

ITEL MOBILE LIMITED

TEST REPORT

SCOPE OF WORK

FCC TESTING— A675L

REPORT NUMBER

251205047SZN-003

ISSUE DATE

Dec. 22, 2025

[REVISED DATE]

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RF Test Report

Applicant: ITEL MOBILE LIMITED

Address of Applicant: FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-
25 SHAN MEI STREET FOTAN NT HONGKONG

Equipment Under Test (EUT)

Product Name: Mobile Phone

Model No.: A675L

Trademark: itel

FCC ID: 2AJMN-A675L

Applicable Standards: FCC CFR Title 47 Part 15C (§15.247)

Date of Test: Dec. 05, 2025 to Dec. 14, 2025

Test Result: PASS

Prepared and Checked by:



Bruce Zheng
Project Engineer

Approved by:



Damon Wang
Team Leader
Date: Dec. 22, 2025

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Intertek Testing Service Shenzhen Ltd. Longhua Branch

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1 Version

Report No.	Version No.	Description	Issued Date
251205047SZN-003	01	Original	Dec. 22, 2025

2 Summary of Test Result

Test items	Standard clause	Test Method	Test data	Result
Antenna Requirement	15.203 15.247 (b)(4)	/	See Section 5.2	Pass
AC Power Line Conducted Emission	15.207	ANSI C63.10 clause 6.2	See Section 5.3	Pass
Duty Cycle	ANSI C63.10-2020	ANSI C63.10 clause 11.6	Appendix – 2.4G Wi-Fi	Pass
Conducted Output Power	15.247 (b)(3)	ANSI C63.10 clause 11.9.2.3.2		Pass
6dB Emission Bandwidth 99% Occupied Bandwidth	15.247 (a)(2)	ANSI C63.10 clause 11.8.1 and 6.9.3		Pass
Power Spectral Density	15.247 (e)	ANSI C63.10 clause 11.10.5		Pass
Band-edge Emission Conduction Spurious Emission	15.247 (d)	ANSI C63.10 clause 6.10.4		Pass
Emissions in Restricted Frequency Bands	15.205 15.247 (d)	ANSI C63.10 clause 6.10.5, 11.12.1 and 11.12.2.5.2	See Section 5.4	Pass
Emissions in Non-restricted Frequency Bands	15.209 15.247(d)	ANSI C63.10 clause 6.3, 6.5, 6.6, 6.2.3 and 11.12.2.5.2	See Section 5.5	Pass
Remark: 1. Pass: The EUT complies with the essential requirements in the standard. 2. N/A: Not Applicable. 3. The cable insertion loss used by "Conducted Output Power" and other conduction measurement items is 0.5dB (provided by the customer).				
Test Method: ANSI C63.10-2020 KDB 558074 D01 15.247 Meas Guidance v05r02				

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4 General Information

4.1 Client Information

Applicant:	ITEL MOBILE LIMITED
Address:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG
Manufacturer:	ITEL MOBILE LIMITED
Address:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG

4.2 General Description of E.U.T.

Equipment Class:	Spread Spectrum Transmitter (DSS)
Product Name:	Mobile Phone
Model No.:	A675L
Operation Frequency:	2412 MHz - 2462 MHz (802.11b, g, n-HT20)
Channel Numbers:	11 (802.11b, g, n-HT20)
Channel Separation:	5MHz
Modulation Technology: (IEEE 802.11b)	DSSS-DBPSK, DQPSK, CCK
Modulation Technology: (IEEE 802.11g/802.11n)	OFDM-BPSK, QPSK, 16QAM, 64QAM
Antenna Type:	Internal Antenna
Antenna Gain:	-0.58 dBi (This information is provided by applicant, and the applicant is responsible for the authenticity of the provided information.)
Antenna Transmit Mode:	SISO (1TX, 1RX)
Power Supply:	Rechargeable Li-ion Battery DC3.85V, 4900mAh
AC Adapter:	Model: U100ISB Input: AC100-240V, 50/60Hz, 0.3A Output: DC 5.0V, 2.0A 10.0W
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

4.3 Disclaimer

Disclaimer:
For the information or data provided by the client in this report, the relevant results or conclusions of this report are only made for these data or information. The testing laboratory is not responsible for the authenticity and accuracy of these data or information.

4.4 Test Mode and Test Environment

Test Mode:	
Transmitting mode:	Keep the EUT in continuous transmitting with modulation
Per-scan all kind of data rate, the follow list was the worst case:	
Mode	Data rate
802.11b	1Mbps
802.11g	6Mbps
802.11n-HT20	6.5Mbps
802.11n-HT40	13.5Mbps
Remark: - For AC power line conducted emission and radiated spurious emission (below 1GHz), pre-scan 802.11b, g, n modulation mode, found 802.11b modulation and Lowest channel mode was worse case mode. The report only reflects the test data of worst mode. - Channel Low, Mid and High for each type band with rated data rate were chosen for full testing. The field strength of spurious radiation emission was measured as EUT stand-up position (H mode) and lie down position (E1, E2 mode) for these modes. Just the worst case position (H mode) shown in report. - During the test, the mobile phone dial interface is used to enter the EUT engineering mode, and the prototype transmission power level is set as follows: The 802.11b mode transmission power level is 18, the 802.11g mode prototype transmission power level is 15, the 802.11n20 mode prototype transmission power level is 14 and the 802.11n40 mode prototype transmission power level is 14.	
Operating Environment:	
Temperature:	15°C ~ 35°C
Humidity:	20 % ~ 75 % RH
Atmospheric Pressure:	1008 mbar
Voltage:	Nominal: 3.85Vdc, Extreme: Low 3.60Vdc, High 4.40Vdc
Test Engineer:	Bruce Zheng

4.5 Description of Test Auxiliary Equipment

The EUT has been tested as an independent unit.

