

ITEL MOBILE LIMITED

TEST REPORT

SCOPE OF WORK

FCC TESTING – A675L

REPORT NUMBER

251205047SZN-004

ISSUE DATE

Dec. 22, 2025

[REVISED DATE]

[-----]

PAGES

56

DOCUMENT CONTROL NUMBER

FCC ID 247_b

© 2017 INTERTEK



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 15E (§15.407)

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

- The test results reported in this test report shall refer only to the sample actually tested and shall not refer or be deemed to refer to bulk from which such a sample may be said to have been obtained.
- This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to copy or distribute this report. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results referenced from this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.
- For Terms And Conditions of the services, it can be provided upon request.
- The evaluation data of the report will be kept for 3 years from the date of issuance.

Intertek Testing Service Shenzhen Ltd. Longhua Branch

101, 201, Building B, No. 308 Wuhe Avenue, Zhangkengjing Community, GuanHu Subdistrict, LongHua District, Shenzhen.
Tel: (86 755) 8601 6288 Fax: (86 755) 8601 6751

1 Version

Report No.	Version No.	Description	Issued Date
251205047SZN-004	01	Original	Dec. 22, 2025

2 Summary of Test Result

Test items	Standard clause	Test Method	Test data	Result
Antenna Requirement	15.203	/	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, Clause 12.2	ANSI C63.10 clause 12.2	Appendix - 5G Wi-Fi	Pass
Conducted Output Power Power Spectral Density	15.407 (a)	ANSI C63.10 clause 12.3.3.1, ANSI C63.10 clause 12.5	Appendix - 5G Wi-Fi	Pass
26dB Emission Bandwidth 99% Occupied Bandwidth	15.407 (a)	ANSI C63.10 clause 12.4.1, ANSI C63.10 clause 6.9.3	Appendix - 5G Wi-Fi	Pass
6dB Emission Bandwidth	15.407 (e)	ANSI C63.10 clause 12.4.1	Appendix - 5G Wi-Fi	Pass
Unwanted Emissions	15.205 15.209 15.407 (b)	ANSI C63.10 clause 6.3, 6.5, 6.6 and 6.10.5	See Section 5.4	Pass
Frequency Stability	15.407 (g)	ANSI C63.10-2020, Clause 6.8	Appendix - 5G Wi-Fi	Pass
Dynamic frequency selection	15.407 (h)(2)	KDB 905462 D02	See Section 7.5	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 1.0dB (provided by the customer).				
Test Method: ANSI C63.10-2020 KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02				

3 Contents

1	Version.....	2
2	Summary of Test Result	3
3	Contents	4
4	General Information	5
4.1	Client Information	5
4.2	General Description of E.U.T.....	5
4.3	Disclaimer.....	5
4.4	Test Mode and Test Environment.....	6
4.5	Description of Test Auxiliary Equipment.....	6
4.6	Measurement Uncertainty.....	6
4.7	Additions to, Deviations, or Exclusions From the Method.....	6
4.8	Laboratory Facility.....	7
4.9	Laboratory Location	7
4.10	Test Instruments List	7
5	Measurement Setup and Procedure.....	8
5.1	Test Channel.....	8
5.2	Test Setup	9
5.3	Test Procedure	10
5.4	Test Limit.....	11
5.5	Antenna Requirement.....	13
6	Test Result	14
6.1	AC Power Line Conducted Emission.....	14
6.2	Unwanted Emissions.....	16
7	Dynamic Frequency Selection	45
7.1	DFS Parameters.....	45
7.2	DFS Technical Requirements.....	47
7.3	DFS Threshold Level	47
7.4	Test Setup Block.....	47
7.5	Test Result.....	49

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:	Unlicensed National Information Infrastructure TX(NII)
Product Name:	Mobile Phone
Model No.:	A675L
Operation Frequency:	U-NII-1: 5150 MHz - 5250 MHz
	U-NII-2A: 5250 MHz - 5350 MHz
	U-NII-2C: 5470 MHz - 5725 MHz
	U-NII-3: 5725 MHz - 5850 MHz
Channel Numbers:	U-NII-1, 2A: 4, U-NII-2C: 11, U-NII-3: 5 (802.11a, n-HT20)
	U-NII-1, 2A, 3: 2, U-NII-2C: 5 (802.11n-HT40)
	U-NII-1, 2A, 3 :1, U-NII-2C: 2(802.11ac-VHT80)
Modulation Technology: (IEEE 802.11a/802.11n)	OFDM-BPSK, QPSK, 16QAM, 64QAM
Modulation Technology: (IEEE 802.11ac)	OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM
Antenna Type:	Internal Antenna
Antenna Gain:	2.74 dBi (This information is provided by applicant, and the applicant is responsible for the authenticity of the provided information.)
DFS Operation Type:	☐ Master Device ☐ Slaver Device with Radar detection function ☒ Slaver Device without Radar detection function
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
802.11a	6.0 Mbps
802.11n-HT20	6.5 Mbps
802.11n-HT40	13.5 Mbps
802.11ac-VHT20	6.5 Mbps
802.11ac-VHT40	13.5 Mbps
802.11ac-VHT80	29.3 Mbps
Remark: - For AC power line conducted emission and radiated spurious emission (below 1GHz), pre-scan 802.11a, n, ac modulation mode, found 5.2GHz Wi-Fi ANT0 802.11a modulation and Lowes 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 802.11a mode transmission power level is 17, the 802.11n/ac20 mode prototype transmission power level is 14, the 802.11n/ac40 mode prototype transmission power level is 14 and the 802.11ac80 mode prototype transmission power level is 13.	
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
Frequency Stability	+/-0.64kHz
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	±3.2 dB
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
SZ070-20	Combiner	Mini-Circuits	ZN2PD-63-S+	---	2025-04-21	2026-04-21
SZ070-21	Combiner	Mini-Circuits	ZN2PD-63-S+	---	2025-04-21	2026-04-21
SZ056-06	Signal Analyzer	R&S	FSV 40	101101	2025-12-01	2026-12-01
SZ180-13	MXG Vector Signal Generator	Keysight	N5182B	MY53051328	2025-09-15	2026-09-15
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
SZ016-12	Programmable Temperature & Humidity Chamber	Taili	MHK-120NK	AB0105	2024-12-04	2025-12-04

5 Measurement Setup and Procedure

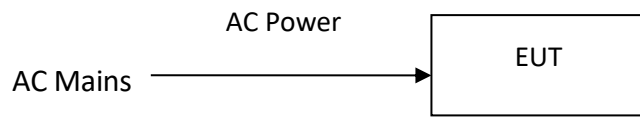
5.1 Test Channel

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:

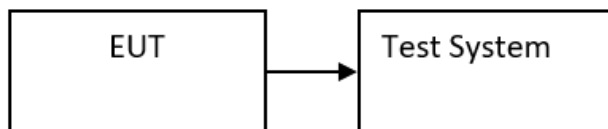
Operation frequency: 5150 MHz – 5250 MHz						
Modulation mode	Lowest channel		Middle channel		Highest channel	
	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
802.11a, n-HT20, ac-VHT20	36	5180	40	5200	48	5240
802.11n-HT40, ac-VHT40	38	5190	/	/	46	5230
802.11ac-VHT80	/	/	42	5210	/	/
Operation frequency: 5250 MHz – 5350 MHz						
Modulation mode	Lowest channel		Middle channel		Highest channel	
	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
802.11a, n-HT20, ac-VHT20	52	5260	56	5280	64	5320
802.11n-HT40, ac-VHT40	54	5270	/	/	62	5310
802.11ac-VHT80	/	/	58	5290	/	/
Operation frequency: 5470 MHz – 5725 MHz						
Modulation mode	Lowest channel		Middle channel		Highest channel	
	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
802.11a, n-HT20, ac-VHT20	100	5500	112	5560	140	5700
802.11n-HT40, ac-VHT40	102	5510	118	5590	134	5670
802.11ac-VHT80	106	5530	/	/	122	5610
Operation frequency: 5725 MHz – 5850 MHz						
Modulation mode	Lowest channel		Middle channel		Highest channel	
	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
802.11a, n-HT20, ac-VHT20	149	5745	157	5785	165	5825
802.11n-HT40, ac-VHT40	151	5755	/	/	159	5795
802.11ac-VHT80	/	/	155	5775	/	/

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 Peak Output Power Power Spectral Density	For the 5.15-5.25 GHz band: For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands: The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. For the band 5.725-5.895 GHz: For the band 5.725-5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, Fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.														
26dB Emission Bandwidth 99% Occupied Bandwidth	N/A														
6dB Emission Bandwidth	Within the 5.725-5.850 GHz and 5.850-5.895 GHz bands, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.														

Unwanted Emissions	(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz. (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz. (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p.of -27 dBm/MHz. (4) For transmitters operating solely in the 5.725-5.850 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge. (5) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209. The provisions of § 15.205 apply to intentional radiators operating under this section: <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																														
	Average	Peake																													
Above 1 GHz	54.0	74.0																													
Frequency Stability	Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.																														

5.5 Antenna Requirement

Standard requirement:

FCC Part 15 C Section 15.203

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.

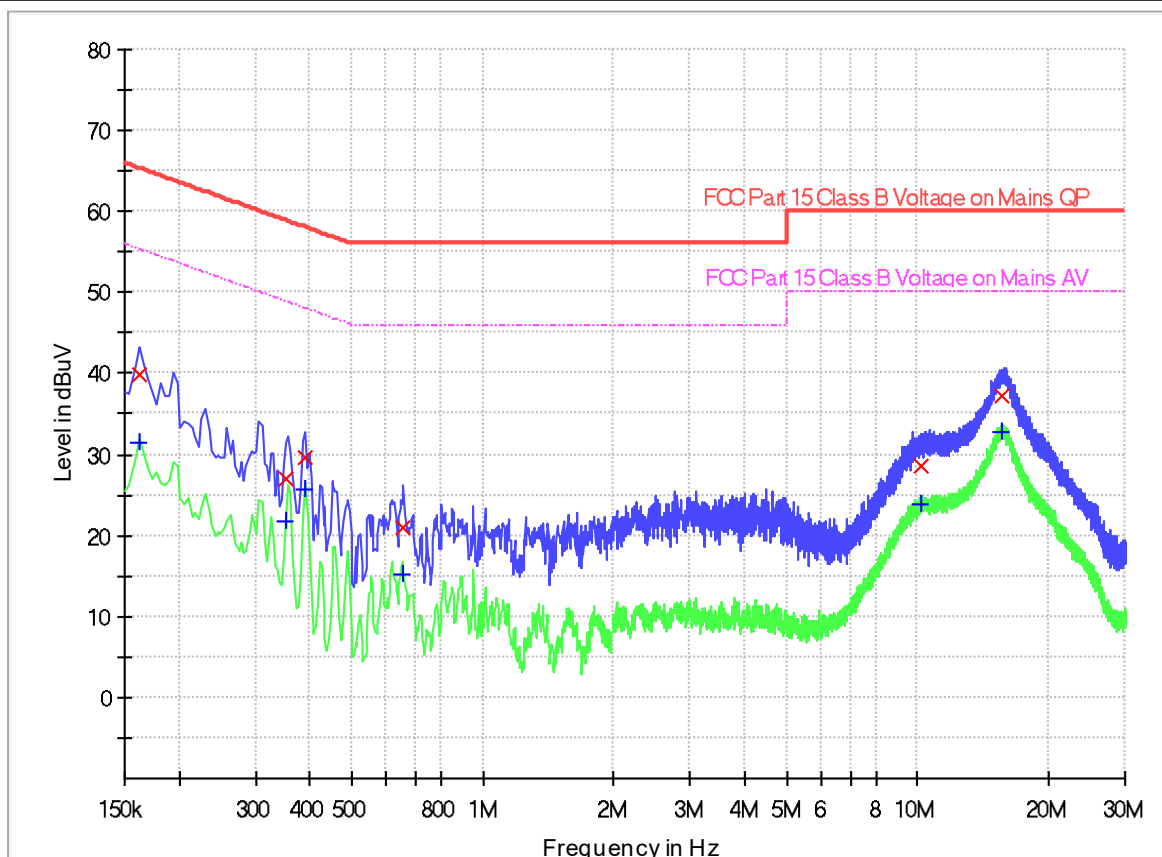
E.U.T Antenna:

The Wi-Fi antenna is an internal antenna which cannot replace by end-user, the best case gain of the antenna is 2.74 dBi. See product internal photos for details.

