Angle deg	Pass/ Fail
4873.687369	1.55	38.45	40.00	74.00	34.00	PK	150	160	PASS
7872.487249	9.24	33.52	42.76	74.00	31.24	PK	150	190	PASS
11409.840984	12.00	34.33	46.33	74.00	27.67	PK	150	320	PASS
4864.686469	1.51	27.38	28.89	54.00	25.11	AV	150	240	PASS
7897.989799	9.24	24.35	33.59	54.00	20.41	AV	150	40	PASS
10779.777978	12.75	23.08	35.83	54.00	18.17	AV	150	190	PASS

Note: The emission levels of other frequencies were greater than 20dB margin.

Radiates Emission		Above 1G							
Test channel		Medium							
polarization		Horizontal							
Suspected List									
Frequency [MHz]	Factor [dB]	Reading [dBμV/ m]	Level [dBμV/ m]	Limit [dBμV/ m]	Margin [dB]	Detect or	Height [cm]	Angle deg	Pass/ Fail
4147.614762	0.47	38.16	38.63	74.00	35.37	PK	150	320	PASS
4896.189619	1.65	37.15	38.80	74.00	35.20	PK	150	360	PASS
9591.659166	12.39	32.33	44.72	74.00	29.28	PK	150	50	PASS
4047.104711	0.52	27.79	28.31	54.00	25.69	AV	150	220	PASS
4854.185419	1.47	27.51	28.98	54.00	25.02	AV	150	240	PASS
9266.126613	11.35	21.93	33.28	54.00	20.72	AV	150	120	PASS
Radiates Emission		Above 1G							
Test channel		Medium							
polarization		Vertical							
Suspected List									
Frequency [MHz]	Factor [dB]	Reading [dBμV/ m]	Level [dBμV/ m]	Limit [dBμV/ m]	Margin [dB]	Detect or	Height [cm]	Angle deg	Pass/ Fail
4936.693669	1.82	37.01	38.83	74.00	35.17	PK	150	60	PASS
6085.808581	5.80	34.33	40.13	74.00	33.87	PK	150	160	PASS
8529.552955	10.03	34.25	44.28	74.00	29.72	PK	150	150	PASS
4735.673567	0.96	28.18	29.14	54.00	24.86	AV	150	10	PASS
5965.79658	5.52	24.58	30.10	54.00	23.90	AV	150	160	PASS
8591.059106	10.10	23.96	34.06	54.00	19.94	AV	150	230	PASS

Note: The emission levels of other frequencies were greater than 20dB margin.

Radiates Emission		Above 1G							
Test channel		Highest							
polarization		Horizontal							
Suspected List									
Frequency [MHz]	Factor [dB]	Reading [dBμV/ m]	Level [dBμV/ m]	Limit [dBμV/ m]	Margin [dB]	Detect or	Height [cm]	Angle deg	Pass/ Fail
4960.69607	1.92	37.09	39.01	74.00	34.99	PK	150	190	PASS
5983.79838	5.61	33.60	39.21	74.00	34.79	PK	150	290	PASS
9762.676268	12.41	31.56	43.97	74.00	30.03	PK	150	260	PASS
5061.206121	2.31	26.30	28.61	54.00	25.39	AV	150	120	PASS
6030.30303	5.73	24.24	29.97	54.00	24.03	AV	150	140	PASS
9444.644464	12.09	21.99	34.08	54.00	19.92	AV	150	220	PASS
Radiates Emission		Above 1G							
Test channel		Highest							
polarization		Vertical							
Suspected List									
Frequency [MHz]	Factor [dB]	Reading [dBμV/ m]	Level [dBμV/ m]	Limit [dBμV/ m]	Margin [dB]	Detect or	Height [cm]	Angle deg	Pass/ Fail
6085.808581	5.80	34.33	40.13	74.00	33.87	PK	150	240	PASS
8375.037504	9.81	33.74	43.55	74.00	30.45	PK	150	250	PASS
9701.170117	12.39	31.99	44.38	74.00	29.62	PK	150	250	PASS
5965.79658	5.52	24.58	30.10	54.00	23.90	AV	150	10	PASS
8418.541854	9.87	23.38	33.25	54.00	20.75	AV	150	20	PASS
9552.655266	12.36	22.69	35.05	54.00	18.95	AV	150	10	PASS

Note: The emission levels of other frequencies were greater than 20dB margin.

Band Edge:

During the test, the Band Edge was performed in WIFI all modes with all channels and all antennas.

802.11n20 are selected as the worst condition. The test data of the worst-case condition was recorded in this report..