4.6 Measurement Uncertainty

Parameter	Expanded Uncertainty (Confidence of 95% (U = 2Uc(y)))
Channel Bandwidth	±3.46%
RF Output Power	±0.31dB
Power Spectral Density	±1.19dB
Conducted Unwanted Emission	±0.55dB
Spurious emission (above 18GHz)	±5.3dB
Spurious emission (6GHz to 18GHz)	±5.1dB
Radiated emission (1GHz to 6GHz)	±4.8dB
Radiated emission (Up to 1GHz)	±4.8dB
AC Conducted emission	±3.2dB
Temperature	±1°C
Humidity	±5%

Note: All the measurement uncertainty value were shown with a coverage k=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

4.7 Additions to, Deviations, or Exclusions From the Method

No

4.8 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

● **FCC - Designation No.: CN1188**

Intertek Testing Services Shenzhen Ltd. Longhua Branch has been accredited as a testing laboratory by FCC (Federal Communications Commission). The test firm Registration No. is 435976.

4.9 Laboratory Location

Intertek Testing Services Shenzhen Ltd. Longhua Branch

Address: 101, 201, Building B, No. 308 Wuhe Avenue, Zhangkengjing Community, GuanHu Subdistrict, LongHua District, ShenZhen.

4.10 Test Instruments List

Equipment No.	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due Date
SZ182-02	RF Power Meter	Anritsu	ML2496A	1302005	2025-04-21	2026-04-21
SZ182-02-01	Pulse Power Sensor	Anritsu	MA2411B	1207429	2025-04-21	2026-04-21
SZ056-06	Signal Analyzer	R&S	FSV 40	101101	2025-12-01	2026-12-01
SZ061-13	BiConiLog Antenna	ETS	3142E	00217919	2025-05-29	2028-05-29
SZ061-08	Horn Antenna	ETS	3115	00092346	2024-09-13	2027-09-13
SZ061-06	Active Loop Antenna	Electro-Metrics	EM-6876	217	2024-05-05	2027-05-05
SZ061-07	Pyramidal Horn Antenna	ETS	3160-09	00083067	2025-09-11	2028-09-11
SZ185-03	EMI Receiver	R&S	ESR7	101975	2025-04-13	2026-04-13
SZ056-05	Signal Analyzer	R&S	FSV 40	101101	2025-12-01	2026-12-01
SZ181-08	Microwave System Amplifier	keysight	83017A	MY57280108	2025-07-30	2026-07-30
SZ188-05	Anechoic Chamber	ETS	FACT 3-2.0	CT001880-Q13914102	2025-06-18	2028-06-18
SZ062-23	RF Cable	HUBER+SUHNER	SF104PE-1M	MY4262/4PE	2025-09-15	2026-09-15
SZ062-40	RF Cable	Talent Microwave	A50-3.5M3.5M-4.5M	22012932	2025-09-15	2026-09-15
SZ062-38	RF Cable	Talent Microwave	A50-3.5M3.5M-8M	21051695	2025-09-15	2026-09-15
SZ067-25	Notch Filter	Micro-Tronics	BRM50716	076	2025-02-22	2026-02-22
SZ067-04	Notch Filter	Micro-Tronics	BRM50702-02	015	2025-04-21	2026-04-21
SZ185-02	EMI Test Receiver	R&S	ESCI	100692	2025-06-30	2026-06-30
SZ187-02	Two-Line V-Network	R&S	ENV216	100073	2025-04-25	2026-04-25
SZ188-03	Shielding Room	ETS	RFD-100	4100	2022-12-20	2025-12-20
SZ062-16	RF Cable	HUBER+SUHNER	CBL2-BN-1m	110127-2231000	2025-06-30	2026-06-30

5 Measurement Setup and Procedure

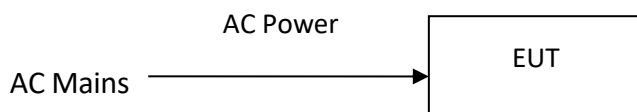
5.1 Test Channel

According to ANSI C63.10-2020 chapter 5.6.1 Table 11 requirement, select lowest channel, middle channel, and highest channel in the frequency range in which device operates for testing. The detailed frequency points are as follows:

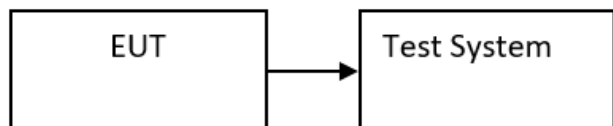
802.11b, 802.11g, 802.11n-HT20					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
1	2412	6	2437	11	2462