6 Test Result

6.1 AC Power Line Conducted Emission

Product name:	LTE Smart phone	Product model:	A675L
Test by:	Bruce Zheng	Test mode:	5G 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 (dBuV)
0.162000	39.8	9.000	L1	9.6	25.6	65.4
0.354000	27.0	9.000	L1	9.6	31.9	58.9
0.390000	29.7	9.000	L1	9.6	28.4	58.1
0.658000	20.9	9.000	L1	9.5	35.1	56.0
10.218000	28.7	9.000	L1	9.8	31.3	60.0
15.578000	37.3	9.000	L1	9.9	22.7	60.0

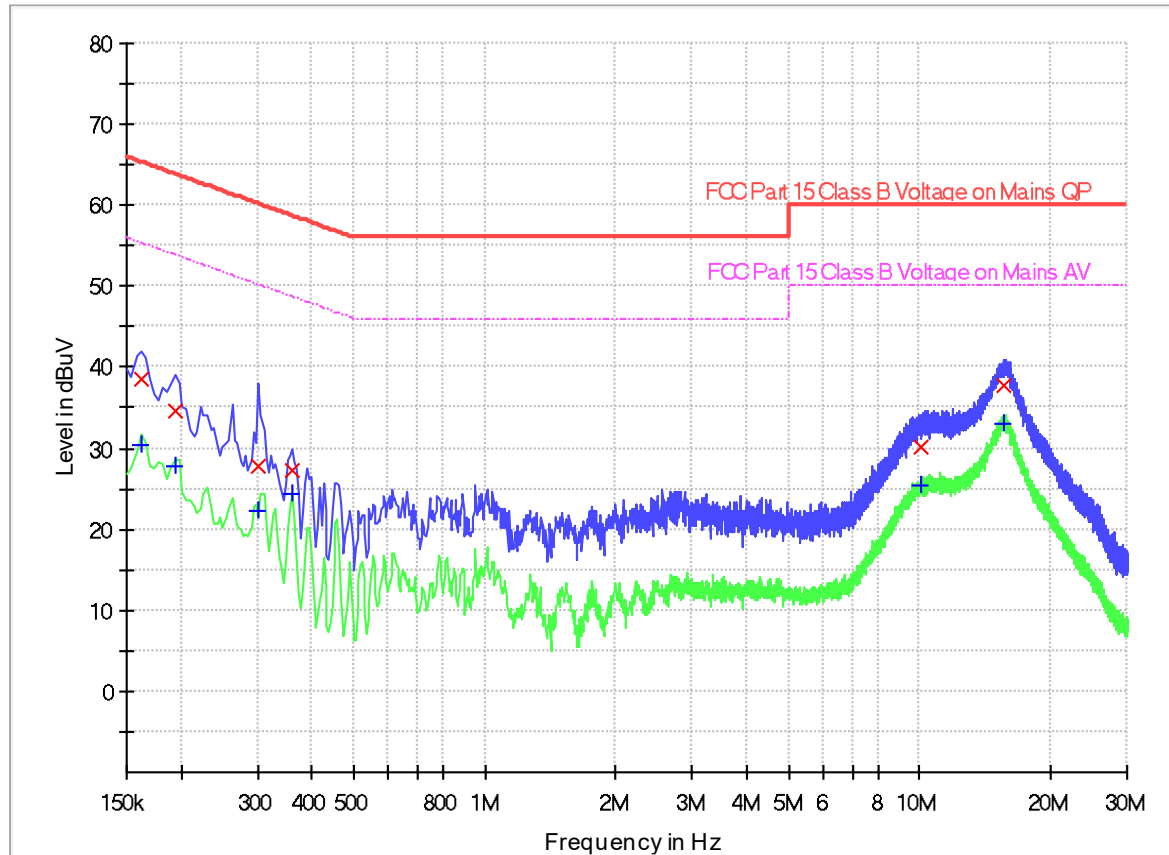
Limit and Margin AV

Frequency (MHz)	Average (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.162000	31.5	9.000	L1	9.6	23.9	55.4
0.354000	21.7	9.000	L1	9.6	27.2	48.9
0.390000	25.7	9.000	L1	9.6	22.4	48.1
0.658000	15.2	9.000	L1	9.5	30.8	46.0
10.218000	23.8	9.000	L1	9.8	26.2	50.0
15.578000	32.8	9.000	L1	9.9	17.2	50.0

Remark:

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

Product name:	LTE Smart phone	Product model:	A675L
Test by:	Bruce Zheng	Test mode:	5G 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 (dBμV)
0.162000	38.6	9.000	N	9.8	26.8	65.4
0.194000	34.7	9.000	N	9.9	29.2	63.9
0.302000	27.8	9.000	N	9.6	32.4	60.2
0.362000	27.2	9.000	N	9.6	31.5	58.7
10.078000	30.3	9.000	N	9.9	29.7	60.0
15.598000	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	30.5	9.000	N	9.8	24.9	55.4
0.194000	27.7	9.000	N	9.9	26.2	53.9
0.302000	22.3	9.000	N	9.6	27.9	50.2
0.362000	24.3	9.000	N	9.6	24.4	48.7
10.078000	25.5	9.000	N	9.9	24.5	50.0
15.598000	33.2	9.000	N	9.9	16.8	50.0

Remark:

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

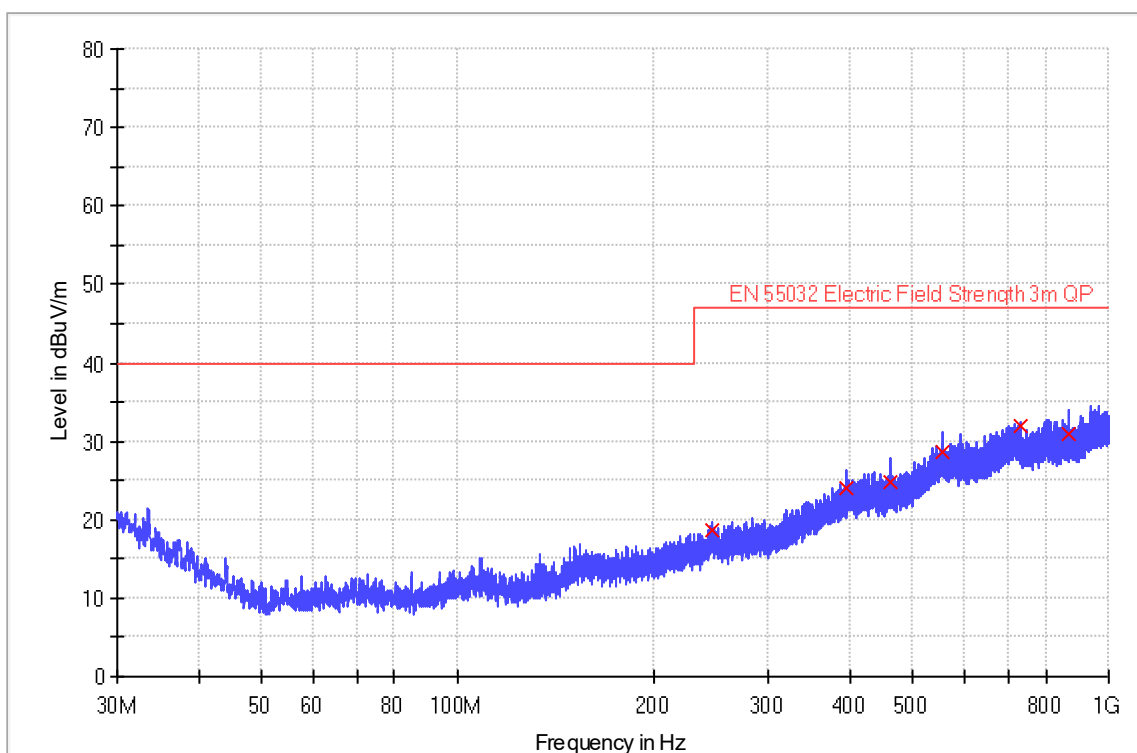
6.2 Unwanted Emissions

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:	LTE Smart phone	Product Model:	A675L
Test By:	Bruce Zheng	Test mode:	5G Wi-Fi mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz		



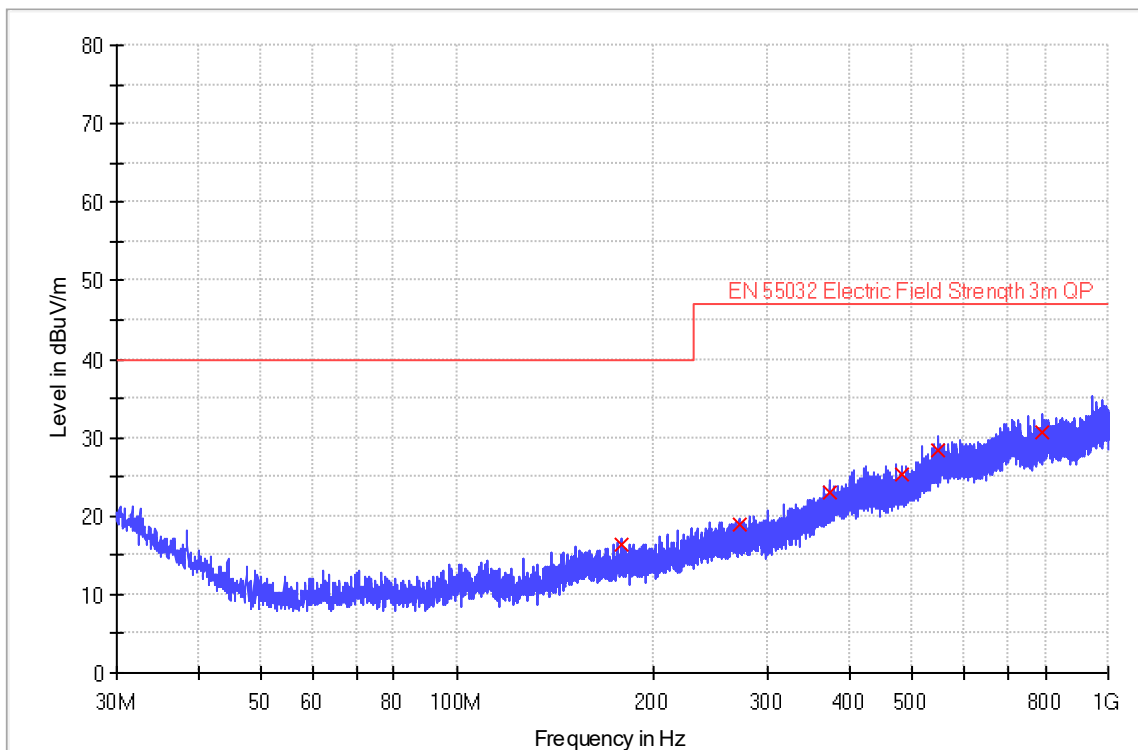
Limit and Margin

Frequency (MHz)	QuasiPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBuV/m)
246.471667	18.7	1000.0	120.000	H	19.5	28.3	47.0
395.593000	24.1	1000.0	120.000	H	25.2	22.9	47.0
463.072667	24.8	1000.0	120.000	H	25.7	22.2	47.0
554.058667	28.6	1000.0	120.000	H	29.1	18.4	47.0
729.822667	32.1	1000.0	120.000	H	31.0	14.9	47.0
867.950667	30.8	1000.0	120.000	H	31.8	16.2	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:	LTE Smart phone	Product Model:	A675L
Test By:	Bruce Zheng	Test mode:	5G 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)
178.636333	16.4	1000.0	120.000	V	16.9	23.6	40.0
270.657000	19.0	1000.0	120.000	V	19.9	28.0	47.0
372.798000	22.9	1000.0	120.000	V	24.1	24.1	47.0
481.793667	25.2	1000.0	120.000	V	26.0	21.8	47.0
548.303333	28.4	1000.0	120.000	V	29.0	18.6	47.0
793.422333	30.8	1000.0	120.000	V	32.0	16.2	47.0