Test mode			802.11n20						
Test channel			Lowest channel						
polarization			Horizontal						
Suspected List									
Frequency [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detect or	Height [cm]	Angle deg	Pass/ Fail
2372.3372	31.98	11.37	43.35	74.00	30.65	PK	150	208	PASS
2390.1390	32.06	7.77	39.83	74.00	34.17	PK	150	103	PASS
2411.1411	32.13	58.65	90.78	---	---	PK	150	103	---
2372.3372	31.98	-0.72	31.26	54.00	22.74	AV	150	91	PASS
2390.1390	32.06	-0.38	31.68	54.00	22.32	AV	150	150	PASS
2410.1409	32.12	47.65	79.77	---	---	AV	150	161	---
Test mode			802.11n20						
Test channel			Lowest channel						
polarization			Vertical						
Suspected List									
Frequency [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detect or	Height [cm]	Angle deg	Pass/ Fail
2359.9359	31.94	7.04	38.98	74.00	35.02	PK	150	240	PASS
2390.1390	32.06	8.30	40.36	74.00	33.64	PK	150	311	PASS
2413.1420	32.16	53.74	85.90	---	---	PK	150	83	---
2359.9359	31.94	-1.50	30.44	54.00	23.56	AV	150	323	PASS
2390.1390	32.06	-1.28	30.78	54.00	23.22	AV	150	5	PASS
2416.1416	32.15	44.62	76.77	---	---	AV	150	120	---

Test mode		802.11n20							
Test channel		Highest channel							
polarization		Horizontal							
Suspected List									
Frequency [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/ Fail
2466.3466	32.32	59.13	91.45	---	---	PK	150	164	---
2483.5483	32.38	35.65	68.03	74.00	5.97	PK	150	140	PASS
2521.3521	32.54	9.64	42.18	74.00	31.82	PK	150	176	PASS
2468.1473	32.35	51.73	84.08	---	---	AV	150	164	---
2483.5483	32.38	15.85	48.23	54.00	5.77	AV	150	176	PASS
2521.3521	32.54	-1.36	31.18	54.00	22.82	AV	150	22	PASS
Test mode		802.11n20							
Test channel		Highest channel							
polarization		Vertical							
Suspected List									
Frequency [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/ Fail
2466.7466	32.32	53.14	85.46	---	---	PK	150	88	---
2483.5483	32.38	7.79	40.17	74.00	33.83	PK	150	76	PASS
2497.9497	32.44	9.39	41.83	74.00	32.17	PK	150	208	PASS
2467.7467	32.33	40.46	72.79	---	---	AV	150	88	---
2483.5483	32.38	-1.05	31.33	54.00	22.67	AV	150	76	PASS
2497.9497	32.44	-0.70	31.74	54.00	22.26	AV	150	172	PASS

During the test, the Band Edge was performed in BLE all modes with all channels and all antennas.

BLE(1Mbps), Antenna 1 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

Test mode			BLE(1Mbps)						
Test channel			Lowest channel						
polarization			Horizontal						
Suspected List									
Frequency [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detect or	Height [cm]	Angle deg	Pass/ Fail
2373.7373	31.99	7.71	39.70	74.00	34.30	PK	150	341	PASS
2390.1390	32.06	7.39	39.45	74.00	34.55	PK	150	92	PASS
2402.1402	32.10	72.73	104.83	---	---	PK	150	163	---
2373.7373	31.99	-1.41	30.58	54.00	23.42	AV	150	293	PASS
2390.1390	32.06	-0.63	31.43	54.00	22.57	AV	150	186	PASS
2402.1402	32.10	56.15	88.25	---	---	AV	150	186	---
Test mode			BLE(1Mbps)						
Test channel			Lowest channel						
polarization			Vertical						
Suspected List									
Frequency [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detect or	Height [cm]	Angle deg	Pass/ Fail
2362.1362	31.95	11.59	43.54	74.00	30.46	PK	150	163	PASS
2390.1390	32.06	7.87	39.93	74.00	34.07	PK	150	34	PASS
2401.9401	32.09	68.24	100.33	---	---	PK	150	116	---
2362.1362	31.95	-1.12	30.83	54.00	23.17	AV	150	186	PASS
2390.1390	32.06	-0.65	31.41	54.00	22.59	AV	150	359	PASS
2402.1402	32.10	47.71	79.81	---	---	AV	150	92	---

