

FCC REPORT

(WIFI)

Applicant: TCL Communication Ltd.

Address of Applicant: 7/F, Block F4, TCL Communication Technology Building, TCL International E City, Zhong Shan Yuan Road, Nanshan District, Shenzhen, Guangdong, P.R. China 518052

Equipment Under Test (EUT)

Product Name: LTE/UMTS/GSM mobile phone

Model No.: 5048A

Trade mark: alcatel

FCC ID: 2ACCJH107

Applicable standards: FCC CFR Title 47 Part 15 Subpart C Section 15.247

Date of sample receipt: 17 Jan., 2022

Date of Test: 18 Jan., to 01 Mar., 2022

Date of report issued: 04 Mar., 2022

Test Result: PASS*

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Bruce Zhang
Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the JYT product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

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2 Version

Version No.	Date	Description
00	04 Mar., 2022	Original

Tested by:

Mike Ou
Test Engineer

Date:

04 Mar., 2022

Reviewed by:

Winner Zhang
Project Engineer

Date:

04 Mar., 2022

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4 Test Summary

Test Items	Section in CFR 47	Result
Antenna requirement	15.203 & 15.247 (b)	Pass
AC Power Line Conducted Emission	15.207	Pass ¹
Conducted Peak Output Power	15.247 (b)(3)	Pass ²
6dB Emission Bandwidth 99% Occupied Bandwidth	15.247 (a)(2)	Pass ¹
Power Spectral Density	15.247 (e)	Pass ¹
Band Edge	15.247 (d)	Pass ¹
Emissions in Restricted Frequency Bands	15.205 & 15.209	Pass ²
Conducted Spurious Emission	15.247 (d)	Pass ¹
Radiated Spurious Emission	15.205 & 15.209	Pass ²
Remark: 1. Pass ¹ : Items data are refer from the original report issued by SGS-CSTC Standards Technical Services, Co., Ltd. Shenzhen Branch. (Date of Test: 2019/8/2-2019/8/21). The detailed data refer to Appendix- 2.4G WLAN 2. Pass ² : These items are tested by JianYan Testing Group Shenzhen Co., Ltd. 3. The cable insertion loss used by "RF Output Power" and other conduction measurement items is 0.5dB (provided by the customer).		
Test Method:	ANSI C63.10-2013 KDB 558074 D01 15.247 Meas Guidance v05r02	

5 General Information

5.1 Client Information

Applicant:	TCL Communication Ltd.
Address:	7/F, Block F4, TCL Communication Technology Building, TCL International E City, Zhong Shan Yuan Road, Nanshan District, Shenzhen, Guangdong, P.R. China 518052
Manufacturer:	TCL Communication Ltd.
Address:	7/F, Block F4, TCL Communication Technology Building, TCL International E City, Zhong Shan Yuan Road, Nanshan District, Shenzhen, Guangdong, P.R. China 518052
Factory:	Huizhou TCL Mobile Communication Co, Ltd
Address:	No. 86, Hechang 7th West Road, Zhongkai Hi-Tech Development District, Huizhou, Guangdong

5.2 General Description of E.U.T.

Product Name:	LTE/UMTS/GSM mobile phone
Model No.:	5048A
Operation Frequency:	2412MHz~2462MHz (802.11b/802.11g/802.11n(HT20)) 2422MHz~2452MHz (802.11n(HT40))
Channel numbers:	11 for 802.11b/802.11g/802.11(HT20) 7 for 802.11n(HT40)
Channel separation:	5MHz
Modulation technology: (IEEE 802.11b)	Direct Sequence Spread Spectrum (DSSS)
Modulation technology: (IEEE 802.11g/802.11n)	Orthogonal Frequency Division Multiplexing(OFDM)
Data speed (IEEE 802.11b):	1Mbps, 2Mbps, 5.5Mbps, 11Mbps
Data speed (IEEE 802.11g):	6Mbps, 9Mbps, 12Mbps, 18Mbps, 24Mbps, 36Mbps, 48Mbps, 54Mbps
Data speed (IEEE 802.11n):	Up to 150Mbps
Antenna Type:	Integrated Antenna
Antenna gain:	0.25dBi
Power supply:	<input checked="" type="checkbox"/> AC/DC Adapter
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

Operation Frequency each of channel for 802.11b/g/n(HT20)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	4	2427MHz	7	2442MHz	10	2457MHz
2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz
3	2422MHz	6	2437MHz	9	2452MHz		
Note: 1. For 802.11n-HT40 mode, the channel number is from 3 to 9; 2. Channel 1, 6 & 11 selected for 802.11b/g/n-HT20 as Lowest, Middle and Highest channel. Channel 3, 6 & 9 selected for 802.11n-HT40 as Lowest, Middle and Highest Channel.							

5.3 Test environment and mode

Operating Environment:	
Temperature:	24.0 °C
Humidity:	54 % RH
Atmospheric Pressure:	1010 mbar
Test mode:	
Transmitting mode	Keep the EUT in continuous transmitting with modulation
<p>Radiated Emission: The sample was placed 0.8m (below 1GHz)/1.5m (above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.</p> <p>We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:</p>	
Per-scan all kind of data rate, the follow list were the worst case.	
Mode	Data rate
802.11b	1Mbps
802.11g	6Mbps
802.11n(HT20)	6.5Mbps
802.11n(HT40)	13.5Mbps

5.4 Description of Support Units

The EUT has been tested as an independent unit.

5.5 Measurement Uncertainty

Parameters	Expanded Uncertainty
Conducted Emission (9kHz ~ 30MHz)	±1.60 dB (k=2)
Radiated Emission (9kHz ~ 30MHz)	±3.12 dB (k=2)
Radiated Emission (30MHz ~ 1000MHz)	±4.32 dB (k=2)
Radiated Emission (1GHz ~ 18GHz)	±5.16 dB (k=2)
Radiated Emission (18GHz ~ 40GHz)	±3.20 dB (k=2)

5.6 Additions to, deviations, or exclusions from the method

No

5.7 Laboratory Facility

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

- **FCC - Designation No.: CN1211**

JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.

- **ISED – CAB identifier.: CN0021**

The 3m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

- **A2LA - Registration No.: 4346.01**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: <https://portal.a2la.org/scopepdf/4346-01.pdf>

5.8 Laboratory Location

JianYan Testing Group Shenzhen Co., Ltd.

Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

Tel: +86-755-23118282, Fax: +86-755-23116366

Email: info-JYTee@lets.com, Website: <http://www.ccis-cb.com>

5.9 Test Instruments list

Radiated Emission:					
Test Equipment	Manufacturer	Model No.	Serial No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
3m SAC	ETS	RFD-100	Q1984	04-14-2021	04-13-2024
BiConiLog Antenna	SCHWARZBECK	VULB9163	9163-1246	03-07-2021	03-06-2022
Biconical Antenna	SCHWARZBECK	VUBA 9117	9117#359	06-17-2021	06-17-2022
Horn Antenna	SCHWARZBECK	BBHA9120D	912D-916	03-07-2021	03-06-2022
Broad-Band Horn Antenna	SCHWARZBECK	BBHA9170	1067	04-02-2021	04-01-2022
Broad-Band Horn Antenna	SCHWARZBECK	BBHA9170	1068	04-02-2021	04-01-2022
EMI Test Receiver	Rohde & Schwarz	ESRP7	101070	03-03-2021	03-02-2022
				02-17-2022	02-16-2023
Spectrum analyzer	Rohde & Schwarz	FSP30	101454	03-03-2021	03-02-2022
				02-17-2022	02-16-2023
Spectrum analyzer	Keysight	N9010B	MY60240202	10-27-2021	10-26-2022
Band Reject Filter Group	Tonscend	JS0806	21B8060367	04-06-2021	04-05-2022
Low Pre-amplifier	SCHWARZBECK	BBV9743B	00305	03-07-2021	03-06-2022
High Pre-amplifier	SKET	LNPA_0118G-50	MF280208233	03-07-2021	03-06-2022
Cable	Qualwave	JYT3M-1G-NN-8M	JYT3M-1	03-07-2021	03-06-2022
Cable	Qualwave	JYT3M-18G-NN-8M	JYT3M-2	03-07-2021	03-06-2022
Cable	Qualwave	JYT3M-1G-BB-5M	JYT3M-3	03-07-2021	03-06-2022
Cable	Bost	JYT3M-40G-SS-8M	JYT3M-4	04-02-2021	04-01-2022
EMI Test Software	Tonscend	TS+	Version:3.0.0.1		

Conducted method:					
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
Spectrum Analyzer	Keysight	N9010B	MY60240202	10-27-2021	10-26-2022
Power Detector Box	MWRF-test	MW100-PSB	MW201020JYT	11-19-2021	11-18-2022
RF Control Box	MWRF-test	MW100-RFCB	MW200927JYT	N/A	N/A
DC Power Supply	Keysight	E3642A	MY60296194	11-27-2020	11-26-2023
Test Software	MWRF-tes	MTS 8310	Version: 2.0.0.0		