Remark:

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

Above 1GHz

Band 1: 5150 MHz - 5250 MHz, 802.11a						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	39.83	20.12	59.95	74.00	14.05	Vertical
10360.00	49.47	1.40	50.87	68.20	17.33	Vertical
5150.00	45.62	20.12	65.74	74.00	8.26	Horizontal
10360.00	48.43	1.40	49.83	68.20	18.37	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	26.87	20.12	46.99	54.00	7.01	Vertical
5150.00	31.10	20.12	51.22	54.00	2.78	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
10400.00	49.32	2.45	51.77	68.20	16.43	Vertical
10400.00	48.69	2.45	51.14	68.20	17.06	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	35.72	19.93	55.65	74.00	18.35	Vertical
10480.00	49.65	2.74	52.39	68.20	15.81	Vertical
5350.00	35.42	19.93	55.35	74.00	18.65	Horizontal
10480.00	48.19	2.74	50.93	68.20	17.27	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	24.02	19.93	43.95	54.00	10.05	Vertical
5350.00	24.23	19.93	44.16	54.00	9.84	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 1: 5150 MHz - 5250 MHz, 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
5150.00	40.44	20.12	60.56	74.00	13.44	Vertical
10360.00	49.75	1.40	51.15	68.20	17.05	Vertical
5150.00	44.61	20.12	64.73	74.00	9.27	Horizontal
10360.00	48.62	1.40	50.02	68.20	18.18	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	25.16	20.12	45.28	54.00	8.72	Vertical
5150.00	27.23	20.12	47.35	54.00	6.65	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
10400.00	49.52	2.45	51.97	68.20	16.23	Vertical
10400.00	48.63	2.45	51.08	68.20	17.12	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	35.79	19.93	55.72	74.00	18.28	Vertical
10480.00	49.39	2.74	52.13	68.20	16.07	Vertical
5350.00	36.13	19.93	56.06	74.00	17.94	Horizontal
10480.00	48.26	2.74	51.00	68.20	17.20	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	24.16	19.93	44.09	54.00	9.91	Vertical
5350.00	24.29	19.93	44.22	54.00	9.78	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 1: 5150 MHz - 5250 MHz, 802.11n-HT40						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	44.61	20.12	64.73	74.00	9.27	Vertical
10380.00	49.95	1.96	51.91	68.20	16.29	Vertical
5150.00	49.67	20.12	69.79	74.00	4.21	Horizontal
10380.00	48.43	1.96	50.39	68.20	17.81	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	25.98	20.12	46.10	54.00	7.90	Vertical
5150.00	28.92	20.12	49.04	54.00	4.96	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	35.18	19.93	55.11	74.00	18.89	Vertical
10460.00	49.67	1.64	51.31	68.20	16.89	Vertical
5350.00	34.95	19.93	54.88	74.00	19.12	Horizontal
10460.00	48.54	1.64	50.18	68.20	18.02	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	24.27	19.93	44.20	54.00	9.80	Vertical
5350.00	24.15	19.93	44.08	54.00	9.92	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 1: 5150 MHz - 5250 MHz, 802.11ac-VHT20						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	39.12	20.12	59.24	74.00	14.76	Vertical
10360.00	49.20	1.40	50.60	68.20	17.60	Vertical
5150.00	44.49	20.12	64.61	74.00	9.39	Horizontal
10360.00	48.07	1.40	49.47	68.20	18.73	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	25.14	20.12	45.26	54.00	8.74	Vertical
5150.00	27.07	20.12	47.19	54.00	6.81	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
10400.00	49.84	2.45	52.29	68.20	15.91	Vertical
10400.00	48.66	2.45	51.11	68.20	17.09	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	35.22	19.93	55.15	74.00	18.85	Vertical
10480.00	48.85	2.74	51.59	68.20	16.61	Vertical
5350.00	35.92	19.93	55.85	74.00	18.15	Horizontal
10480.00	48.14	2.74	50.88	68.20	17.32	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	24.36	19.93	44.29	54.00	9.71	Vertical
5350.00	24.09	19.93	44.02	54.00	9.98	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 1: 5150 MHz - 5250 MHz, 802.11ac-VHT40						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	42.33	20.12	62.45	74.00	11.55	Vertical
10380.00	50.31	1.96	52.27	68.20	15.93	Vertical
5150.00	47.01	20.12	67.13	74.00	6.87	Horizontal
10380.00	48.61	1.96	50.57	68.20	17.63	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	26.12	20.12	46.24	54.00	7.76	Vertical
5150.00	29.03	20.12	49.15	54.00	4.85	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	35.61	19.93	55.54	74.00	18.46	Vertical
10460.00	49.95	1.64	51.59	68.20	16.61	Vertical
5350.00	35.76	19.93	55.69	74.00	18.31	Horizontal
10460.00	48.94	1.64	50.58	68.20	17.62	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	24.11	19.93	44.04	54.00	9.96	Vertical
5350.00	24.21	19.93	44.14	54.00	9.86	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 1: 5150 MHz - 5250 MHz, 802.11ac-VHT80						
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	37.21	20.12	57.33	74.00	16.67	Vertical
5350.00	35.45	19.93	55.38	74.00	18.62	Vertical
10420.00	50.24	1.92	52.16	68.20	16.04	Vertical
5150.00	41.37	20.12	61.49	74.00	12.51	Horizontal
5350.00	35.53	19.93	55.46	74.00	18.54	Horizontal
10420.00	48.21	1.92	50.13	68.20	18.07	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	25.17	20.12	45.29	54.00	8.71	Vertical
5350.00	24.20	19.93	44.13	54.00	9.87	Vertical
5150.00	27.04	20.12	47.16	54.00	6.84	Horizontal
5350.00	24.41	19.93	44.34	54.00	9.66	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 2: 5250 MHz - 5350 MHz, 802.11a						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	35.49	20.12	55.61	74.00	18.39	Vertical
10520.00	47.62	2.93	50.55	68.20	17.65	Vertical
5150.00	35.37	20.12	55.49	74.00	18.51	Horizontal
10520.00	47.79	2.93	50.72	68.20	17.48	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	24.10	20.12	44.22	54.00	9.78	Vertical
5150.00	24.14	20.12	44.26	54.00	9.74	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
10560.00	48.00	1.68	49.68	68.20	18.52	Vertical
10560.00	48.09	1.68	49.77	68.20	18.43	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	39.12	19.93	59.05	74.00	14.95	Vertical
10640.00	47.81	2.76	50.57	74.00	23.43	Vertical
5350.00	44.92	19.93	64.85	74.00	9.15	Horizontal
10640.00	47.89	2.76	50.65	74.00	23.35	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	24.92	19.93	44.85	54.00	9.15	Vertical
10640.00	38.78	2.76	41.54	54.00	12.46	Vertical
5350.00	27.98	19.93	47.91	54.00	6.09	Horizontal
10640.00	38.49	2.76	41.25	54.00	12.75	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 2: 5250 MHz - 5350 MHz, 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
5150.00	35.11	20.12	55.23	74.00	18.77	Vertical
10520.00	47.12	2.93	50.05	68.20	18.15	Vertical
5150.00	35.88	20.12	56.00	74.00	18.00	Horizontal
10520.00	47.41	2.93	50.34	68.20	17.86	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	24.06	20.12	44.18	54.00	9.82	Vertical
5150.00	24.12	20.12	44.24	54.00	9.76	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
10560.00	47.56	1.68	49.24	68.20	18.96	Vertical
10560.00	47.63	1.68	49.31	68.20	18.89	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	40.85	19.93	60.78	74.00	13.22	Vertical
10640.00	48.15	2.76	50.91	74.00	23.09	Vertical
5350.00	46.26	19.93	66.19	74.00	7.81	Horizontal
10640.00	47.87	2.76	50.63	74.00	23.37	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	24.85	19.93	44.78	54.00	9.22	Vertical
10640.00	38.90	2.76	41.66	54.00	12.34	Vertical
5350.00	27.76	19.93	47.69	54.00	6.31	Horizontal
10640.00	38.02	2.76	40.78	54.00	13.22	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 2: 5250 MHz - 5350 MHz, 802.11n-HT40						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	35.13	20.12	55.25	74.00	18.75	Vertical
10540.00	49.01	2.06	51.07	68.20	17.13	Vertical
5150.00	36.09	20.12	56.21	74.00	17.79	Horizontal
10540.00	47.62	2.06	49.68	68.20	18.52	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	23.97	20.12	44.09	54.00	9.91	Vertical
5150.00	23.95	20.12	44.07	54.00	9.93	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	40.89	19.93	60.82	74.00	13.18	Vertical
10620.00	49.06	2.28	51.34	74.00	22.66	Vertical
5350.00	47.44	19.93	67.37	74.00	6.63	Horizontal
10620.00	47.91	2.28	50.19	74.00	23.81	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	25.69	19.93	45.62	54.00	8.38	Vertical
10620.00	38.98	2.28	41.26	54.00	12.74	Vertical
5350.00	28.98	19.93	48.91	54.00	5.09	Horizontal
10620.00	37.88	2.28	40.16	54.00	13.84	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 2: 5250 MHz - 5350 MHz, 802.11ac-VHT20						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	34.61	20.12	54.73	74.00	19.27	Vertical
10520.00	47.41	2.93	50.34	68.20	17.86	Vertical
5150.00	35.74	20.12	55.86	74.00	18.14	Horizontal
10520.00	47.07	2.93	50.00	68.20	18.20	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	23.98	20.12	44.10	54.00	9.90	Vertical
5150.00	24.18	20.12	44.30	54.00	9.70	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
10560.00	48.14	1.68	49.82	68.20	18.38	Vertical
10560.00	47.73	1.68	49.41	68.20	18.79	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	39.48	19.93	59.41	74.00	14.59	Vertical
10640.00	48.60	2.76	51.36	74.00	22.64	Vertical
5350.00	45.79	19.93	65.72	74.00	8.28	Horizontal
10640.00	47.67	2.76	50.43	74.00	23.57	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	24.95	19.93	44.88	54.00	9.12	Vertical
10640.00	38.97	2.76	41.73	54.00	12.27	Vertical
5350.00	27.75	19.93	47.68	54.00	6.32	Horizontal
10640.00	38.12	2.76	40.88	54.00	13.12	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 2: 5250 MHz - 5350 MHz, 802.11ac-VHT40						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	35.39	20.12	55.51	74.00	18.49	Vertical
10540.00	49.31	2.06	51.37	68.20	16.83	Vertical
5150.00	36.29	20.12	56.41	74.00	17.59	Horizontal
10540.00	47.37	2.06	49.43	68.20	18.77	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	23.98	20.12	44.10	54.00	9.90	Vertical
5150.00	24.08	20.12	44.20	54.00	9.80	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	40.82	19.93	60.75	74.00	13.25	Vertical
10620.00	48.73	2.28	51.01	74.00	22.99	Vertical
5350.00	47.46	19.93	67.39	74.00	6.61	Horizontal
10620.00	47.82	2.28	50.10	74.00	23.90	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	26.17	19.93	46.10	54.00	7.90	Vertical
10620.00	39.14	2.28	41.42	54.00	12.58	Vertical
5350.00	30.76	19.93	50.69	54.00	3.31	Horizontal
10620.00	38.05	2.28	40.33	54.00	13.67	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 2: 5250 MHz - 5350 MHz, 802.11ac-VHT80						
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	35.09	20.12	55.21	74.00	18.79	Vertical
5350.00	37.81	19.93	57.74	74.00	16.26	Vertical
10580.00	48.89	1.71	50.60	68.20	17.60	Vertical
5150.00	35.58	20.12	55.70	74.00	18.3	Horizontal
5350.00	45.80	19.93	65.73	74.00	8.27	Horizontal
10580.00	47.38	1.71	49.09	68.20	19.11	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	24.00	20.12	44.12	54.00	9.88	Vertical
5350.00	25.23	19.93	45.16	54.00	8.84	Vertical
5150.00	24.08	20.12	44.20	54.00	9.8	Horizontal
5350.00	28.41	19.93	48.34	54.00	5.66	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 3: 5470 MHz - 5725 MHz, 802.11a						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5470.00	38.49	20.52	59.01	68.20	9.19	Vertical
11000.00	52.56	2.64	55.20	74.00	18.80	Vertical
5470.00	43.95	20.52	64.47	68.20	3.73	Horizontal
11000.00	51.48	2.64	54.12	74.00	19.88	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11000.00	43.64	2.64	46.28	54.00	7.72	Vertical
11000.00	40.84	2.64	43.48	54.00	10.52	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11120.00	52.68	1.72	54.40	74.00	19.60	Vertical
11120.00	51.52	1.72	53.24	74.00	20.76	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11120.00	43.19	1.72	44.91	54.00	9.09	Vertical
11120.00	40.52	1.72	42.24	54.00	11.76	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5725.00	35.79	21.29	57.08	68.20	11.12	Vertical
11400.00	52.14	1.96	54.10	74.00	19.90	Vertical
5725.00	41.71	21.29	63.00	68.20	5.20	Horizontal
11400.00	51.55	1.96	53.51	74.00	20.49	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11400.00	43.37	1.96	45.33	54.00	8.67	Vertical
11400.00	40.78	1.96	42.74	54.00	11.26	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 3: 5470 MHz - 5725 MHz, 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
5470.00	36.96	20.52	57.48	68.20	10.72	Vertical
11000.00	52.92	2.64	55.56	74.00	18.44	Vertical
5470.00	44.58	20.52	65.10	68.20	3.10	Horizontal
11000.00	51.03	2.64	53.67	74.00	20.33	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11000.00	44.01	2.64	46.65	54.00	7.35	Vertical
11000.00	41.25	2.64	43.89	54.00	10.11	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11120.00	53.02	1.72	54.74	74.00	19.26	Vertical
11120.00	51.78	1.72	53.50	74.00	20.50	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11120.00	43.44	1.72	45.16	54.00	8.84	Vertical
11120.00	40.17	1.72	41.89	54.00	12.11	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5725.00	36.01	21.29	57.30	68.20	10.90	Vertical
11400.00	52.31	1.96	54.27	74.00	19.73	Vertical
5725.00	43.62	21.29	64.91	68.20	3.29	Horizontal
11400.00	51.36	1.96	53.32	74.00	20.68	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11400.00	43.66	1.96	45.62	54.00	8.38	Vertical
11400.00	40.45	1.96	42.41	54.00	11.59	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 3: 5470 MHz - 5725 MHz, 802.11n-HT40						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5470.00	36.96	20.52	57.48	68.20	10.72	Vertical