5.2 Test Setup

1) Conducted Test & Radiated Test



2) Conducted Measurements Test



5.3 Test Procedure

Test method	Test step
Conducted emission	1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.
Radiated emission	For below 30MHz: 1. The EUT was placed on the table top of a rotating table 0.8 m the ground at a 3 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 3 m. 2. EUT works in each mode of operation that needs to be tested, and having the EUT continuously working, respectively on 3 axis (X, Y & Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. 3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data. For below 1GHz: 4. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 3 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 3 m. 5. EUT works in each mode of operation that needs to be tested, and having the EUT continuously working, respectively on 3 axis (X, Y & Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. 6. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data. For above 1GHz: 1. The EUT was placed on the tabletop of a rotating table 1.5 m the ground at a 3 m fully anechoic room. The measurement distance from the EUT to the receiving antenna is 3 m. 2. EUT works in each mode of operation that needs to be tested, and having the EUT continuously working, respectively on 3 axis (X, Y & Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. 3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data.
Conducted test method	1. The Bluetooth antenna port of EUT was connected to the test port of the test system through an RF cable. 2. The EUT is keeping in continuous transmission mode and tested in all modulation modes. 3. Open the test software, prepare a test plan, and control the system through the software. After the test is completed, the test report is exported through the test software.

5.4 Test Limit

Test items	Limit																														
AC Power Line Conducted Emission	<table><tr><th rowspan="2">Frequency (MHz)</th><th colspan="2">Limit (dBµV)</th></tr><tr><th>Quasi-Peak</th><th>Average</th></tr><tr><td>0.15 – 0.5</td><td>66 to 56 Note 1</td><td>56 to 46 Note 1</td></tr><tr><td>0.5 – 5</td><td>56</td><td>46</td></tr><tr><td>5 – 30</td><td>60</td><td>50</td></tr></table> Note 1: The limit level in dBµV decreases linearly with the logarithm of frequency. Note 2: The more stringent limit applies at transition frequencies.	Frequency (MHz)	Limit (dBµV)		Quasi-Peak	Average	0.15 – 0.5	66 to 56 Note 1	56 to 46 Note 1	0.5 – 5	56	46	5 – 30	60	50																
Frequency (MHz)	Limit (dBµV)																														
	Quasi-Peak	Average																													
0.15 – 0.5	66 to 56 Note 1	56 to 46 Note 1																													
0.5 – 5	56	46																													
5 – 30	60	50																													
Conducted Output Power	For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt.																														
6dB Emission Bandwidth	The minimum 6 dB bandwidth shall be at least 500 kHz.																														
99% Occupied Bandwidth	N/A																														
Power Spectral Density	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.																														
Band-edge Emission Conduction Spurious Emission	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. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).																														
Emissions in Restricted Frequency Bands Emissions in Non-restricted Frequency Bands	<table><tr><th rowspan="2">Frequency (MHz)</th><th colspan="2">Limit (dBµV/m)</th><th rowspan="2">Detector</th></tr><tr><th>@ 3m</th><th>@ 10m</th></tr><tr><td>30 – 88</td><td>40.0</td><td>30.0</td><td>Quasi-peak</td></tr><tr><td>88 – 216</td><td>43.5</td><td>33.5</td><td>Quasi-peak</td></tr><tr><td>216 – 960</td><td>46.0</td><td>36.0</td><td>Quasi-peak</td></tr><tr><td>960 – 1000</td><td>54.0</td><td>44.0</td><td>Quasi-peak</td></tr></table> Note: The more stringent limit applies at transition frequencies. <table><tr><th rowspan="2">Frequency</th><th colspan="2">Limit (dBµV/m) @ 3m</th></tr><tr><th>Average</th><th>Peake</th></tr><tr><td>Above 1 GHz</td><td>54.0</td><td>74.0</td></tr></table> Note: The measurement bandwidth shall be 1 MHz or greater.	Frequency (MHz)	Limit (dBµV/m)		Detector	@ 3m	@ 10m	30 – 88	40.0	30.0	Quasi-peak	88 – 216	43.5	33.5	Quasi-peak	216 – 960	46.0	36.0	Quasi-peak	960 – 1000	54.0	44.0	Quasi-peak	Frequency	Limit (dBµV/m) @ 3m		Average	Peake	Above 1 GHz	54.0	74.0
Frequency (MHz)	Limit (dBµV/m)		Detector																												
	@ 3m	@ 10m																													
30 – 88	40.0	30.0	Quasi-peak																												
88 – 216	43.5	33.5	Quasi-peak																												
216 – 960	46.0	36.0	Quasi-peak																												
960 – 1000	54.0	44.0	Quasi-peak																												
Frequency	Limit (dBµV/m) @ 3m																														
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Above 1 GHz	54.0	74.0																													