6 Test results and Measurement Data

6.1 Antenna requirement:

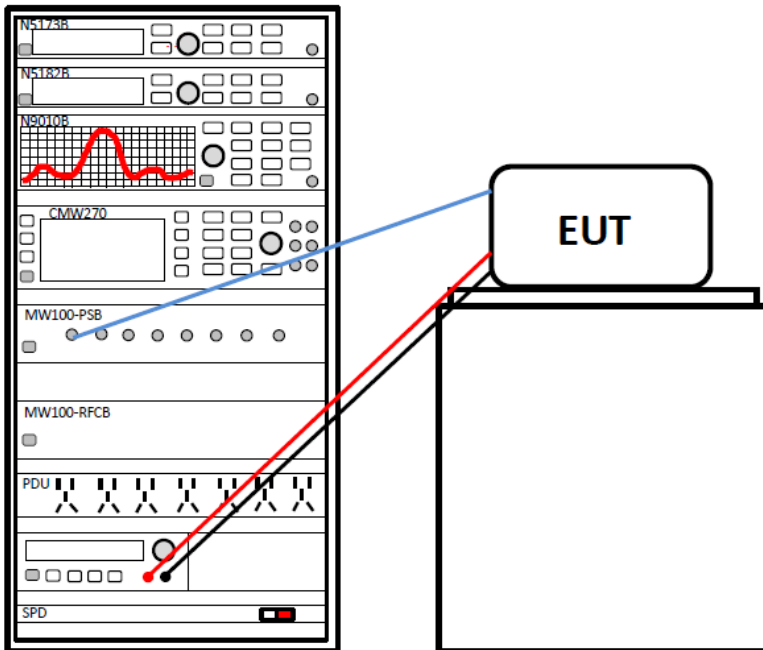
Standard requirement:	FCC Part 15 C Section 15.203 /247(b)
<p>15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses 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.</p> <p>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.</p>	
E.U.T Antenna:	
<p>The Wi-Fi antenna is an Integrated antenna which cannot replace by end-user, the best-case gain of the antenna is 0.25 dBi.</p>	

6.2 Conducted Output Power

6.2.1 Re-test statement

Re-test statement: The EUT is operating at the same power level with the original testing of SGS-CSTC Standards Technical Services, Co Ltd. Shenzhen Branch.

6.2.2 Test Results

Test Requirement:	FCC Part 15 C Section 15.247 (b)(3)
Limit:	30dBm
Test setup:	
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

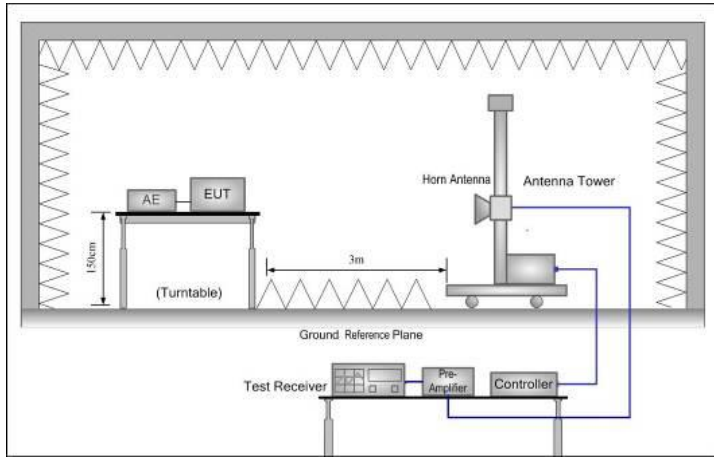
Measurement Data:

Mode	Test Channel	The Original Reports Level [dBm]	Re-Test Reports Level [dBm]	Power level
802.11b	Lowest	22.34	22.10	54
	Middle	22.44	22.13	54
	Highest	22.10	21.95	57
802.11g	Lowest	20.54	20.38	58
	Middle	22.61	22.34	58
	Highest	22.21	22.07	58
802.11n20	Lowest	20.52	20.33	55
	Middle	21.78	21.56	55
	Highest	21.37	21.19	55
802.11n40	Lowest	20.34	20.09	55
	Middle	20.24	20.11	55
	Highest	19.93	19.62	55

Remark:

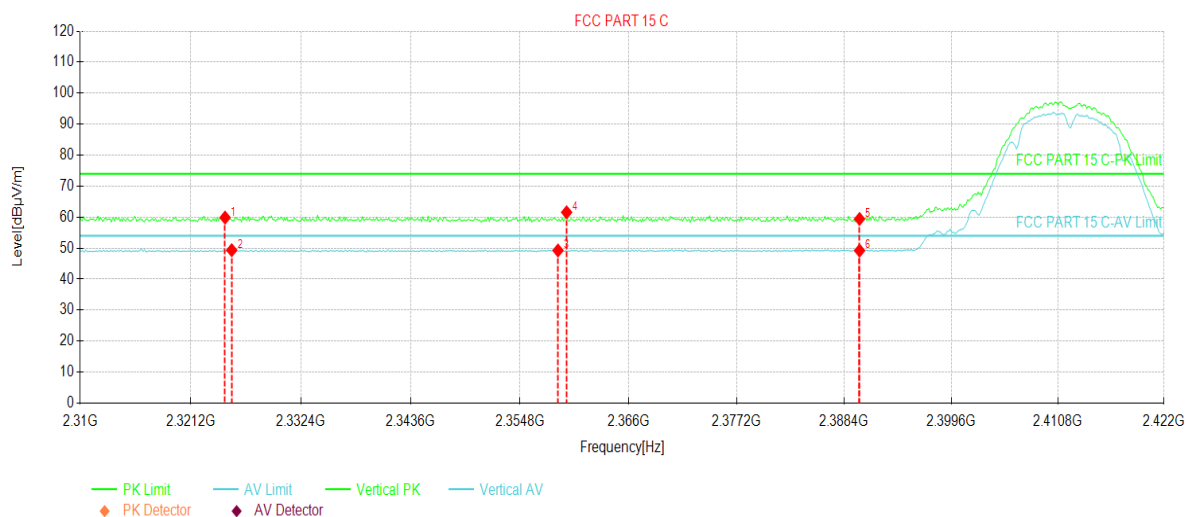
	The Original Reports	Re-Test Reports
File name:	test report 2.4G WLAN	Test Report 2.4G WIFI rev1
Test location:	SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch	JianYan Testing Group Shenzhen Co., Ltd.
The output power is re-test at JianYan Testing Group Shenzhen Co., Ltd.		

6.3 Emissions in Restricted Frequency Bands

Test Requirement:	FCC Part 15 C Section 15.209 and 15.205				
Test Frequency Range:	2310 MHz to 2390 MHz and 2483.5 MHz to 2500 MHz				
Test Distance:	3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Remark
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
		RMS	1MHz	3MHz	Average Value
Limit:	Frequency	Limit (dBuV/m @3m)		Remark	
	Above 1GHz	54.00		Average Value	
		74.00		Peak Value	
Test Procedure:	<div>1. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.</div> <div>2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</div> <div>3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</div> <div>4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.</div> <div>5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</div> <div>6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</div>				
Test setup:	<div></div>				
Test Instruments:	Refer to section 5.9 for details				
Test mode:	Refer to section 5.3 for details				
Test results:	Passed				

802.11b mode:

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11b Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	DC 3.85V	Environment:	Temp: 24℃ Humi: 57%