11020.00	52.09	2.43	54.52	74.00	19.48	Vertical
5470.00	44.27	20.52	64.79	68.20	3.41	Horizontal
11020.00	51.47	2.43	53.90	74.00	20.10	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11020.00	43.52	2.43	45.95	54.00	8.05	Vertical
11020.00	40.30	2.43	42.73	54.00	11.27	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11180.00	53.03	2.19	55.22	74.00	18.78	Vertical
11180.00	51.82	2.19	54.01	74.00	19.99	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11180.00	43.46	2.19	45.65	54.00	8.35	Vertical
11180.00	40.23	2.19	42.42	54.00	11.58	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5725.00	35.59	21.29	56.88	68.20	11.32	Vertical
11340.00	52.37	3.58	55.95	74.00	18.05	Vertical
5725.00	40.50	21.29	61.79	68.20	6.41	Horizontal
11340.00	51.74	3.58	55.32	74.00	18.68	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11340.00	43.75	3.58	47.33	54.00	6.67	Vertical
11340.00	40.42	3.58	44.00	54.00	10.00	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 3: 5470 MHz - 5725 MHz, 802.11ac-VHT20						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5470.00	35.94	20.52	56.46	68.20	11.74	Vertical
11000.00	52.63	2.64	55.27	74.00	18.73	Vertical
5470.00	43.75	20.52	64.27	68.20	3.93	Horizontal
11000.00	50.73	2.64	53.37	74.00	20.63	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11000.00	43.73	2.64	46.37	54.00	7.63	Vertical
11000.00	41.39	2.64	44.03	54.00	9.97	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11120.00	53.24	1.72	54.96	74.00	19.04	Vertical
11120.00	52.17	1.72	53.89	74.00	20.11	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11120.00	43.87	1.72	45.59	54.00	8.41	Vertical
11120.00	39.88	1.72	41.60	54.00	12.40	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5725.00	35.23	21.29	56.52	68.20	11.68	Vertical
11400.00	51.96	1.96	53.92	74.00	20.08	Vertical
5725.00	42.06	21.29	63.35	68.20	4.85	Horizontal
11400.00	51.83	1.96	53.79	74.00	20.21	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11400.00	43.42	1.96	45.38	54.00	8.62	Vertical
11400.00	40.21	1.96	42.17	54.00	11.83	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 3: 5470 MHz - 5725 MHz, 802.11ac-VHT40						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5470.00	41.63	20.52	62.15	68.20	6.05	Vertical
11020.00	53.41	2.43	55.84	74.00	18.16	Vertical
5470.00	47.47	20.52	67.99	68.20	0.21	Horizontal
11020.00	51.23	2.43	53.66	74.00	20.34	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11020.00	44.13	2.43	46.56	54.00	7.44	Vertical
11020.00	40.85	2.43	43.28	54.00	10.72	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11180.00	53.00	2.19	55.19	74.00	18.81	Vertical
11180.00	52.16	2.19	54.35	74.00	19.65	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11180.00	43.48	2.19	45.67	54.00	8.33	Vertical
11180.00	40.47	2.19	42.66	54.00	11.34	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5725.00	38.01	21.29	59.30	68.20	8.90	Vertical
11340.00	53.67	3.58	57.25	74.00	16.75	Vertical
5725.00	45.81	21.29	67.10	68.20	1.10	Horizontal
11340.00	50.87	3.58	54.45	74.00	19.55	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11340.00	44.08	3.58	47.66	54.00	6.34	Vertical
11340.00	40.92	3.58	44.50	54.00	9.50	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 3: 5470 MHz - 5725 MHz, 802.11ac-VHT80						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5470.00	39.83	20.52	60.35	68.20	7.85	Vertical
11060.00	53.29	1.97	55.26	74.00	18.74	Vertical
5470.00	42.79	20.52	63.31	68.20	4.89	Horizontal
11060.00	50.85	1.97	52.82	74.00	21.18	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11060.00	44.34	1.97	46.31	54.00	7.69	Vertical
11060.00	41.19	1.97	43.16	54.00	10.84	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5725.00	34.89	21.29	56.18	68.20	12.02	Vertical
11220.00	53.07	3.01	56.08	74.00	17.92	Vertical
5725.00	35.23	21.29	56.52	68.20	11.68	Horizontal
11220.00	50.44	3.01	53.45	74.00	20.55	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11220.00	44.21	3.01	47.22	54.00	6.78	Vertical
11220.00	41.53	3.01	44.54	54.00	9.46	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 4: 5725 MHz - 5825 MHz, 802.11a						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5650.00	41.54	20.81	62.35	68.20	5.85	Vertical
5700.00	40.80	21.58	62.38	105.20	42.82	Vertical
5720.00	44.12	21.35	65.47	110.80	45.33	Vertical
5725.00	49.51	21.29	70.80	122.20	51.40	Vertical
11490.00	52.46	2.44	54.90	74.00	19.10	Vertical
5650.00	41.55	20.81	62.36	68.20	5.84	Horizontal
5700.00	42.03	21.58	63.61	105.20	41.59	Horizontal
5720.00	50.73	21.35	72.08	110.80	38.72	Horizontal
5725.00	57.89	21.29	79.18	122.20	43.02	Horizontal
11490.00	52.50	2.44	54.94	74.00	19.06	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11490.00	43.13	2.44	45.57	54.00	8.43	Vertical
11490.00	43.36	2.44	45.80	54.00	8.20	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11570.00	52.35	2.74	55.09	74.00	18.91	Vertical
11570.00	52.31	2.74	55.05	74.00	18.95	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11570.00	43.46	2.74	46.20	54.00	7.80	Vertical
11570.00	43.09	2.74	45.83	54.00	8.17	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5850.00	41.95	21.10	63.05	122.20	59.15	Vertical
5855.00	41.11	21.15	62.26	110.80	48.54	Vertical
5875.00	39.75	21.36	61.11	105.20	44.09	Vertical
5925.00	39.67	21.70	61.37	68.20	6.83	Vertical
11650.00	50.99	2.00	52.99	74.00	21.01	Vertical
5850.00	49.65	21.10	70.75	122.20	51.45	Horizontal
5855.00	47.84	21.15	68.99	110.80	41.81	Horizontal
5875.00	40.50	21.36	61.86	105.20	43.34	Horizontal
5925.00	39.58	21.70	61.28	68.20	6.92	Horizontal
11650.00	53.06	2.00	55.06	74.00	18.94	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11650.00	44.00	2.00	46.00	54.00	8.00	Vertical
11650.00	44.65	2.00	46.65	54.00	7.35	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 4: 5725 MHz - 5825 MHz, 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
5650.00	40.53	20.81	61.34	68.20	6.86	Vertical
5700.00	40.68	21.58	62.26	105.20	42.94	Vertical
5720.00	45.00	21.35	66.35	110.80	44.45	Vertical
5725.00	49.23	21.29	70.52	122.20	51.68	Vertical
11490.00	52.30	2.44	54.74	74.00	19.26	Vertical
5650.00	40.87	20.81	61.68	68.20	6.52	Horizontal
5700.00	41.63	21.58	63.21	105.20	41.99	Horizontal
5720.00	51.58	21.35	72.93	110.80	37.87	Horizontal
5725.00	58.86	21.29	80.15	122.20	42.05	Horizontal
11490.00	52.99	2.44	55.43	74.00	18.57	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11490.00	43.43	2.44	45.87	54.00	8.13	Vertical
11490.00	43.78	2.44	46.22	54.00	7.78	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11570.00	51.98	2.74	54.72	74.00	19.28	Vertical
11570.00	52.52	2.74	55.26	74.00	18.74	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11570.00	43.93	2.74	46.67	54.00	7.33	Vertical
11570.00	43.04	2.74	45.78	54.00	8.22	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5850.00	43.04	21.10	64.14	122.20	58.06	Vertical
5855.00	41.22	21.15	62.37	110.80	48.43	Vertical
5875.00	39.90	21.36	61.26	105.20	43.94	Vertical
5925.00	40.67	21.70	62.37	68.20	5.83	Vertical
11650.00	51.49	2.00	53.49	74.00	20.51	Vertical
5850.00	53.54	21.10	74.64	122.20	47.56	Horizontal
5855.00	48.23	21.15	69.38	110.80	41.42	Horizontal
5875.00	40.94	21.36	62.30	105.20	42.90	Horizontal
5925.00	40.24	21.70	61.94	68.20	6.26	Horizontal
11650.00	52.67	2.00	54.67	74.00	19.33	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11650.00	43.86	2.00	45.86	54.00	8.14	Vertical
11650.00	44.44	2.00	46.44	54.00	7.56	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 4: 5725 MHz - 5825 MHz, 802.11n-HT40						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5650.00	41.10	20.81	61.91	68.20	6.29	Vertical
5700.00	41.27	21.58	62.85	105.20	42.35	Vertical
5720.00	44.59	21.35	65.94	110.80	44.86	Vertical
5725.00	48.13	21.29	69.42	122.20	52.78	Vertical
11510.00	51.21	2.60	53.81	74.00	20.19	Vertical
5650.00	40.50	20.81	61.31	68.20	6.89	Horizontal
5700.00	43.22	21.58	64.80	105.20	40.40	Horizontal
5720.00	52.25	21.35	73.60	110.80	37.20	Horizontal
5725.00	56.20	21.29	77.49	122.20	44.71	Horizontal
11510.00	53.04	2.60	55.64	74.00	18.36	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11510.00	44.49	2.60	47.09	54.00	6.91	Vertical
11510.00	44.55	2.60	47.15	54.00	6.85	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5850.00	40.98	21.10	62.08	122.20	60.12	Vertical
5855.00	40.24	21.15	61.39	110.80	49.41	Vertical
5875.00	40.22	21.36	61.58	105.20	43.62	Vertical
5925.00	39.86	21.70	61.56	68.20	6.64	Vertical
11590.00	50.84	2.73	53.57	74.00	20.43	Vertical
5850.00	43.95	21.10	65.05	122.20	57.15	Horizontal
5855.00	42.30	21.15	63.45	110.80	47.35	Horizontal
5875.00	39.80	21.36	61.16	105.20	44.04	Horizontal
5925.00	41.67	21.70	63.37	68.20	4.83	Horizontal
11590.00	52.93	2.73	55.66	74.00	18.34	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11590.00	44.05	2.73	46.78	54.00	7.22	Vertical
11590.00	44.05	2.73	46.78	54.00	7.22	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 4: 5725 MHz - 5825 MHz, 8802.11ac-VHT20						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5650.00	41.02	20.81	61.83	68.20	6.37	Vertical
5700.00	41.37	21.58	62.95	105.20	42.25	Vertical
5720.00	43.75	21.35	65.10	110.80	45.70	Vertical
5725.00	49.49	21.29	70.78	122.20	51.42	Vertical
11490.00	51.88	2.44	54.32	74.00	19.68	Vertical
5650.00	40.99	20.81	61.80	68.20	6.40	Horizontal
5700.00	40.95	21.58	62.53	105.20	42.67	Horizontal
5720.00	50.60	21.35	71.95	110.80	38.85	Horizontal
5725.00	58.23	21.29	79.52	122.20	42.68	Horizontal
11490.00	52.74	2.44	55.18	74.00	18.82	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11490.00	43.45	2.44	45.89	54.00	8.11	Vertical
11490.00	44.00	2.44	46.44	54.00	7.56	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11570.00	51.59	2.74	54.33	74.00	19.67	Vertical
11570.00	52.85	2.74	55.59	74.00	18.41	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11570.00	43.77	2.74	46.51	54.00	7.49	Vertical
11570.00	42.61	2.74	45.35	54.00	8.65	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5850.00	42.48	21.10	63.58	122.20	58.62	Vertical
5855.00	40.56	21.15	61.71	110.80	49.09	Vertical
5875.00	40.21	21.36	61.57	105.20	43.63	Vertical
5925.00	39.96	21.70	61.66	68.20	6.54	Vertical
11650.00	51.90	2.00	53.90	74.00	20.10	Vertical
5850.00	51.79	21.10	72.89	122.20	49.31	Horizontal
5855.00	47.19	21.15	68.34	110.80	42.46	Horizontal
5875.00	40.01	21.36	61.37	105.20	43.83	Horizontal
5925.00	39.83	21.70	61.53	68.20	6.67	Horizontal
11650.00	52.63	2.00	54.63	74.00	19.37	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11650.00	43.84	2.00	45.84	54.00	8.16	Vertical
11650.00	44.13	2.00	46.13	54.00	7.87	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 4: 5725 MHz - 5825 MHz, 802.11ac-VHT40						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5650.00	41.38	20.81	62.19	68.20	6.01	Vertical
5700.00	41.45	21.58	63.03	105.20	42.17	Vertical
5720.00	45.20	21.35	66.55	110.80	44.25	Vertical
5725.00	46.31	21.29	67.60	122.20	54.60	Vertical
11510.00	49.25	2.60	51.85	74.00	22.15	Vertical
5650.00	40.65	20.81	61.46	68.20	6.74	Horizontal
5700.00	44.22	21.58	65.80	105.20	39.40	Horizontal
5720.00	54.18	21.35	75.53	110.80	35.27	Horizontal
5725.00	55.60	21.29	76.89	122.20	45.31	Horizontal
11510.00	53.49	2.60	56.09	74.00	17.91	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11510.00	43.95	2.60	46.55	54.00	7.45	Vertical
11510.00	44.11	2.60	46.71	54.00	7.29	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5850.00	40.11	21.10	61.21	122.20	60.99	Vertical
5855.00	40.04	21.15	61.19	110.80	49.61	Vertical
5875.00	39.90	21.36	61.26	105.20	43.94	Vertical
5925.00	40.20	21.70	61.90	68.20	6.30	Vertical
11590.00	50.34	2.73	53.07	74.00	20.93	Vertical
5850.00	46.37	21.10	67.47	122.20	54.73	Horizontal
5855.00	41.90	21.15	63.05	110.80	47.75	Horizontal
5875.00	40.70	21.36	62.06	105.20	43.14	Horizontal
5925.00	39.94	21.70	61.64	68.20	6.56	Horizontal
11590.00	53.17	2.73	55.90	74.00	18.10	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11590.00	44.06	2.73	46.79	54.00	7.21	Vertical
11590.00	44.53	2.73	47.26	54.00	6.74	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 4: 5725 MHz - 5825 MHz, 802.11ac-VHT80						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5650.00	41.41	20.81	62.22	68.20	5.98	Vertical
5700.00	41.55	21.58	63.13	105.20	42.07	Vertical
5720.00	43.7	21.35	65.05	110.80	45.75	Vertical
5725.00	43.65	21.29	64.94	122.20	57.26	Vertical
5850.00	42.73	21.10	63.83	122.20	58.37	Vertical
5855.00	40.6	21.15	61.75	110.80	49.05	Vertical
5875.00	39.97	21.36	61.33	105.20	43.87	Vertical
5925.00	39.92	21.70	61.62	68.20	6.58	Vertical
11550.00	48.76	2.74	51.50	74.00	22.50	Vertical
5650.00	41.06	20.81	61.87	68.20	6.33	Horizontal
5700.00	44.22	21.58	65.80	105.20	39.40	Horizontal
5720.00	50.98	21.35	72.33	110.80	38.47	Horizontal
5725.00	49.87	21.29	71.16	122.20	51.04	Horizontal
5850.00	47.80	21.10	68.90	122.20	53.30	Horizontal
5855.00	46.31	21.15	67.46	110.80	43.34	Horizontal
5875.00	44.80	21.36	66.16	105.20	39.04	Horizontal
5925.00	40.51	21.70	62.21	68.20	5.99	Horizontal
11550.00	53.51	2.74	56.25	74.00	17.75	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11550.00	44.15	2.74	46.89	54.00	7.11	Vertical
11550.00	44.47	2.74	47.21	54.00	6.79	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