Test mode		BLE(1Mbps)							
Test channel		Highest channel							
polarization		Horizontal							
Suspected List									
Frequency [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detect or	Height [cm]	Angle deg	Pass/ Fail
2479.9479	32.37	70.55	102.92	---	---	PK	150	115	---
2483.5483	32.38	13.20	45.58	74.00	28.42	PK	150	360	PASS
2492.3492	32.41	10.09	42.50	74.00	31.50	PK	150	328	PASS
2480.1480	32.37	53.55	85.92	---	---	AV	150	115	---
2483.5483	32.38	2.21	34.59	54.00	19.41	AV	150	115	PASS
2492.3492	32.41	-1.05	31.36	54.00	22.64	AV	150	257	PASS
Test mode		BLE(1Mbps)							
Test channel		Highest channel							
polarization		Vertical							
Suspected List									
Frequency [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detect or	Height [cm]	Angle deg	Pass/ Fail
2480.1480	32.37	66.12	98.49	---	---	PK	150	115	---
2483.5483	32.38	8.44	40.82	74.00	33.18	PK	150	115	PASS
2491.1491	32.41	9.75	42.16	74.00	31.84	PK	150	244	PASS
2480.1480	32.37	49.60	81.97	---	---	AV	150	139	---
2483.5483	32.38	0.65	33.03	54.00	20.97	AV	150	115	PASS
2491.1491	32.41	-1.02	31.39	54.00	22.61	AV	150	348	PASS

5.3 Maximum conducted output power

Ambient condition:

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.2kPa

Method of Measurement:

a.A peak power sensor was used on the output port of the EUT. A power meter was used to read the response of the peak power sensor and set the detector to PEAK. Record the power level.

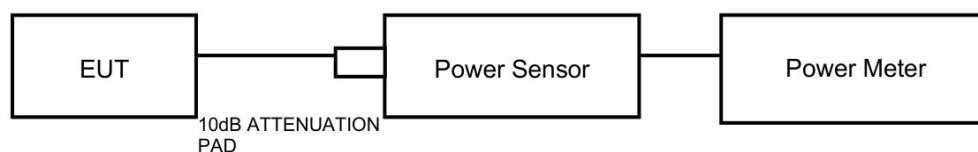
Limits:

Average Output Power	$\leq 1\text{W}$ (30dBm)
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Note: the conducted output power limit specified above is based on the use the antennas with directional gains that do not exceed 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated Levels above, as appropriate, by the amount in dB that the directional gain of antenna exceeds 6 dBi.

Systems operating in the 2400-2483.5 MHz band that are used exclusively for fixed, point-to-point operations may employ transmitting antennas with directional gain greater than 6 dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

Test Setup:



Measurement Uncertainty:

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$, $U = 0.44$ dB.

5.4 Minimum 6 dB Bandwidth

Ambient condition:

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.2kPa

Method of Measurement:

The EUT was connected to the spectrum analyzer through an external attenuator (20dB) and a known loss cable. Set RBW = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz; VBW is set to greater than 3 times RBW on spectrum analyzer.

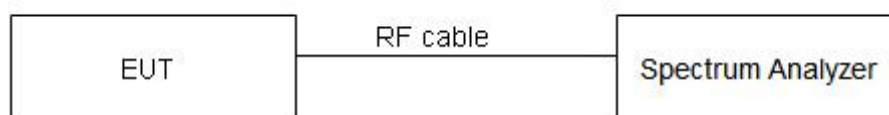
Detector=Peak, Trace mode=Max hold.

Limits:

Rule Part 15.247 (a) (2) specifies that “Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.”

Minimum 6dB Bandwidth	≥ 500 kHz
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Test Setup:



Measurement Uncertainty:

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$, $U = 936$ Hz.

5.5 Occupied Channel Bandwidth

Ambient condition:

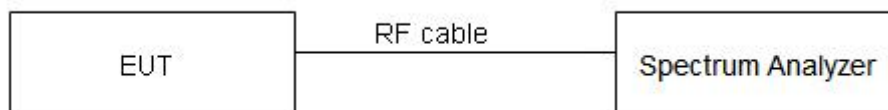
Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.2kPa

Method of Measurement:

The EUT was connected to the spectrum analyzer through an external attenuator (20dB) and a known loss cable. RBW is set to 1% to 5% of the OBW; video bandwidth (VBW) shall be at least three times RBW on spectrum analyzer.

Detector=Peak, Trace mode=Max hold.

Test Setup:



Measurement Uncertainty:

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$, $U = 936$ Hz.

5.6 Band Edge Measurement

Ambient condition:

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.2kPa

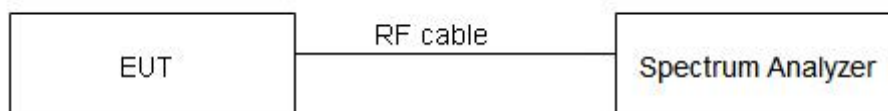
Method of Measurement:

The EUT was connected to the spectrum analyzer through an external attenuator (20dB) and a known loss cable the band edge of the lowest and highest channels were measured. The peak detector is used and RBW is set to 100 kHz and VBW is set to 300 kHz on spectrum analyzer.