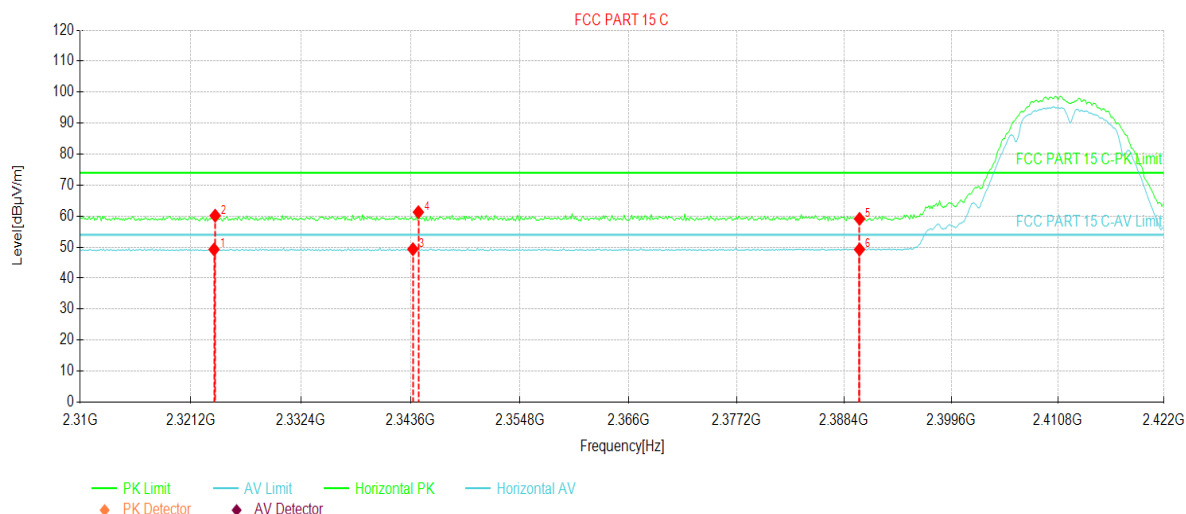


Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	2324.6	24.48	59.86	35.38	74.00	14.14	322	146	PK	Vertical
2	2325.3	13.97	49.35	35.38	54.00	4.65	307	154	AV	Vertical
3	2358.7	13.63	49.25	35.62	54.00	4.75	183	159	AV	Vertical
4	2359.6	25.94	61.56	35.62	74.00	12.44	174	155	PK	Vertical
5	2390.0	23.58	59.42	35.84	74.00	14.58	11	150	PK	Vertical
6	2390.0	13.38	49.22	35.84	54.00	4.78	357	147	AV	Vertical

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
- The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11b Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	DC 3.85V	Environment:	Temp: 24℃ Huni: 57%

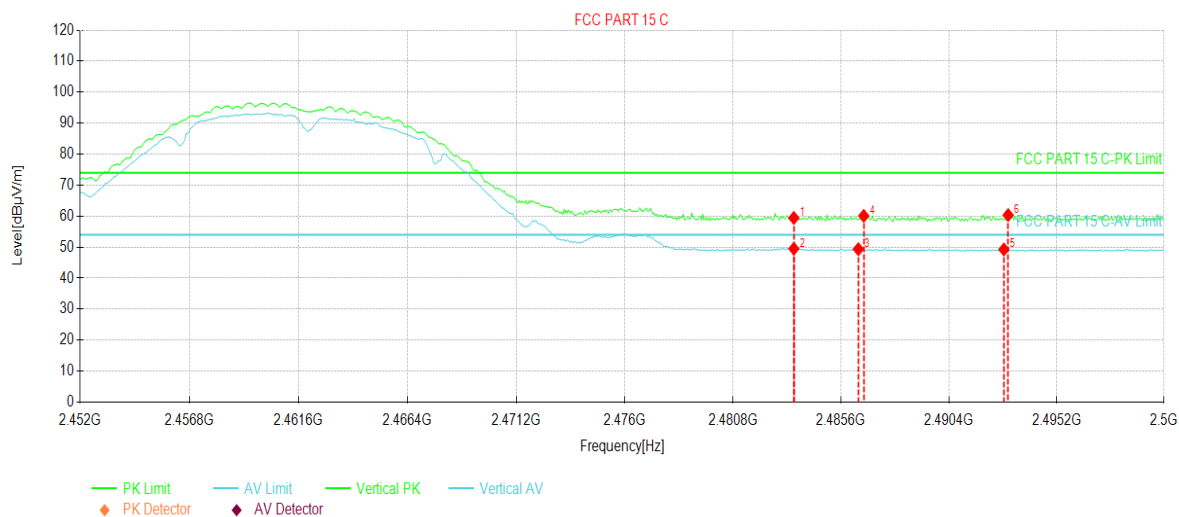


Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	2323.5	13.89	49.26	35.37	54.00	4.74	211	136	AV	Horizontal
2	2323.6	24.79	60.16	35.37	74.00	13.84	198	144	PK	Horizontal
3	2343.8	13.83	49.34	35.51	54.00	4.66	162	147	AV	Horizontal
4	2344.3	25.78	61.30	35.52	74.00	12.70	156	153	PK	Horizontal
5	2390.0	23.28	59.12	35.84	74.00	14.88	351	158	PK	Horizontal
6	2390.0	13.42	49.26	35.84	54.00	4.74	357	154	AV	Horizontal

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
- The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11b Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 3.85V	Environment:	Temp: 24℃ Huni: 57%

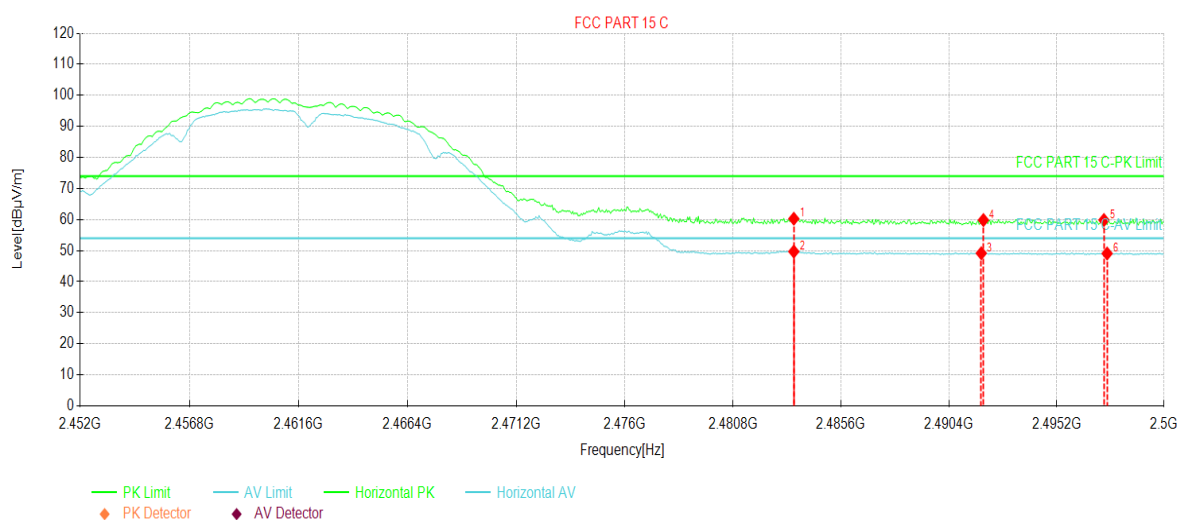


Suspected Data List										
NO	Freq. [MHz]	Reading [dBuV/m]	Level [dBuV/m]	Factor [dB]	Limit [dBuV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	2483.5	23.71	59.43	35.72	74.00	14.57	298	156	PK	Vertical
2	2483.5	13.76	49.48	35.72	54.00	4.52	306	155	AV	Vertical
3	2486.3	13.64	49.35	35.71	54.00	4.65	192	162	AV	Vertical
4	2486.6	24.39	60.10	35.71	74.00	13.90	189	158	PK	Vertical
5	2492.8	13.56	49.26	35.70	54.00	4.74	38	144	AV	Vertical
6	2493.0	24.65	60.35	35.70	74.00	13.65	42	149	PK	Vertical

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
- The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11b Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	DC 3.85V	Environment:	Temp: 24℃ Huni: 57%



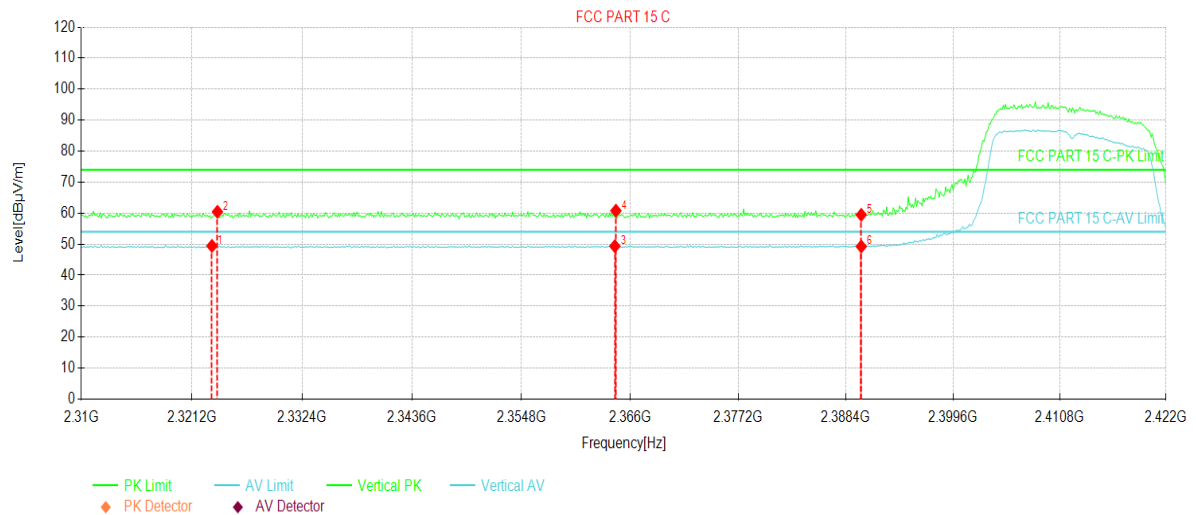
Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	2483.5	24.56	60.28	35.72	74.00	13.72	189	136	PK	Horizontal
2	2483.5	13.98	49.70	35.72	54.00	4.30	186	142	AV	Horizontal
3	2491.8	13.45	49.15	35.70	54.00	4.85	177	152	AV	Horizontal
4	2491.9	24.15	59.85	35.70	74.00	14.15	179	150	PK	Horizontal
5	2497.3	24.17	59.86	35.69	74.00	14.14	3	146	PK	Horizontal
6	2497.4	13.39	49.08	35.69	54.00	4.92	11	143	AV	Horizontal