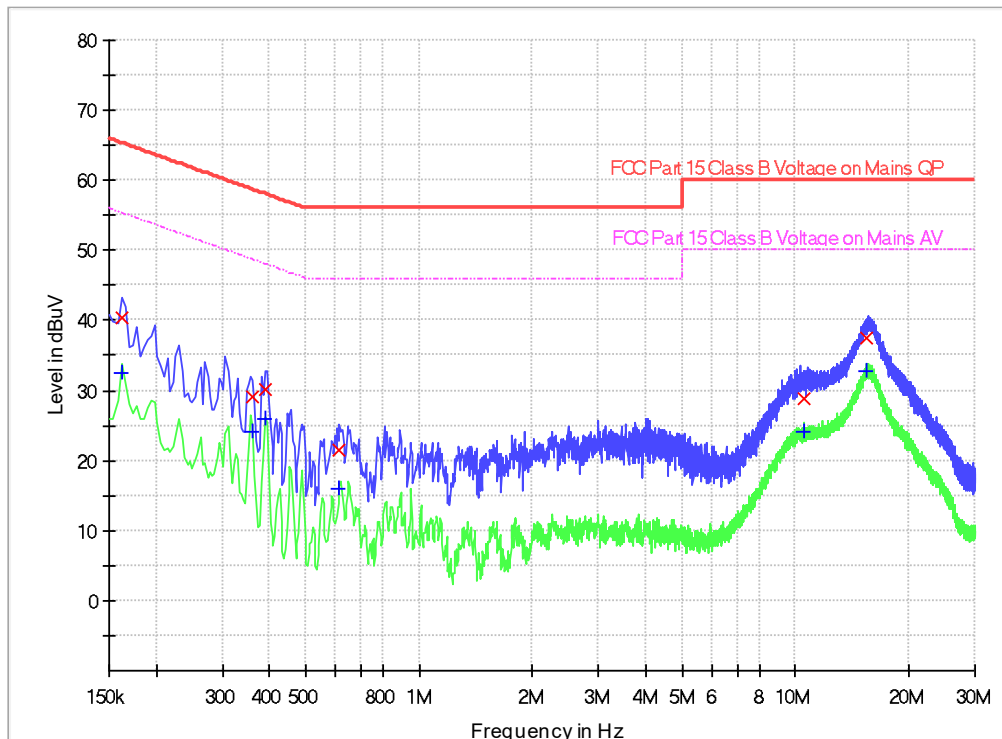
5.5 Antenna Requirement

Standard requirement:
FCC Part 15 C Section 15.203 /247(b)(4)
15.203 requirement: 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, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. 15.247(b) (4) requirement: (4) The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
E.U.T Antenna:
The Wi-Fi antenna is an internal antenna which cannot replace by end-user, the best case gain of the antenna is -2.18 dBi. See product internal photos for details.

6 Test Result

6.1 AC Power Line Conducted Emission

Product name:	Mobile Phone	Product model:	A675L
Test by:	Bruce Zheng	Test mode:	2.4G Wi-Fi mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz		



Limit and Margin QP

Frequency (MHz)	Quasi Peak (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.162000	40.4	9.000	L1	9.6	25.0	65.4
0.362000	29.0	9.000	L1	9.6	29.7	58.7
0.390000	30.1	9.000	L1	9.6	28.0	58.1
0.614000	21.5	9.000	L1	9.6	34.5	56.0
10.586000	28.8	9.000	L1	9.8	31.2	60.0
15.474000	37.4	9.000	L1	9.9	22.6	60.0