7 Dynamic Frequency Selection

7.1 DFS Parameters

Table D.1: Applicability of DFS Requirements Prior to Use of a Channel			
Requirement	Operational Mode		
	Master	Client Without Radar Detection	Client With Radar Detection
Non-Occupancy period	Yes	Not required	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Not required	Not required
U-NII Detection Bandwidth	Yes	Not required	Yes

Table D.2: Applicability of DFS requirements during normal operation		
Requirement	Operational Mode	
	Master	Client Without Radar Detection
DFS Detection Threshold	Yes	Not required
Channel Closing Transmission Time	Yes	Yes
Channel Move Time	Yes	Yes
U-NII Detection Bandwidth	Yes	Not required

Additional requirements for devices with multiple bandwidth modes	Operational Mode	
	Master Device or Client with Radar Detection	Client Without Radar Detection
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required
Note: Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.		

Table D.3: DFS Detection Thresholds	
Maximum Transmit Power	Value (See Notes 1,2, and 3)
EIRP $\geq$ 200 mW	-64 dBm
EIRP < 200 mW and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 mW that do not meet the power spectral density requirement	-64 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.	
Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.	
Note 3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	

Table D.4: DFS requirement values	
Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds (See Note 1)
Channel Closing Transmission Time	200 ms + an aggregate of 60ms over remaining 10 second period (See Notes 1 and 2)
U-NII Detection Bandwidth	Minimum 100% of the UNII 99% transmission power bandwidth (See Note 3)
Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst. Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions. Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step, the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.	

Table D.5: Short Pulse Radar Test Waveforms					
Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A Test B	Roundup $\left\{ \left(\frac{1}{360} \right) \cdot \left(\frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$	60%	30
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.					

Table D.6: Long Pulse Radar Test Waveform							
Radar Type	Pulse Width (μsec)	Chirp Width (MHz)	PRI (μsec)	Number of Pulses per Burst	Number of Bursts	Minimum Percentage of Successful Detection	Minimum Number of Trials
5	50-100	5-20	1000-2000	1-3	8-20	80%	30
Long Pulse Radar Test Signal Wave form 12 second transmission							

Table D.7: Frequency Hopping Radar Test Waveform							
Radar Type	Pulse Width (μsec)	PRI (μsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Percentage of Successful Detection	Minimum Number of Trials
6	1	333	0	0.333	300	70%	30