Limits:

Rule Part 15.247(d) specifies that “In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

Test Setup:



Measurement Uncertainty:

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 1.96$, $U = 936 \text{ Hz}$, $2 \text{ GHz}-3 \text{ GHz} = 1.407 \text{ dB}$.

5.7 Maximum Power Spectral Density

Ambient condition:

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.2kPa

Method of Measurement:

During the process of the testing, The EUT was connected to Spectrum Analyzer with a known loss. The EUT is max power transmission with proper modulation. The Peak detector is used.

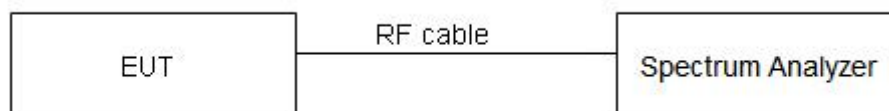
The conducted Power is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically.

Limits:

Rule Part 15.247(e) specifies that” For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

Maximum Power Spectral Density	$\leq 8 \text{ dBm} / 3\text{kHz}$
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Test Setup:



Measurement Uncertainty:

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$, $U = 0.75\text{dB}$.

5.8 Spurious RF Conducted Emissions

Ambient condition:

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.2kPa

Method of Measurement:

The EUT was connected to the spectrum analyzer with a known loss. The spectrum analyzer scans from 30MHz to the 10th harmonic of the carrier. The peak detector is used. Set RBW to 100kHz and VBW to 300 kHz, Sweep is set to AUTO. The test is in transmitting mode.

Limits:

Rule Part 15.247(d) specifies that “In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power.

Test Setup:



Measurement Uncertainty:

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 1.96$.

Frequency	Uncertainty
100kHz-2GHz	0.684 dB
2GHz-26GHz	1.407 dB

6. Appendix X

Test Equipment	Type/Mode	SERIAL NO.	Equipment No.	Manufacturer	Cal. Due
Communication Shielded Room 2	4m*3m*3m	CRTDSWKS R 44301	/	CRT	2027/04/22
Spectrum Analyzer	FSV40	101580	DZ-000238-3	R&S	2026/03/27
Power Meter	JS0806-2	19H9080187	DZ-000241	Tonscend	2026/03/27
Programmable DC Power Supply	E3644A	MY58036222	DZ-000178	KEYSIG HT	2026/04/10
5m Semi-Anechoic Chamber	SAC-5	SAC-5-2.0	EM-000557	COMTES T	2027/02/01
Spectrum Analyzer	N9010B	MY57470323	DZ-000174	KEYSIG HT	2026/01/01
EMI Test Receiver	N9038A-508	MY532290079	EM-000397	Agilent	2025/12/26
EMI Test Receiver	ESR7	102235	EM-000574	R&S	2026/01/05
loop antenna	HLA 6121	540046	EM-000546	TESEQ	2026/06/02
Broadband Antenna	VULB 9163	9163-530	EM-000342	SCHWAR ZBECK	2026/06/02
Waveguide Horn Antenna	HF906	360306/008	EM-000093	R&S	2025/12/26
Waveguide Horn Antenna	BBHA9170	00949	DZ-000209-2	SCHWAR ZBECK	2025/08/03
Preamplifier	BBV 9721	9721-050	DZ-000209-1	SCHWAR ZBECK	2026/06/02
Bandstop Filters	SW-BSF-2400-100-7-A 1	/	EM-000495	/	2025/08/29
5.8GHz band resistance	ZBSF6-C5725-5850-16 27	1232740	DZ-000399-2	Tonscend	2026/05/29
Temperature and humidity meter	MHO-C201	/	DZ-000249-2	Seconds test	2025/07/28
Temperature and humidity meter	MHO-C201	/	DZ-000249-5	Seconds test	2025/07/28

Dynacomm	Software Release	Software Developer
TS1120-3 Test System(Conduction test)	3.3.38	Tonscend
TS+ (5m,Radiation test)	JS32-RE 5.0.0	Tonscend

————— No Body Text Below —————

Important

1. The test report is invalid without the official stamp of CVC;
2. Any part photocopies of the test report are forbidden without the written permission from CVC;
3. The test report is invalid without the signatures of Author and Reviewer;
4. The test report is invalid if altered;
5. Objections to the test report must be submitted to CVC within 15 days;
6. Generally, commission test is responsible for the tested samples only;
7. As for the test result, “—” or “ N/A” means “not applicable”, “ / ”means “not testing”, “P” means “pass” and “F” means “fail”.

Address: No.3,Tiantaiyi Road, Kaitai Avenue, Science City, Guangzhou, China (Test location)

Post Code: 510663 Tel: 020-32293888

FAX: 020 32293889 E-mail: office@cvc.org.cn