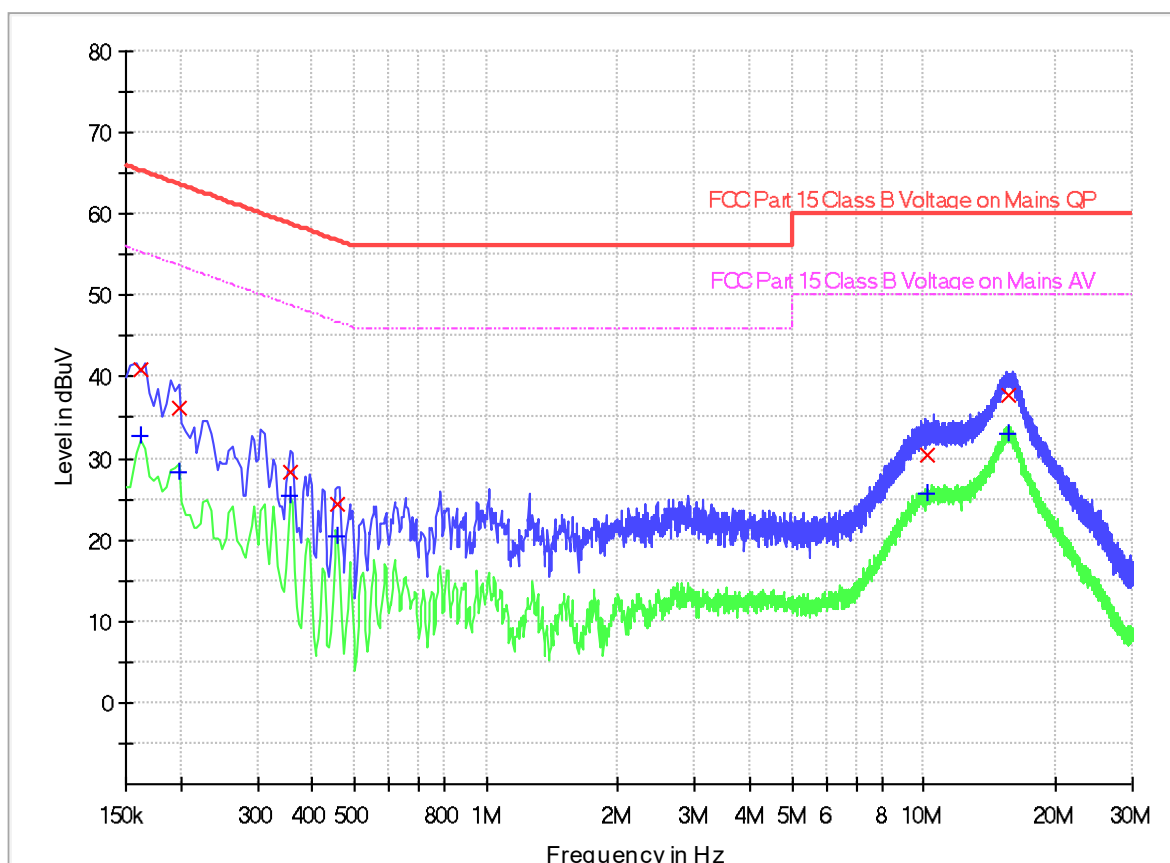
Limit and Margin AV

Frequency (MHz)	Average (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.162000	32.4	9.000	L1	9.6	23.0	55.4
0.362000	24.2	9.000	L1	9.6	24.5	48.7
0.390000	26.0	9.000	L1	9.6	22.1	48.1
0.614000	15.9	9.000	L1	9.6	30.1	46.0
10.586000	24.0	9.000	L1	9.8	26.0	50.0
15.474000	32.8	9.000	L1	9.9	17.2	50.0

Remark:

1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Margin (dB) = Limit (dBμV) – Quasi Peak/Average (dBμV)

Product name:	Mobile Phone	Product model:	A675L
Test by:	Bruce Zheng	Test mode:	2.4G Wi-Fi mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz		



Limit and Margin QP

Frequency (MHz)	Quasi Peak (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.162000	40.9	9.000	N	9.8	24.5	65.4
0.198000	36.1	9.000	N	9.9	27.6	63.7
0.358000	28.4	9.000	N	9.6	30.4	58.8
0.458000	24.3	9.000	N	9.6	32.4	56.7
10.226000	30.5	9.000	N	9.9	29.5	60.0
15.686000	37.7	9.000	N	9.9	22.3	60.0

Limit and Margin AV

Frequency (MHz)	Average (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.162000	32.7	9.000	N	9.8	22.7	55.4
0.198000	28.3	9.000	N	9.9	25.4	53.7
0.358000	25.5	9.000	N	9.6	23.3	48.8
0.458000	20.5	9.000	N	9.6	26.2	46.7
10.226000	25.6	9.000	N	9.9	24.4	50.0
15.686000	33.1	9.000	N	9.9	16.9	50.0

Remark:

- Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)
- Margin (dB) = Limit (dBμV) – Quasi Peak/Average (dBμV)

6.2 Emissions in Restricted Frequency Bands

Product Name:	Mobile Phone	Product Model:	A675L
Test By:	Bruce Zheng	Test mode:	802.11b Tx mode
Test Voltage:	AC 120/60Hz		

Test Channel: Lowest channel

Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2332.62	23.82	36.02	59.84	74.00	14.16	37	PK	PASS	Vertical
2	2332.62	11.58	36.02	47.60	54.00	6.40	110	AV	PASS	Vertical
3	2367.01	11.38	36.12	47.50	54.00	6.50	235	AV	PASS	Vertical
4	2367.01	23.93	36.12	60.05	74.00	13.95	195	PK	PASS	Vertical
5	2390.00	22.62	36.19	58.81	74.00	15.19	48	PK	PASS	Vertical
6	2390.00	11.74	36.19	47.93	54.00	6.07	33	AV	PASS	Vertical

Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2338.78	23.98	36.04	60.02	74.00	13.98	234	PK	PASS	Horizontal
2	2338.78	11.66	36.04	47.70	54.00	6.30	297	AV	PASS	Horizontal
3	2374.18	24.19	36.14	60.33	74.00	13.67	326	PK	PASS	Horizontal
4	2374.18	11.29	36.14	47.43	54.00	6.57	358	AV	PASS	Horizontal
5	2390.00	22.12	36.19	58.31	74.00	15.69	293	PK	PASS	Horizontal
6	2390.00	11.41	36.19	47.60	54.00	6.40	172	AV	PASS	Horizontal

Test Channel: Highest channel

Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.50	23.23	36.24	59.47	74.00	14.53	2	PK	PASS	Vertical
2	2483.50	11.38	36.24	47.62	54.00	6.38	84	AV	PASS	Vertical
3	2490.16	23.98	36.30	60.28	74.00	13.72	69	PK	PASS	Vertical
4	2490.16	11.32	36.30	47.62	54.00	6.38	322	AV	PASS	Vertical
5	2497.26	23.62	36.36	59.98	74.00	14.02	256	PK	PASS	Vertical
6	2497.26	11.18	36.36	47.54	54.00	6.46	223	AV	PASS	Vertical

Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.39	11.58	36.24	47.82	54.00	6.18	152	AV	PASS	Horizontal
2	2483.50	21.97	36.24	58.21	74.00	15.79	261	PK	PASS	Horizontal
3	2490.02	11.19	36.30	47.49	54.00	6.51	337	AV	PASS	Horizontal
4	2490.02	24.38	36.30	60.68	74.00	13.32	304	PK	PASS	Horizontal
5	2495.58	23.43	36.34	59.77	74.00	14.23	286	PK	PASS	Horizontal
6	2495.58	11.36	36.34	47.70	54.00	6.30	355	AV	PASS	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Product Name:	Mobile Phone	Product Model:	A675L
Test By:	Bruce Zheng	Test mode:	802.11g Tx mode
Test Voltage:	AC 120/60Hz		