7.2 DFS Technical Requirements

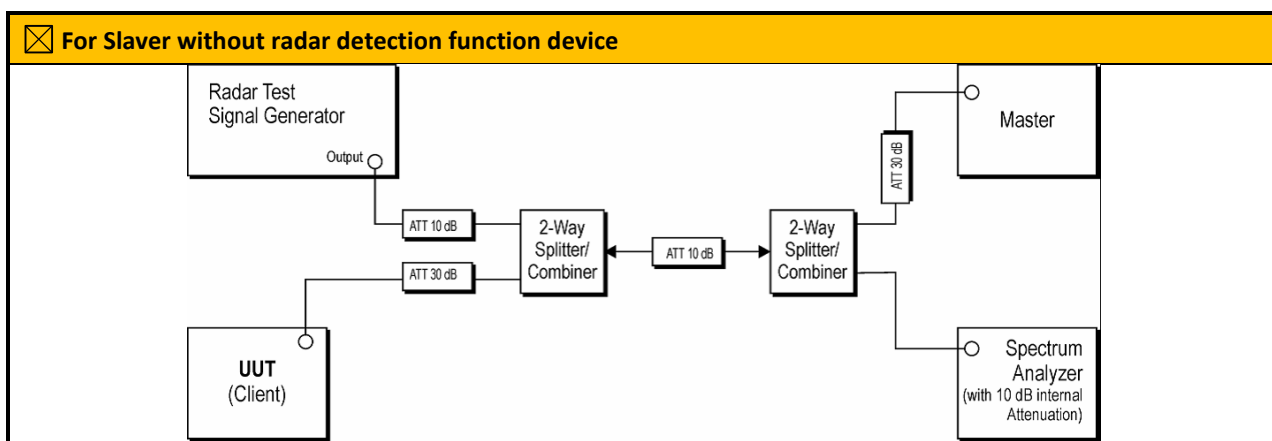
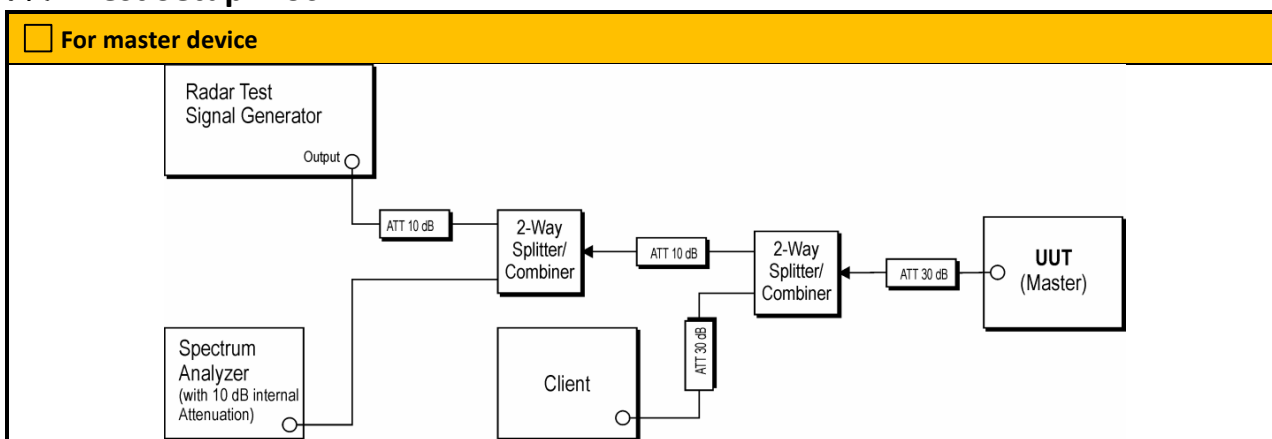
Requirement	DFS Operational mode		
	☐ Master	☒ Slave without Radar Detection	☐ Slave with Radar Detection
Channel Availability Check	√	Not Required	Not Required
UNII Detection Bandwidth	√	Not Required	√
Statistical Performance Check	√	Not Required	√
Channel Move Time	√	√	√
Channel Closing Transmission Time	√	√	√
Non-Occupancy Period	√	Not Required	√

7.3 DFS Threshold Level

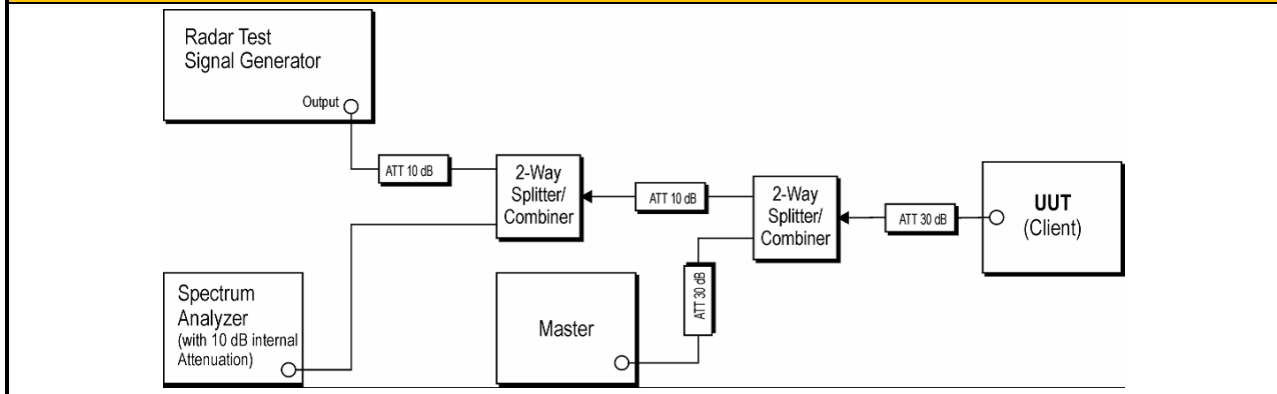
DFS Threshold Level	
5250MHz ~ 5350MHz	-62 dBm @ antenna connector
5470MHz ~ 5725MHz	-62 dBm @ antenna connector

Note: The worst-case level was selected to perform the test.