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
- The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

802.11g mode:

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11g Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	DC 3.85V	Environment:	Temp: 24℃ Humi: 57%

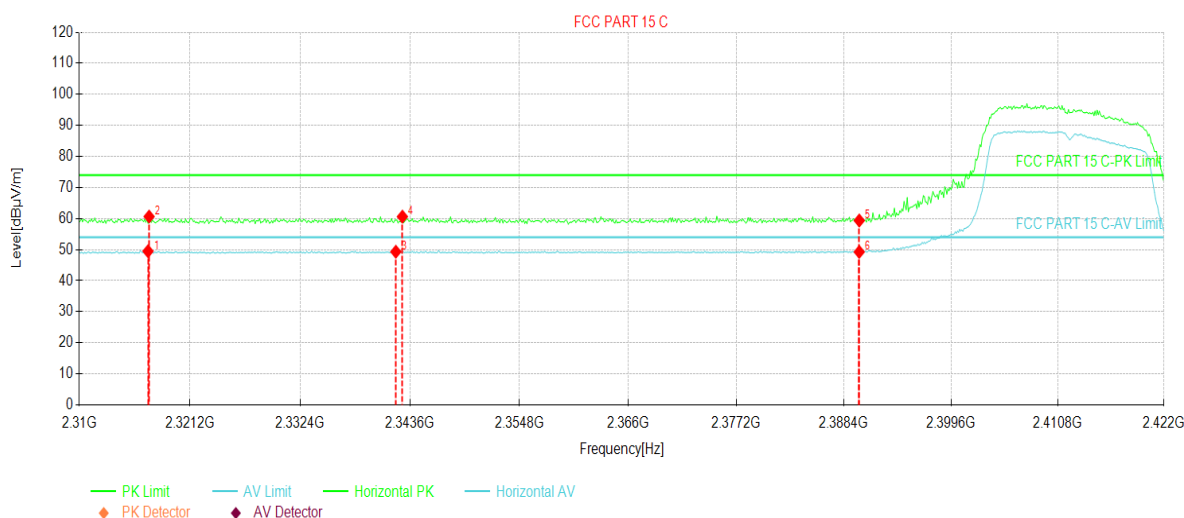


Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	2323.2	14.06	49.42	35.36	54.00	4.58	308	149	AV	Vertical
2	2323.7	25.08	60.45	35.37	74.00	13.55	332	153	PK	Vertical
3	2364.4	13.69	49.35	35.66	54.00	4.65	173	139	AV	Vertical
4	2364.5	25.14	60.80	35.66	74.00	13.20	167	141	PK	Vertical
5	2390.0	23.62	59.46	35.84	74.00	14.54	16	159	PK	Vertical
6	2390.0	13.41	49.25	35.84	54.00	4.75	3	158	AV	Vertical

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
- The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11g Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	DC 3.85V	Environment:	Temp: 24°C Humi: 57%

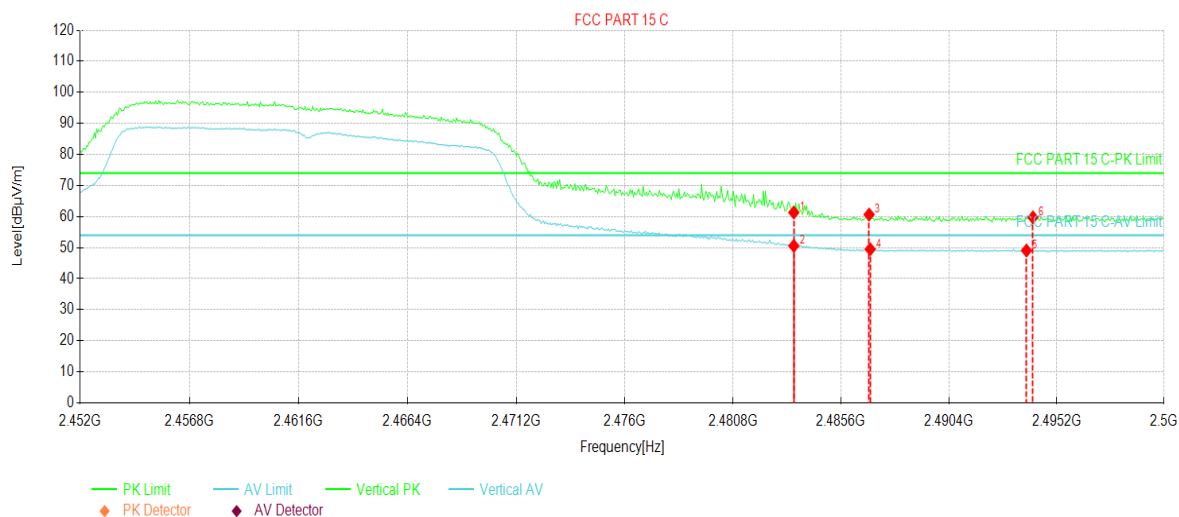


Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	2316.9	14.16	49.48	35.32	54.00	4.52	188	145	AV	Horizontal
2	2317.0	25.32	60.64	35.32	74.00	13.36	192	151	PK	Horizontal
3	2342.1	13.82	49.32	35.50	54.00	4.68	173	138	AV	Horizontal
4	2342.8	25.12	60.62	35.50	74.00	13.38	165	142	PK	Horizontal
5	2390.0	23.53	59.37	35.84	74.00	14.63	31	152	PK	Horizontal
6	2390.0	13.42	49.26	35.84	54.00	4.74	7	157	AV	Horizontal

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
- The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11g Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 3.85V	Environment:	Temp: 24°C Humi: 57%

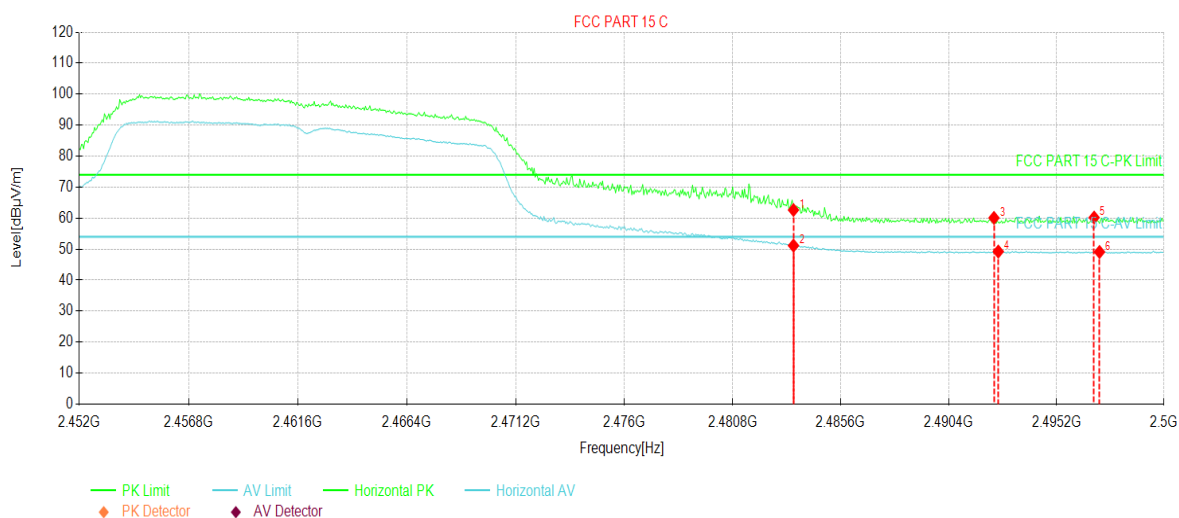


Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	2483.5	25.59	61.31	35.72	74.00	12.69	286	156	PK	Vertical
2	2483.5	14.84	50.56	35.72	54.00	3.44	303	155	AV	Vertical
3	2486.8	24.95	60.66	35.71	74.00	13.34	179	162	PK	Vertical
4	2486.8	13.78	49.49	35.71	54.00	4.51	180	158	AV	Vertical
5	2493.8	13.38	49.07	35.69	54.00	4.93	16	144	AV	Vertical
6	2494.1	24.07	59.76	35.69	74.00	14.24	24	149	PK	Vertical