Test Channel: Lowest channel

Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2336.10	24.26	36.03	60.29	74.00	13.71	48	PK	PASS	Vertical
2	2336.10	11.64	36.03	47.67	54.00	6.33	181	AV	PASS	Vertical
3	2367.34	24.10	36.12	60.22	74.00	13.78	360	PK	PASS	Vertical
4	2367.34	11.40	36.12	47.52	54.00	6.48	81	AV	PASS	Vertical
5	2390.00	31.28	36.19	67.47	74.00	6.53	52	PK	PASS	Vertical
6	2390.00	13.07	36.19	49.26	54.00	4.74	74	AV	PASS	Vertical

Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2334.64	23.80	36.02	59.82	74.00	14.18	197	PK	PASS	Horizontal
2	2334.64	11.44	36.02	47.46	54.00	6.54	126	AV	PASS	Horizontal
3	2367.01	11.31	36.12	47.43	54.00	6.57	12	AV	PASS	Horizontal
4	2367.01	23.52	36.12	59.64	74.00	14.36	108	PK	PASS	Horizontal
5	2390.00	29.99	36.19	66.18	74.00	7.82	141	PK	PASS	Horizontal
6	2390.00	12.34	36.19	48.53	54.00	5.47	145	AV	PASS	Horizontal

Test Channel: Highest channel

Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.50	22.84	36.24	59.08	74.00	14.92	190	PK	PASS	Vertical
2	2483.50	11.64	36.24	47.88	54.00	6.12	77	AV	PASS	Vertical
3	2490.98	23.87	36.30	60.17	74.00	13.83	308	PK	PASS	Vertical
4	2490.98	11.25	36.30	47.55	54.00	6.45	66	AV	PASS	Vertical
5	2495.87	23.56	36.34	59.90	74.00	14.10	161	PK	PASS	Vertical
6	2495.87	11.18	36.34	47.52	54.00	6.48	117	AV	PASS	Vertical

Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	22.33	36.24	58.57	74.00	15.43	155	PK	PASS	22.33	Horizontal
2	11.54	36.24	47.78	54.00	6.22	159	AV	PASS	11.54	Horizontal
3	23.74	36.30	60.04	74.00	13.96	152	PK	PASS	23.74	Horizontal
4	11.27	36.30	47.57	54.00	6.43	323	AV	PASS	11.27	Horizontal
5	23.72	36.34	60.06	74.00	13.94	290	PK	PASS	23.72	Horizontal
6	11.17	36.34	47.51	54.00	6.49	74	AV	PASS	11.17	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Product Name:	Mobile Phone	Product Model:	A675L
Test By:	Bruce Zheng	Test mode:	802.11n-HT20 Tx mode
Test Voltage:	AC 120/60Hz		

Test Channel: Lowest channel

Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2344.50	24.35	36.05	60.40	74.00	13.60	217	PK	PASS	Vertical
2	2344.50	11.59	36.05	47.64	54.00	6.36	23	AV	PASS	Vertical
3	2371.82	23.98	36.14	60.12	74.00	13.88	2	PK	PASS	Vertical
4	2371.82	11.36	36.14	47.50	54.00	6.50	27	AV	PASS	Vertical
5	2390.00	24.74	36.19	60.93	74.00	13.07	56	PK	PASS	Vertical
6	2390.00	11.71	36.19	47.90	54.00	6.10	75	AV	PASS	Vertical

Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2328.03	24.55	36.01	60.56	74.00	13.44	213	PK	PASS	Horizontal
2	2328.03	11.83	36.01	47.84	54.00	6.16	58	AV	PASS	Horizontal
3	2358.38	23.79	36.10	59.89	74.00	14.11	231	PK	PASS	Horizontal
4	2358.38	11.41	36.10	47.51	54.00	6.49	345	AV	PASS	Horizontal
5	2390.00	22.94	36.19	59.13	74.00	14.87	184	PK	PASS	Horizontal
6	2390.00	11.39	36.19	47.58	54.00	6.42	166	AV	PASS	Horizontal

Test Channel: Highest channel

Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.50	22.93	36.24	59.17	74.00	14.83	358	PK	PASS	Vertical
2	2483.54	11.50	36.24	47.74	54.00	6.26	77	AV	PASS	Vertical
3	2489.06	11.29	36.29	47.58	54.00	6.42	279	AV	PASS	Vertical
4	2489.06	24.03	36.29	60.32	74.00	13.68	213	PK	PASS	Vertical
5	2495.39	23.79	36.34	60.13	74.00	13.87	352	PK	PASS	Vertical
6	2495.39	11.19	36.34	47.53	54.00	6.47	206	AV	PASS	Vertical

Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.50	22.66	36.24	58.90	74.00	15.10	15	PK	PASS	Horizontal
2	2483.50	11.65	36.24	47.89	54.00	6.11	158	AV	PASS	Horizontal
3	2489.25	23.84	36.29	60.13	74.00	13.87	187	PK	PASS	Horizontal
4	2489.25	11.35	36.29	47.64	54.00	6.36	77	AV	PASS	Horizontal
5	2493.42	23.60	36.32	59.92	74.00	14.08	358	PK	PASS	Horizontal
6	2493.42	11.29	36.32	47.61	54.00	6.39	172	AV	PASS	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