7.4 Test Setup Block

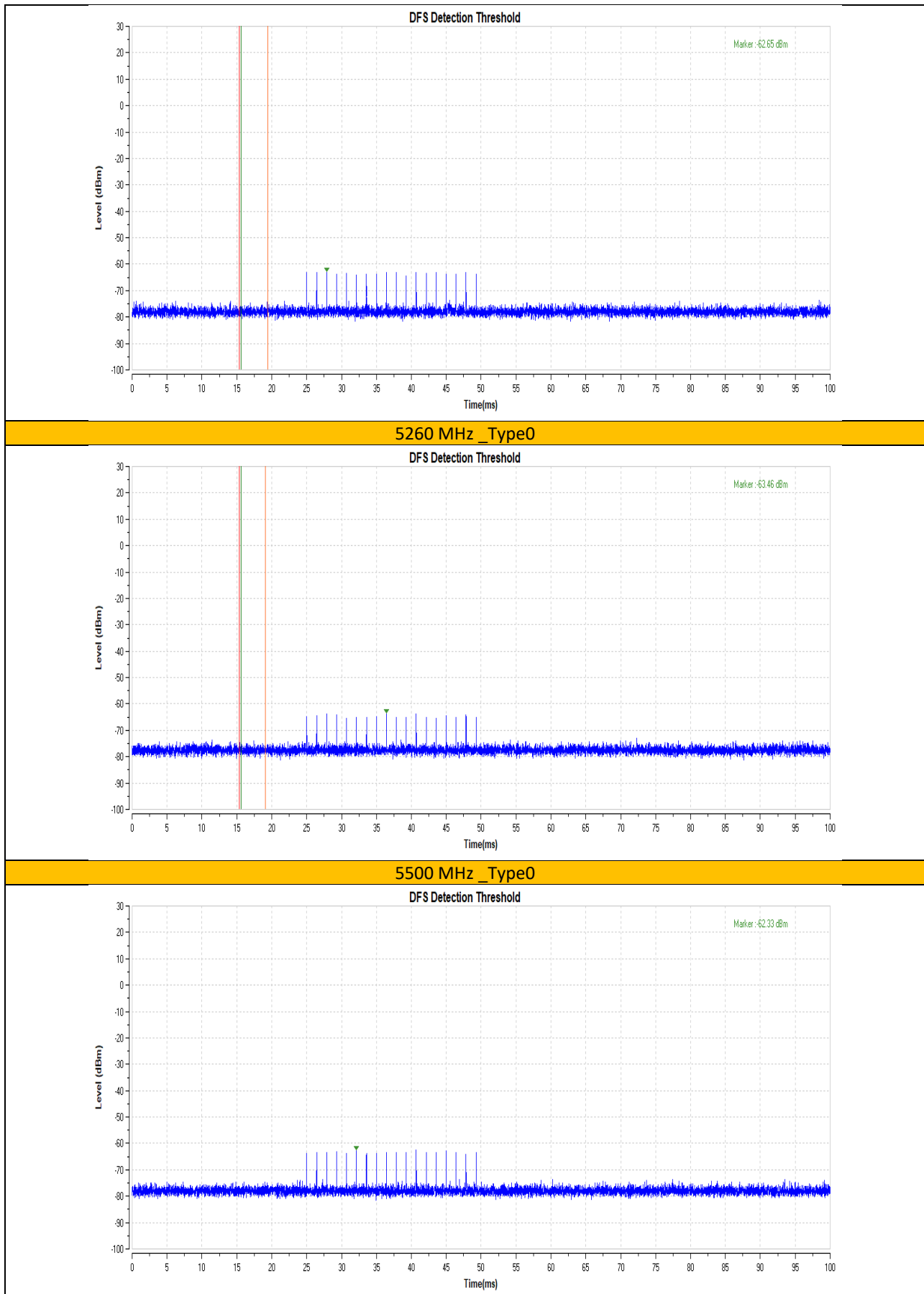


☐ For Slaver with radar detection function device

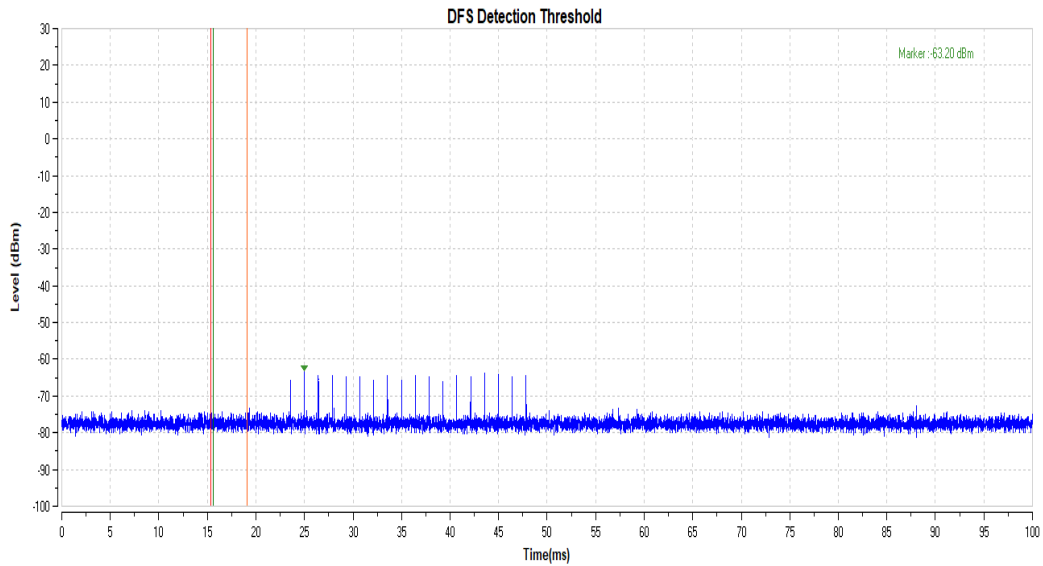


7.5 Test Result

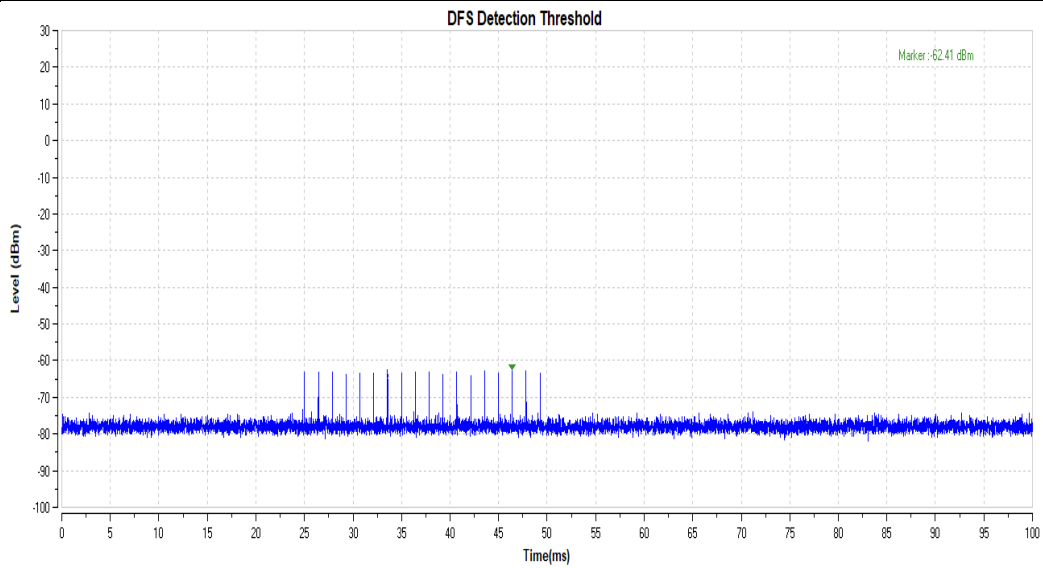
7.5.1 Calibration Results



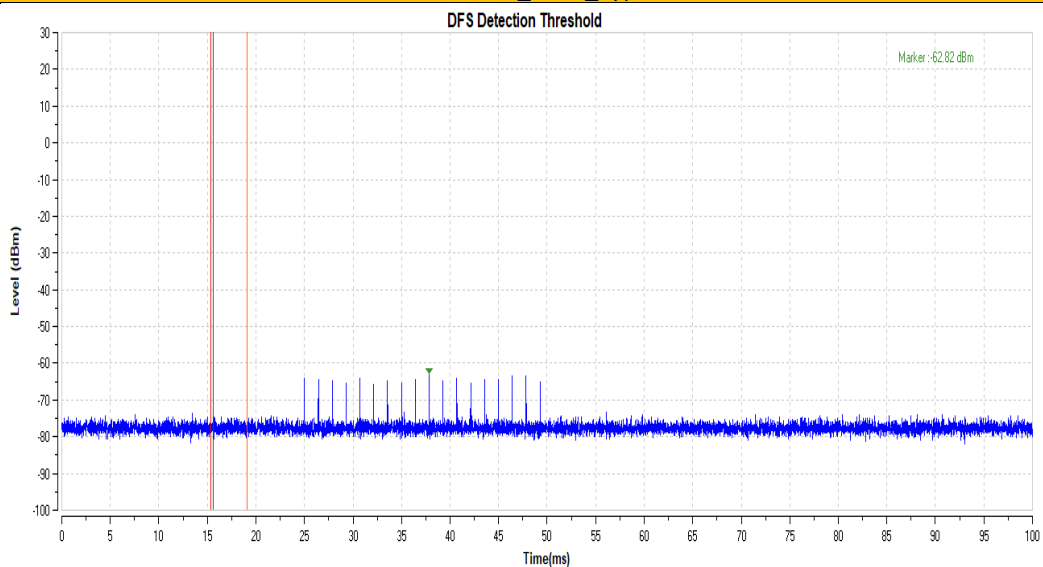
11AC40SISO_5270 MHz_Type0



11AC40SISO_5510 MHz_Type0



11AC80SISO_5290 MHz_Type0

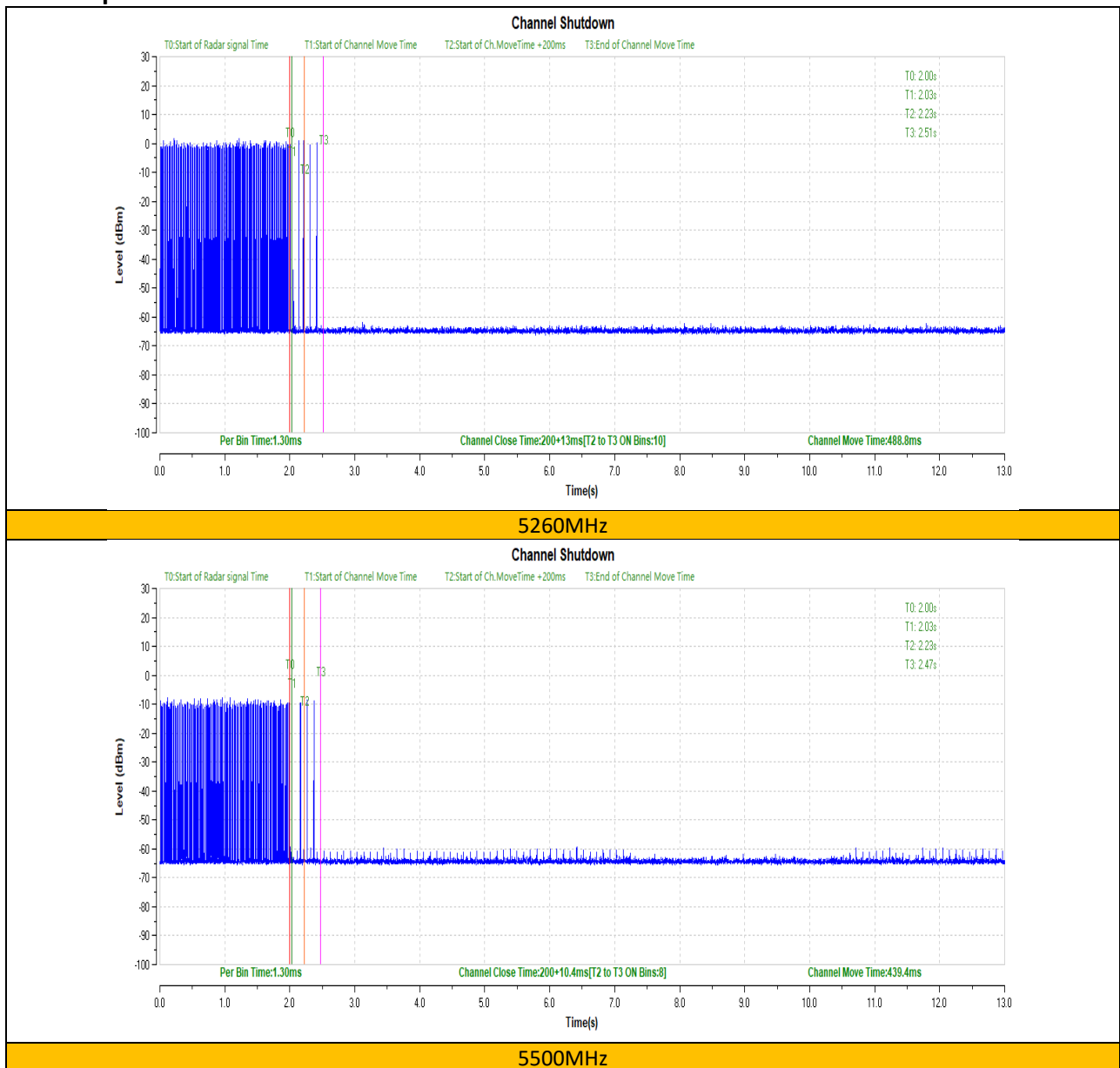


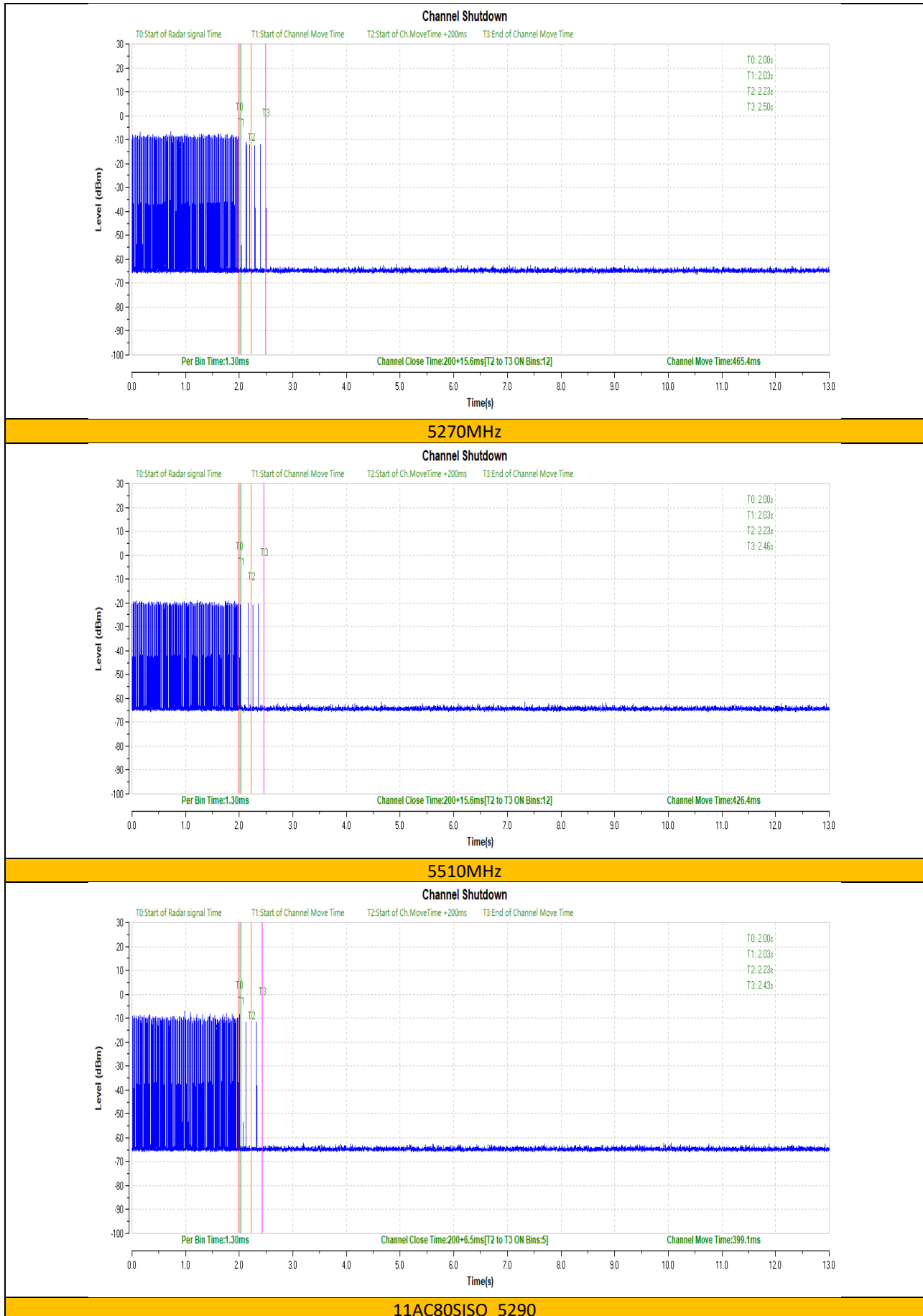
11AC80SISO_5530 MHz_Type0

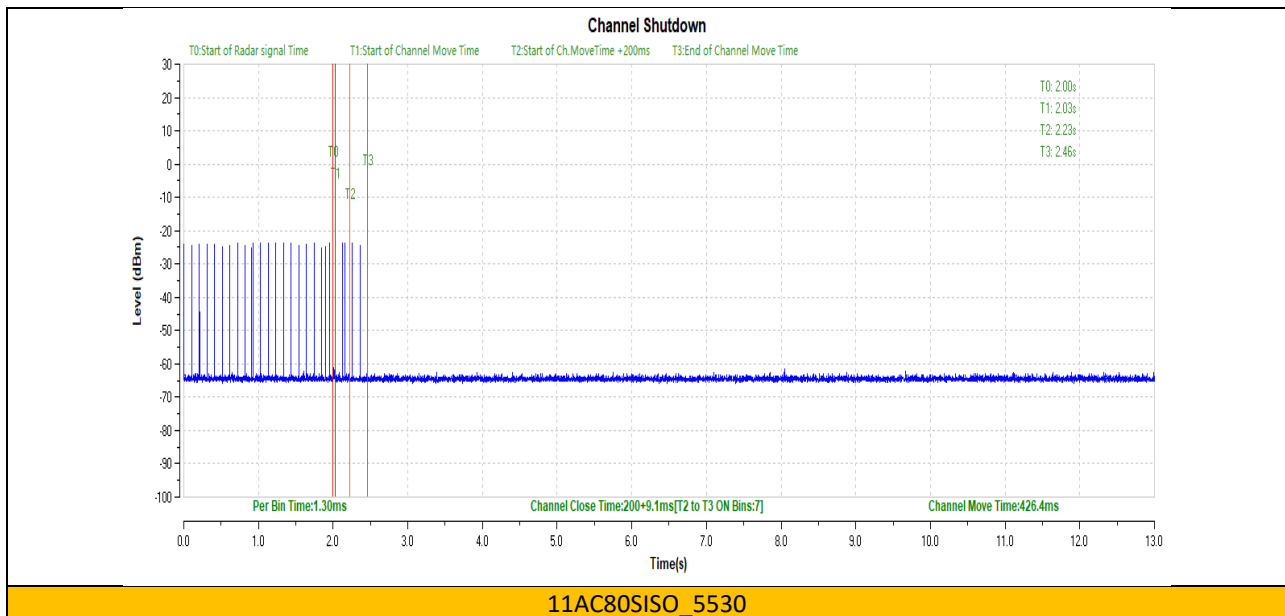
7.5.2 Channel Move time and Channel Closing Transmission Time Test Results