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
- The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11g Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	DC 3.85V	Environment:	Temp: 24℃ Humi: 57%



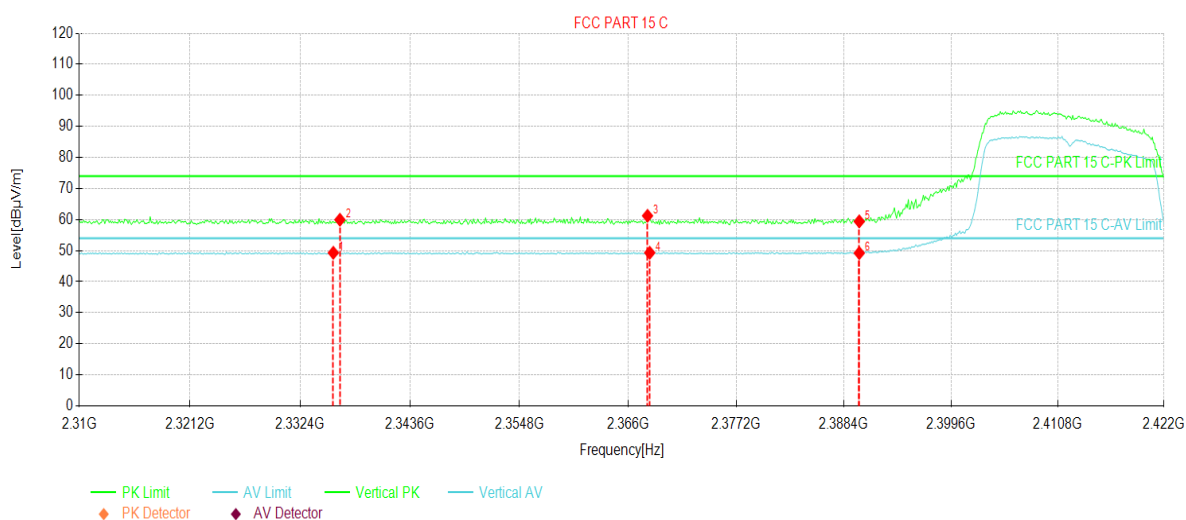
Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	2483.5	26.91	62.63	35.72	74.00	11.37	185	136	PK	Horizontal
2	2483.5	15.43	51.15	35.72	54.00	2.85	188	142	AV	Horizontal
3	2492.4	24.39	60.09	35.70	74.00	13.91	164	152	PK	Horizontal
4	2492.6	13.53	49.23	35.70	54.00	4.77	159	150	AV	Horizontal
5	2496.8	24.52	60.21	35.69	74.00	13.79	358	146	PK	Horizontal
6	2497.1	13.41	49.10	35.69	54.00	4.90	7	143	AV	Horizontal

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
- The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

802.11n(HT20):

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11n(HT20) Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	DC 3.85V	Environment:	Temp: 24℃ Huni: 57%

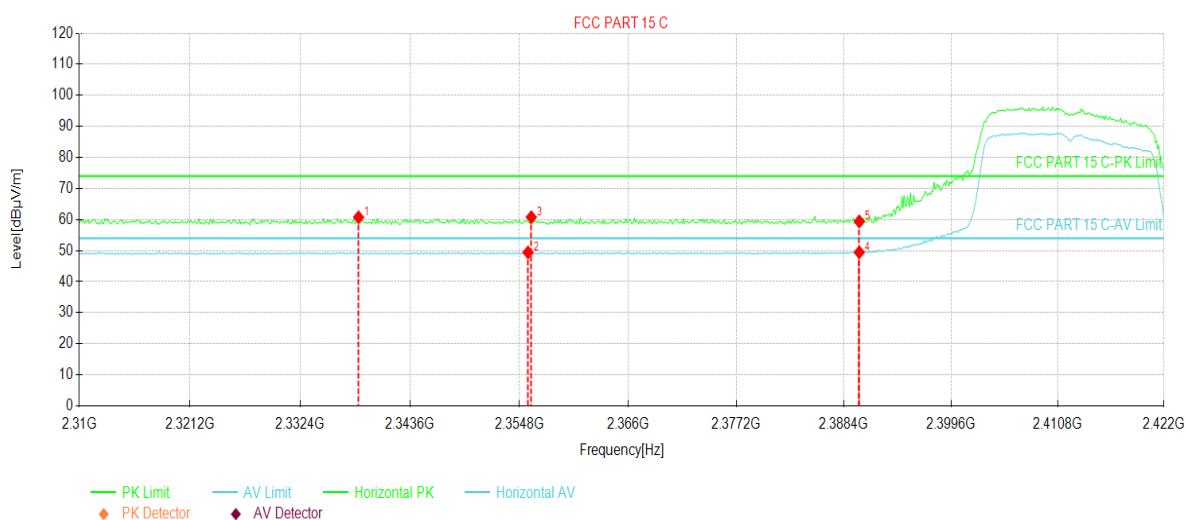


Suspected Data List										
NO	Freq. [MHz]	Reading [dBuV/m]	Level [dBuV/m]	Factor [dB]	Limit [dBuV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	2335.7	13.85	49.30	35.45	54.00	4.70	349	148	AV	Vertical
2	2336.4	24.47	59.93	35.46	74.00	14.07	339	133	PK	Vertical
3	2368.0	25.54	61.22	35.68	74.00	12.78	178	149	PK	Vertical
4	2368.2	13.63	49.31	35.68	54.00	4.69	169	146	AV	Vertical
5	2390.0	23.57	59.41	35.84	74.00	14.59	349	157	PK	Vertical
6	2390.0	13.37	49.21	35.84	54.00	4.79	356	153	AV	Vertical

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
- The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11n(HT20) Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	DC 3.85V	Environment:	Temp: 24°C Humi: 57%



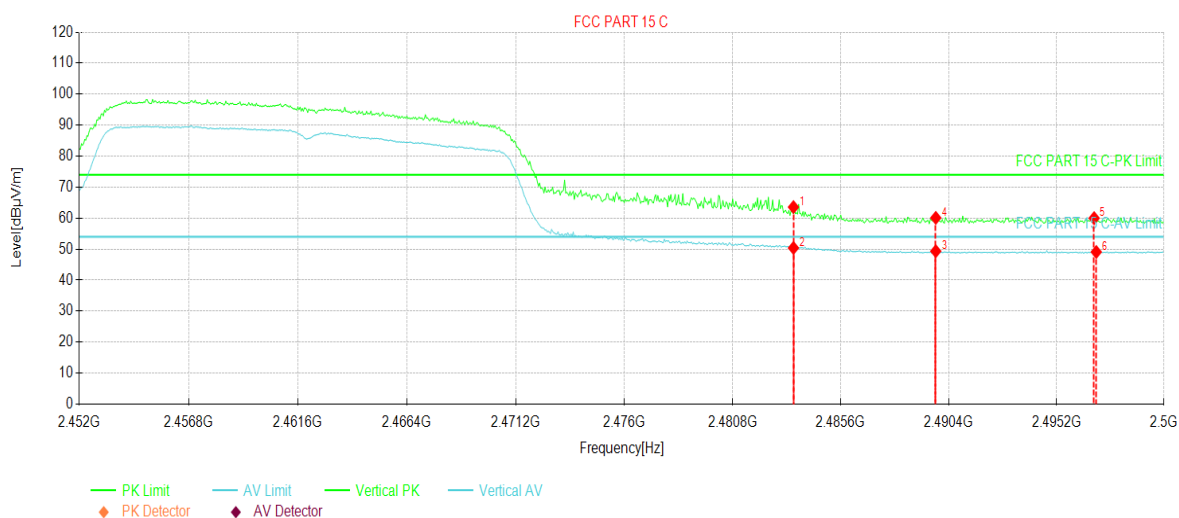
Suspected Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	2338.3	25.27	60.74	35.47	74.00	13.26	221	149	PK	Horizontal
2	2355.6	13.81	49.41	35.60	54.00	4.59	217	158	AV	Horizontal
3	2356.0	25.16	60.76	35.60	74.00	13.24	189	149	PK	Horizontal
4	2390.0	13.62	49.46	35.84	54.00	4.54	187	146	AV	Horizontal
5	2390.0	23.56	59.40	35.84	74.00	14.60	356	159	PK	Horizontal
6	2338.3	25.27	60.74	35.47	74.00	13.26	347	151	PK	Horizontal