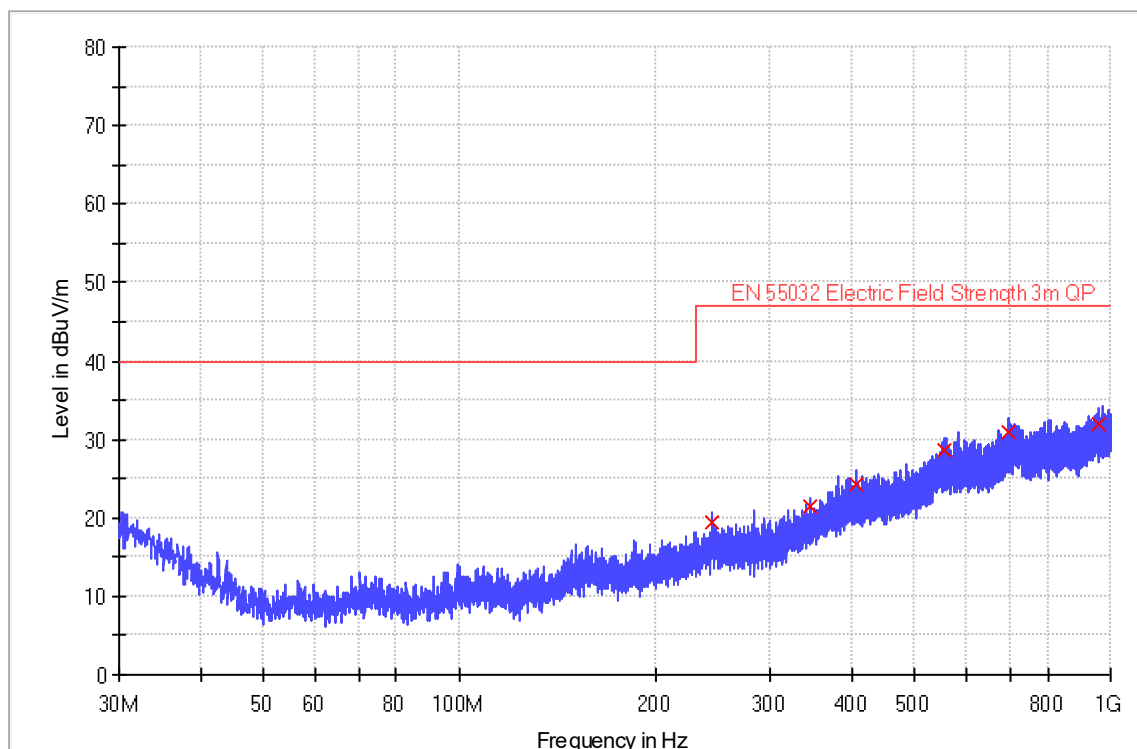
6.3 Emissions in Non-restricted Frequency Bands

Below 30MHz:

Test Frequency from 9kHz to 30MHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.

Below 1GHz:

Product Name:	Mobile Phone	Product Model:	A675L
Test By:	Bruce Zheng	Test mode:	2.4G Wi-Fi mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz		