Frequency [MHz]	Bandwidth [MHz]	Channel Closing Transmission [ms]	Limit [ms]	Channel Move Time [ms]	Limit [ms]	Verdict
5260	20	200+13	200+60	488.8	10000	PASS
5500		200+10.4	200+60	439.4	10000	PASS
5270	40	200+15.6	200+60	465.4	10000	PASS
5510		200+15.6	200+60	426.4	10000	PASS
5290	80	200+6.5	200+60	399.1	10000	PASS
5530		200+9.1	200+60	426.4	10000	PASS

Test Graph:



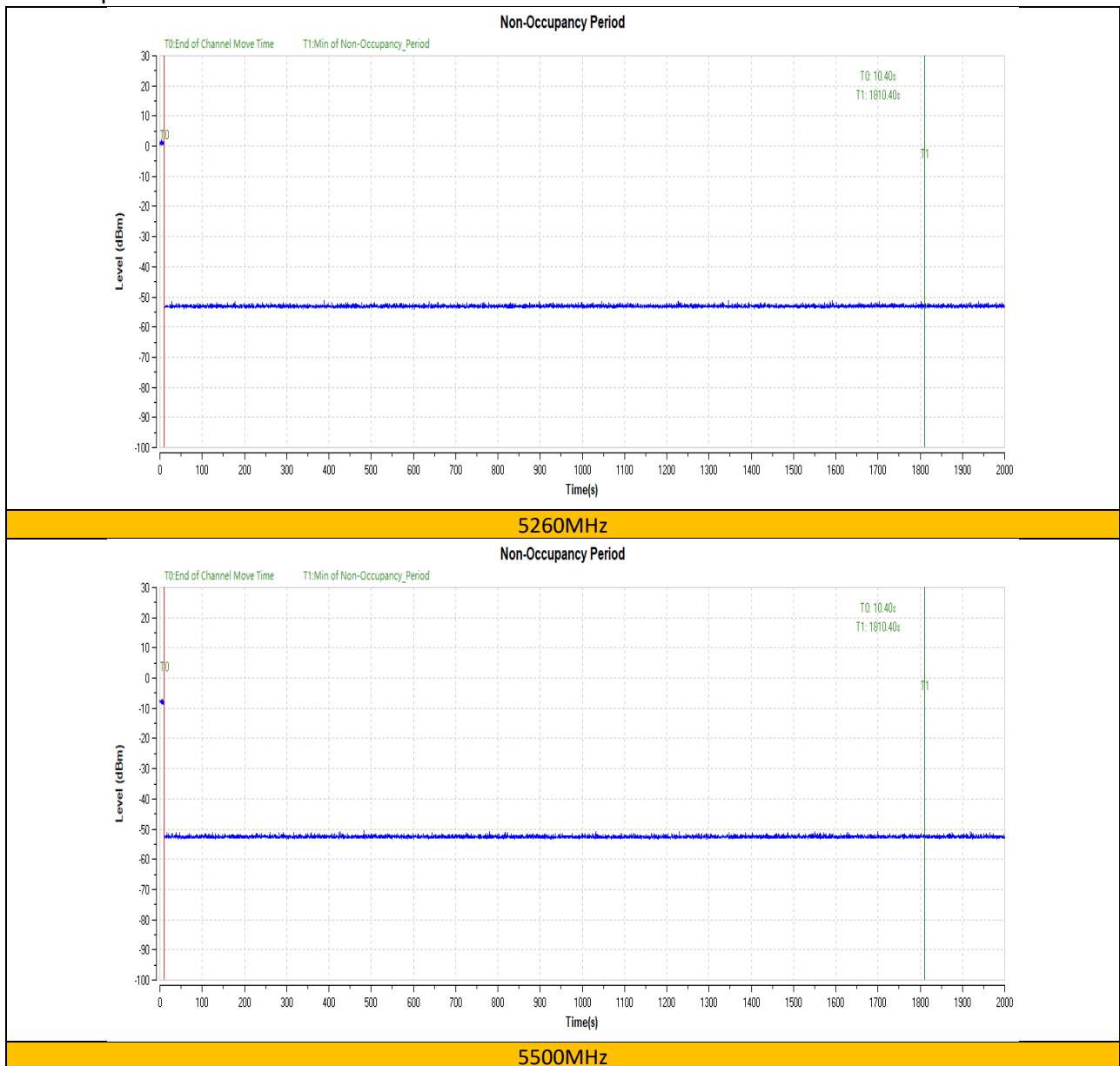


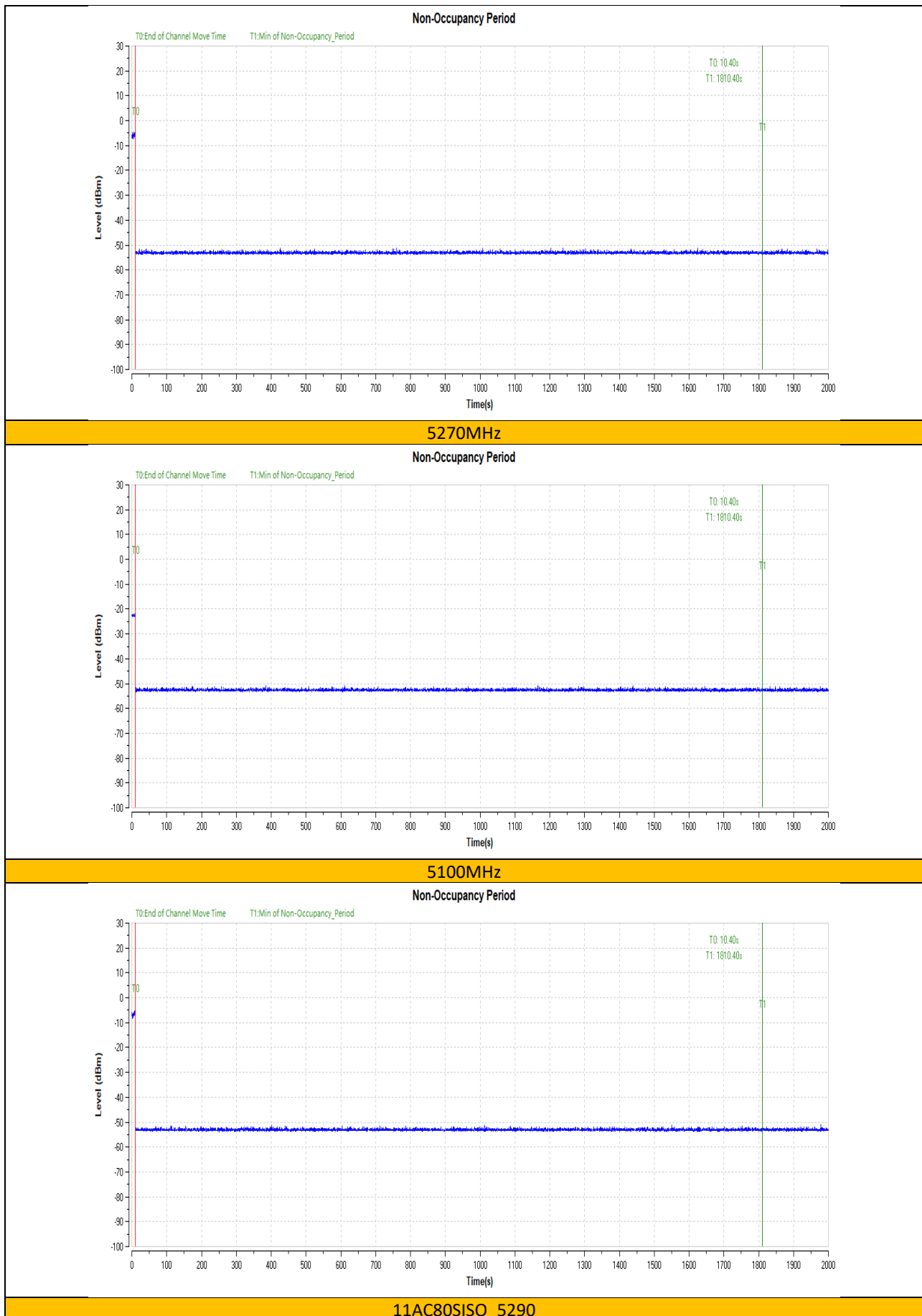


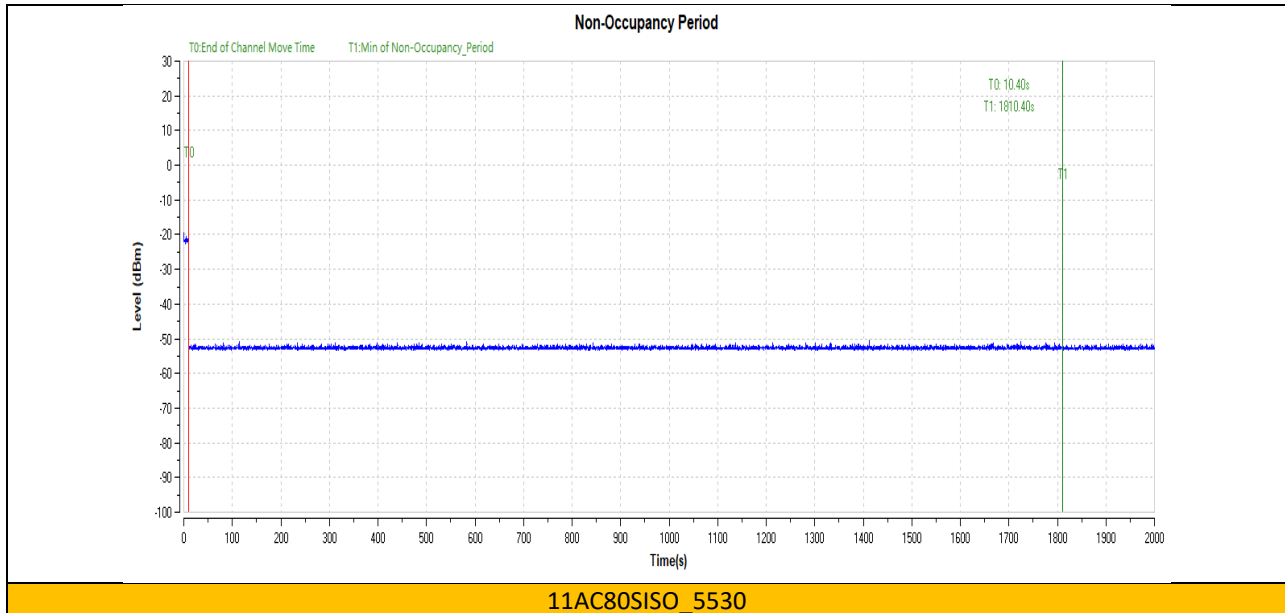
7.5.3 Non-Occupancy Period Test Results

Frequency [MHz]	Bandwidth [MHz]	Result [min]	Limit [min]	Verdict
5260	20	>30	>=30	PASS
5500		>30	>=30	PASS
5270	40	>30	>=30	PASS
5510		>30	>=30	PASS
5290	80	>30	>=30	PASS
5530		>30	>=30	PASS

Test Graph:







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