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
- The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11n(HT20) Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 3.85V	Environment:	Temp: 24°C Humi: 57%



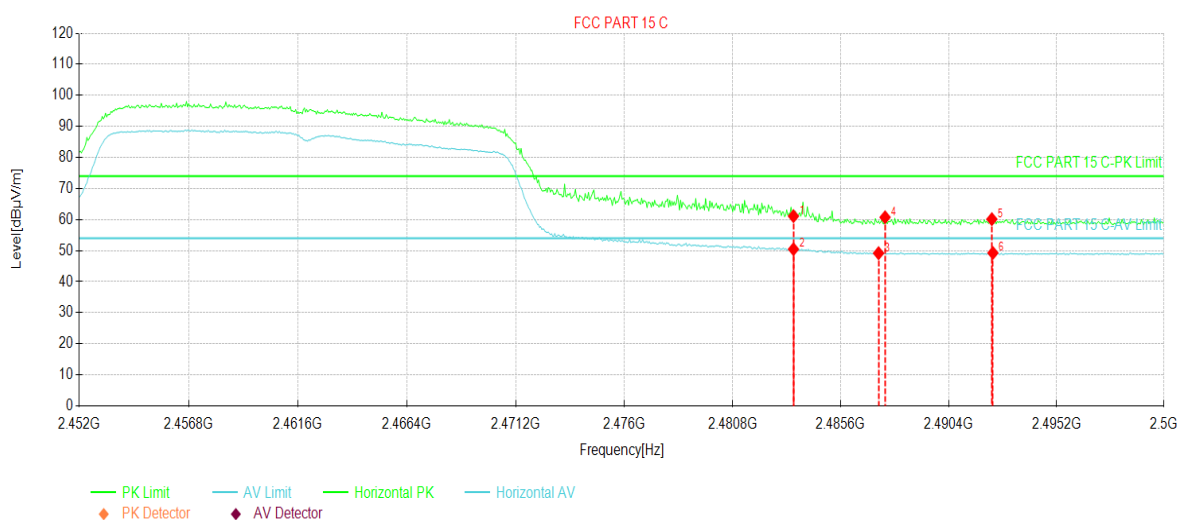
Suspected Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	2483.5	27.84	63.56	35.72	74.00	10.44	311	148	PK	Vertical
2	2483.5	14.66	50.38	35.72	54.00	3.62	308	150	AV	Vertical
3	2489.8	13.65	49.35	35.70	54.00	4.65	164	165	AV	Vertical
4	2489.8	24.40	60.10	35.70	74.00	13.90	159	159	PK	Vertical
5	2496.8	24.30	59.99	35.69	74.00	14.01	9	147	PK	Vertical
6	2496.9	13.40	49.09	35.69	54.00	4.91	359	145	AV	Vertical

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
- The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11n(HT20) Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	DC 3.85V	Environment:	Temp: 24°C Humi: 57%



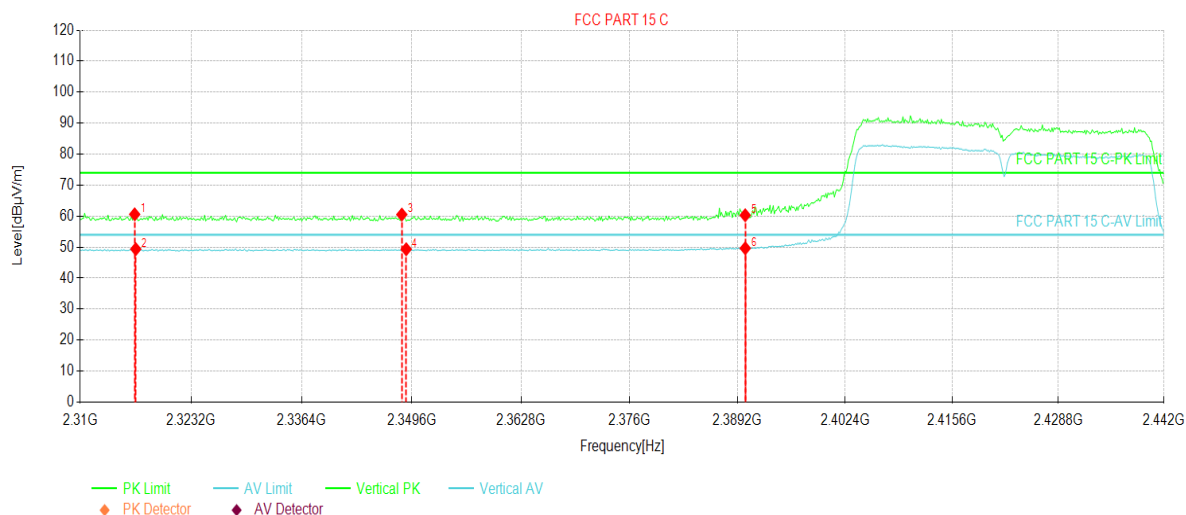
Suspected Data List										
NO	Freq. [MHz]	Reading [dBuV/m]	Level [dBuV/m]	Factor [dB]	Limit [dBuV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	2483.5	25.38	61.10	35.72	74.00	12.90	191	138	PK	Horizontal
2	2483.5	14.74	50.46	35.72	54.00	3.54	196	146	AV	Horizontal
3	2487.2	13.46	49.17	35.71	54.00	4.83	151	150	AV	Horizontal
4	2487.5	25.02	60.73	35.71	74.00	13.27	157	155	PK	Horizontal
5	2492.3	24.43	60.13	35.70	74.00	13.87	12	161	PK	Horizontal
6	2492.3	13.55	49.25	35.70	54.00	4.75	17	157	AV	Horizontal

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
- The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

802.11n(HT40):

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11n(HT40) Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	DC 3.85V	Environment:	Temp: 24°C Huni: 57%

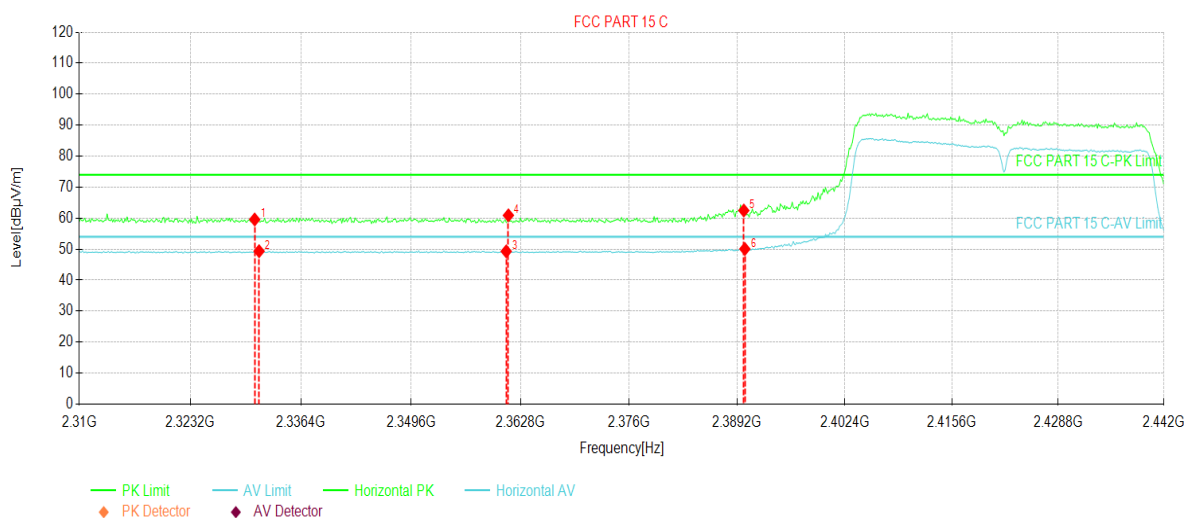


Suspected Data List										
NO	Freq. [MHz]	Reading [dBuV/m]	Level [dBuV/m]	Factor [dB]	Limit [dBuV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	2316.4	25.28	60.60	35.32	74.00	13.40	347	144	PK	Vertical
2	2316.6	14.05	49.37	35.32	54.00	4.63	352	147	AV	Vertical
3	2348.4	24.98	60.52	35.54	74.00	13.48	196	153	PK	Vertical
4	2348.9	13.77	49.32	35.55	54.00	4.68	187	151	AV	Vertical
5	2390.1	24.45	60.29	35.84	74.00	13.71	26	149	PK	Vertical
6	2390.1	13.80	49.64	35.84	54.00	4.36	18	155	AV	Vertical

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
- The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11n(HT40) Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	DC 3.85V	Environment:	Temp: 24℃ Humi: 57%