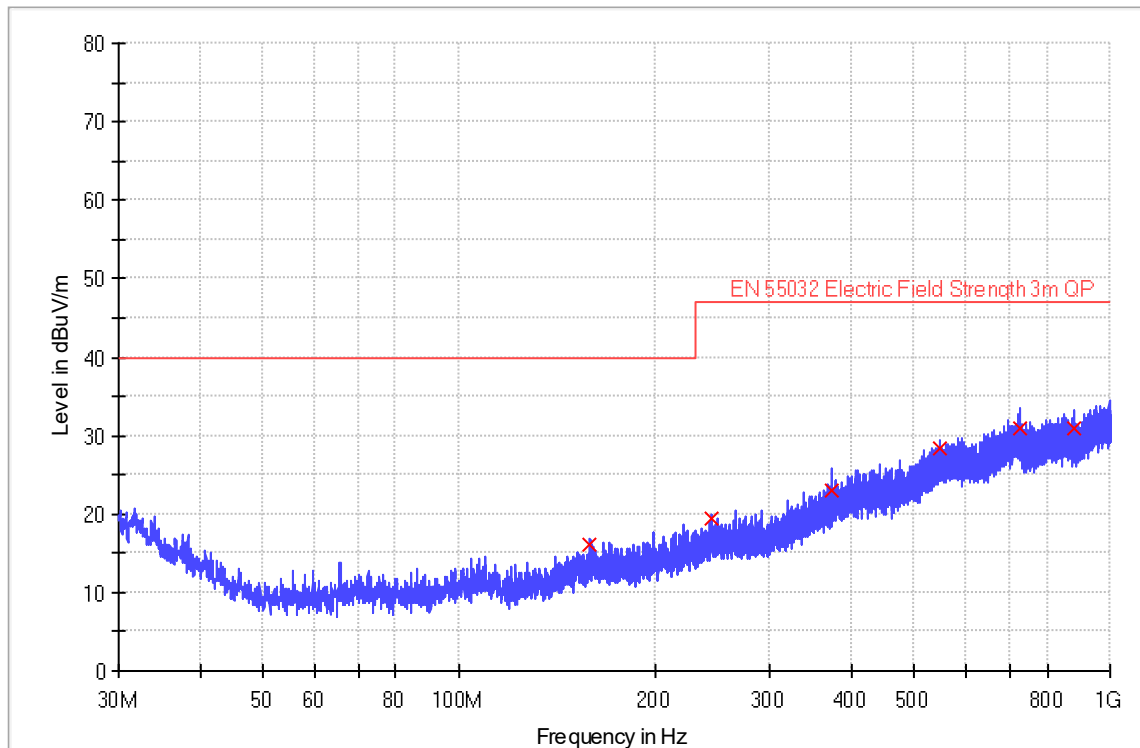
Limit and Margin

Frequency (MHz)	QuasiPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBuV/m)
243.464667	19.3	1000.0	120.000	H	19.4	27.7	47.0
345.444000	21.4	1000.0	120.000	H	22.7	25.6	47.0
405.875000	24.2	1000.0	120.000	H	25.4	22.8	47.0
554.026333	28.6	1000.0	120.000	H	29.1	18.4	47.0
696.681000	30.8	1000.0	120.000	H	31.0	16.2	47.0
955.703333	32.1	1000.0	120.000	H	33.7	14.9	47.0

Remark:

1. Corr. (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)
2. Quasi Peak (dBμV/m) = Corr. (dB/m) + Read Level (dBμV)
3. Margin (dB) = Limit QPK (dBμV/m) – Quasi Peak (dBμV/m)

Product Name:	Mobile Phone	Product Model:	A675L
Test By:	Bruce Zheng	Test mode:	2.4G Wi-Fi mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	AC 120/60Hz		



Limit and Margin

Frequency (MHz)	QuasiPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBuV/m)
159.074667	16.2	1000.0	120.000	V	17.2	23.8	40.0
244.240667	19.5	1000.0	120.000	V	19.4	27.5	47.0
373.347667	22.9	1000.0	120.000	V	24.1	24.1	47.0
548.820667	28.4	1000.0	120.000	V	29.0	18.6	47.0
728.723333	31.0	1000.0	120.000	V	31.0	16.0	47.0
881.563000	30.9	1000.0	120.000	V	31.7	16.1	47.0

Remark:

1. Corr. (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)
2. Quasi Peak (dBμV/m) = Corr. (dB/m) + Read Level (dBμV)
3. Margin (dB) = Limit QPK (dBμV/m) – Quasi Peak (dBμV/m)

Above 1GHz:

802.11b						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4824.00	58.69	-7.92	50.77	74.00	23.23	Vertical
4824.00	55.52	-7.92	47.60	74.00	26.40	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4824.00	52.62	-7.92	44.70	54.00	9.30	Vertical
4824.00	48.42	-7.92	40.50	54.00	13.50	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4874.00	58.70	-7.55	51.15	74.00	22.85	Vertical
4874.00	55.27	-7.55	47.72	74.00	26.28	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4874.00	52.34	-7.55	44.79	54.00	9.21	Vertical
4874.00	48.56	-7.55	41.01	54.00	12.99	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4924.00	58.22	-7.21	51.01	74.00	22.99	Vertical
4924.00	55.28	-7.21	48.07	74.00	25.93	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4924.00	52.63	-7.21	45.42	54.00	8.58	Vertical
4924.00	49.04	-7.21	41.83	54.00	12.17	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 25GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

802.11g						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4824.00	59.10	-7.82	51.28	74.00	22.72	Vertical
4824.00	55.92	-7.82	48.10	74.00	25.90	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4824.00	52.79	-7.82	44.97	54.00	9.03	Vertical
4824.00	48.32	-7.82	40.50	54.00	13.50	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4874.00	58.83	-7.50	51.33	74.00	22.67	Vertical
4874.00	55.17	-7.50	47.67	74.00	26.33	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4874.00	52.42	-7.50	44.92	54.00	9.08	Vertical
4874.00	48.64	-7.50	41.14	54.00	12.86	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4924.00	58.14	-7.21	50.93	74.00	23.07	Vertical
4924.00	55.67	-7.21	48.46	74.00	25.54	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4924.00	52.15	-7.21	44.94	54.00	9.06	Vertical
4924.00	49.48	-7.21	42.27	54.00	11.73	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 25GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

802.11n-HT20						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4824.00	59.33	-7.82	51.51	74.00	22.49	Vertical
4824.00	55.65	-7.82	47.83	74.00	26.17	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4824.00	52.30	-7.82	44.48	54.00	9.52	Vertical
4824.00	48.78	-7.82	40.96	54.00	13.04	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4874.00	59.10	-7.50	51.60	74.00	22.40	Vertical
4874.00	54.79	-7.50	47.29	74.00	26.71	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4874.00	52.32	-7.50	44.82	54.00	9.18	Vertical
4874.00	48.98	-7.50	41.48	54.00	12.52	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4924.00	58.14	-7.21	50.93	74.00	23.07	Vertical
4924.00	55.73	-7.21	48.52	74.00	25.48	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4924.00	52.51	-7.21	45.30	54.00	8.70	Vertical
4924.00	49.32	-7.21	42.11	54.00	11.89	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 25GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

*****End of Report*****