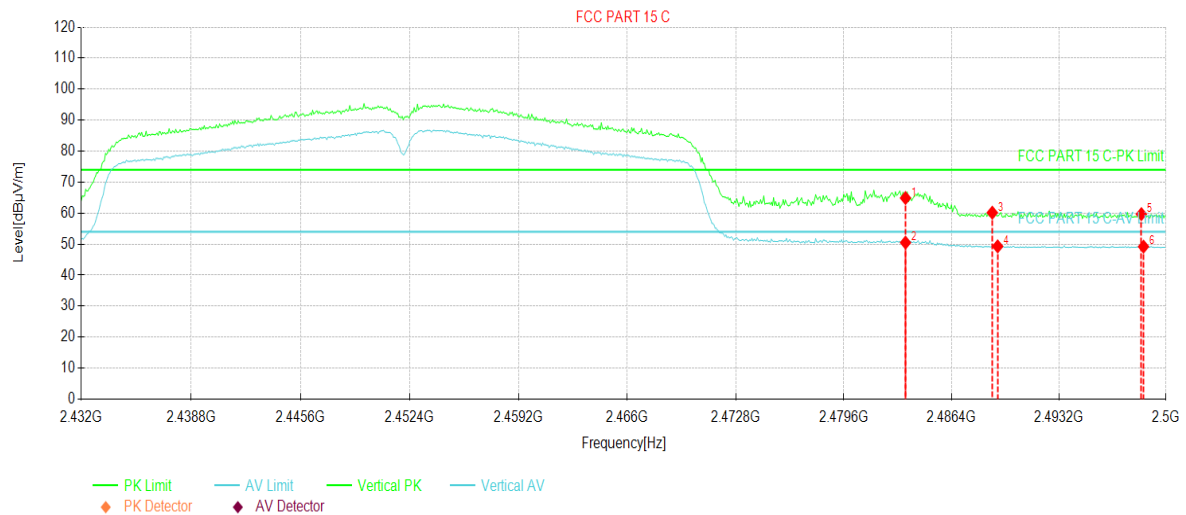
Suspected Data List

NO	Freq. [MHz]	Reading [dBuV/m]	Level [dBuV/m]	Factor [dB]	Limit [dBuV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	2330.8	24.16	59.58	35.42	74.00	14.42	179	136	PK	Horizontal
2	2331.3	13.94	49.36	35.42	54.00	4.64	183	142	AV	Horizontal
3	2361.0	13.65	49.28	35.63	54.00	4.72	174	152	AV	Horizontal
4	2361.3	25.27	60.91	35.64	74.00	13.09	169	150	PK	Horizontal
5	2390.0	26.63	62.47	35.84	74.00	11.53	22	146	PK	Horizontal
6	2390.1	14.22	50.06	35.84	54.00	3.94	18	143	AV	Horizontal

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
- The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11n(HT40) Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 3.85V	Environment:	Temp: 24°C Humi: 57%

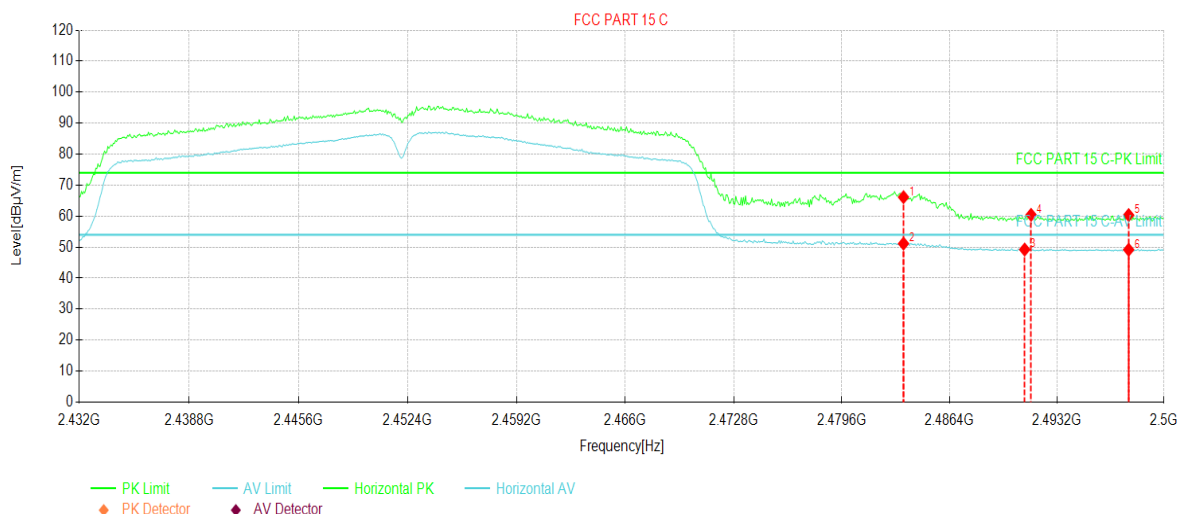


Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	2483.5	29.16	64.88	35.72	74.00	9.12	353	143	PK	Vertical
2	2483.5	14.77	50.49	35.72	54.00	3.51	346	139	AV	Vertical
3	2488.9	24.45	60.16	35.71	74.00	13.84	180	156	PK	Vertical
4	2489.3	13.59	49.29	35.70	54.00	4.71	186	160	AV	Vertical
5	2498.4	24.01	59.69	35.68	74.00	14.31	36	144	PK	Vertical
6	2498.5	13.52	49.20	35.68	54.00	4.80	27	148	AV	Vertical

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
- The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11n(HT40) Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	DC 3.85V	Environment:	Temp: 24°C Huni: 57%



Suspected Data List

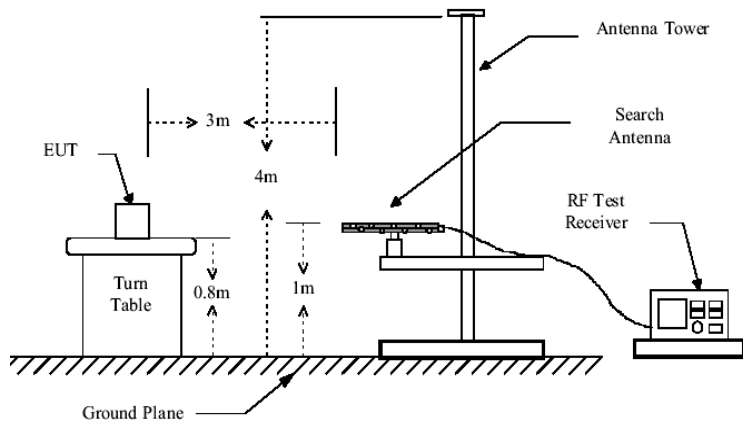
NO	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	2483.5	30.41	66.13	35.72	74.00	7.87	186	136	PK	Horizontal
2	2483.5	15.42	51.14	35.72	54.00	2.86	181	142	AV	Horizontal
3	2491.1	13.53	49.23	35.70	54.00	4.77	169	152	AV	Horizontal
4	2491.5	24.74	60.44	35.70	74.00	13.56	158	150	PK	Horizontal
5	2497.7	24.66	60.35	35.69	74.00	13.65	6	146	PK	Horizontal
6	2497.7	13.48	49.17	35.69	54.00	4.83	11	143	AV	Horizontal

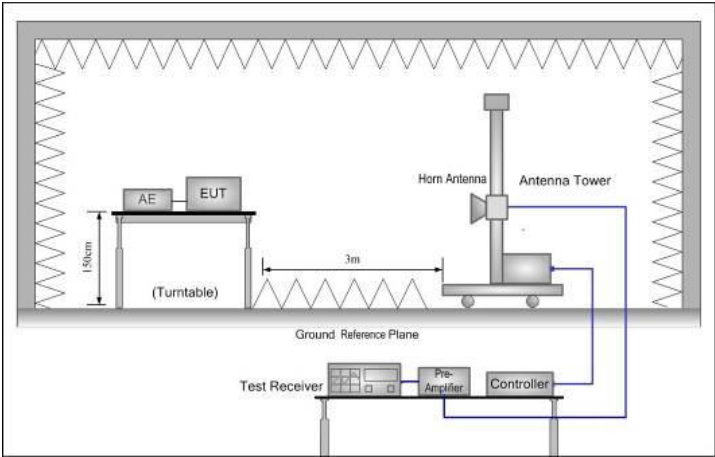
Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
- The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

6.4 Spurious Emission

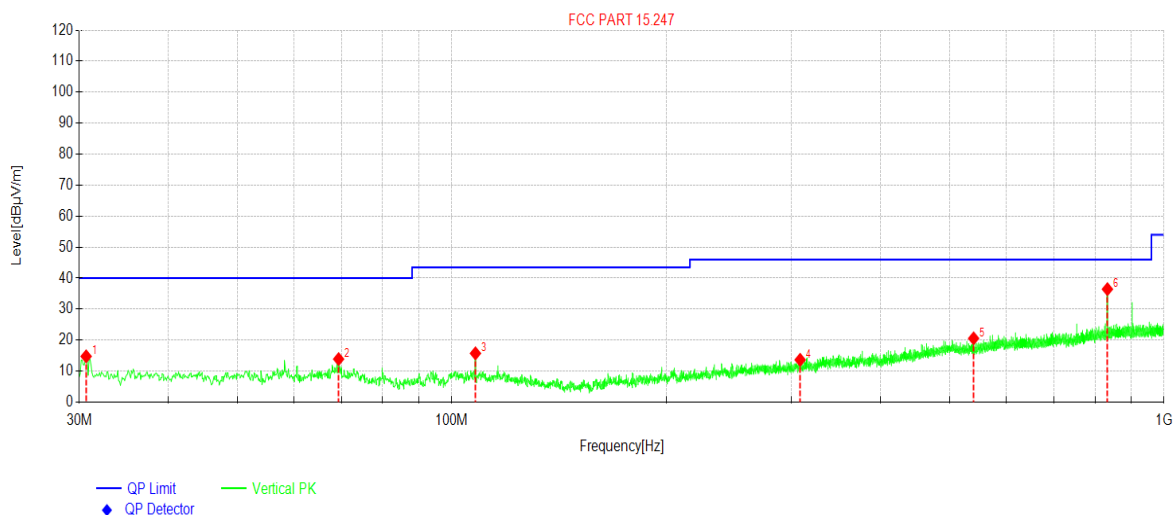
6.4.1 Radiated Emission Method

Test Requirement:	FCC Part 15 C Section 15.209 and 15.205				
Test Frequency Range:	9kHz to 25GHz				
Test Distance:	3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Remark
	30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
RMS		1MHz	3MHz	Average Value	
Limit:	Frequency	Limit (dBuV/m @3m)			Remark
	30MHz-88MHz	40.0			Quasi-peak Value
	88MHz-216MHz	43.5			Quasi-peak Value
	216MHz-960MHz	46.0			Quasi-peak Value
	960MHz-1GHz	54.0			Quasi-peak Value
	Above 1GHz	54.0			Average Value
74.0			Peak Value		
Test Procedure:	<div>1. The EUT was placed on the top of a rotating table 0.8m(below 1GHz)/1.5m(above 1GHz) above the ground at a 3 meter chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</div> <div>2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</div> <div>3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</div> <div>4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.</div> <div>5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</div> <div>6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</div>				
Test setup:	<div>Below 1GHz</div> <div></div> <div>Above 1GHz</div>				

	
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Remark:	<ol style="list-style-type: none"> 1. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis is the worst case. 2. 9 kHz to 30MHz is lower than the limit 20dB, so only shows the data of above 30MHz in this report.

Measurement Data (worst case):
Below 1GHz:

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	Wi-Fi Tx mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	DC 3.85V	Environment:	Temp: 24℃ Humi: 57%

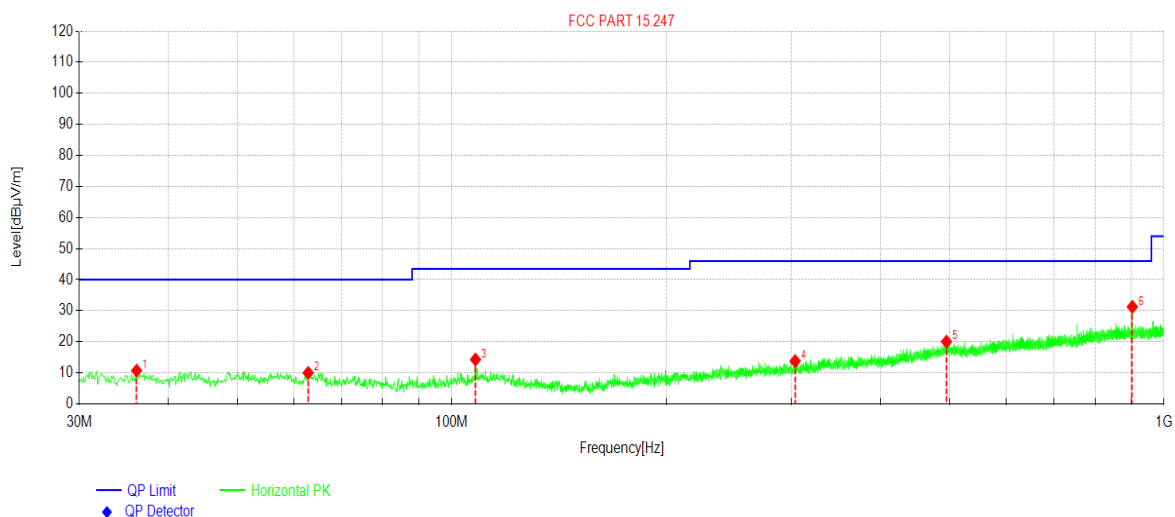


NO	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Height [cm]	Polarity
1	30.679	30.77	14.77	-16.00	40.00	25.23	159	103	Vertical
2	69.385	30.66	13.88	-16.78	40.00	26.12	192	109	Vertical
3	107.99	31.67	15.73	-15.94	43.50	27.77	315	115	Vertical
4	308.41	26.12	13.65	-12.47	46.00	32.35	276	120	Vertical
5	540.36	27.36	20.56	-6.80	46.00	25.44	46	133	Vertical
6	832.94	38.39	36.44	-1.95	46.00	9.56	208	124	Vertical

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.
3. The Aux Factor is a notch filter switch box loss, this item is not used.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	Wi-Fi Tx mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	DC 3.85V	Environment:	Temp: 24℃ Humi: 57%



NO	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Height [cm]	Polarity
1	36.111	25.60	10.71	-14.89	40.00	29.29	285	115	Horizontal
2	62.886	25.35	9.98	-15.37	40.00	30.02	359	129	Horizontal
3	107.99	30.23	14.29	-15.94	43.50	29.21	246	130	Horizontal
4	303.47	26.39	13.78	-12.61	46.00	32.22	212	124	Horizontal
5	494.96	27.18	20.04	-7.14	46.00	25.96	187	107	Horizontal
6	902.69	32.62	31.25	-1.37	46.00	14.75	162	101	Horizontal

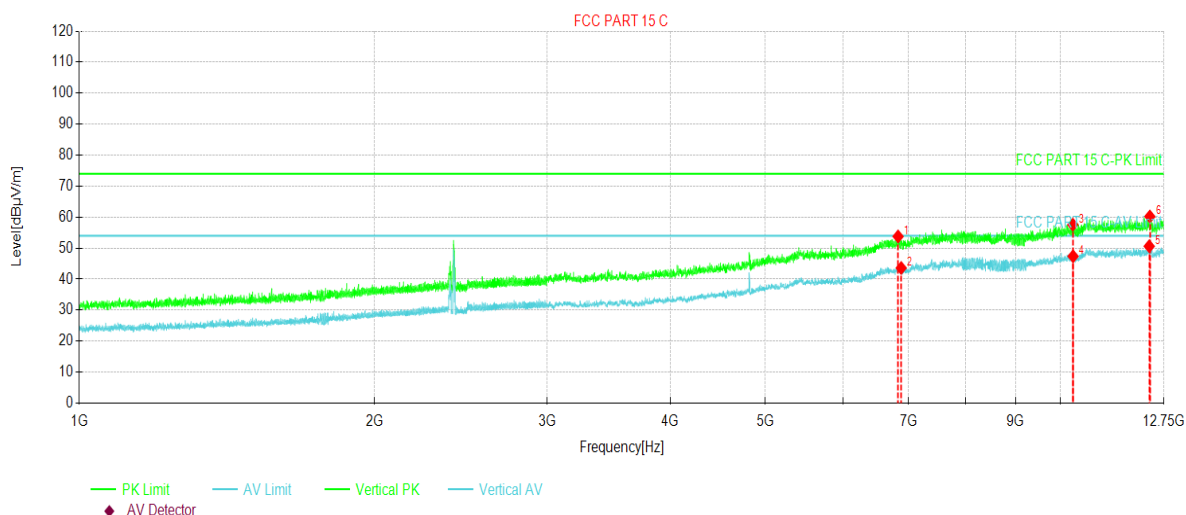
Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
- The emission levels of other frequencies are lower than the limit 20dB and not show in test report.
- The Aux Factor is a notch filter switch box loss, this item is not used.

Above 1GHz

Remark: When testing spurs above 1GHz, use Band Reject Filter Group to filter out fundamental signal

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11b Low CH
Test Frequency:	1 GHz ~ 25 GHz	Polarization:	Vertical
Test Voltage:	DC 3.85V	Environment:	Temp: 24℃ Humi: 57%

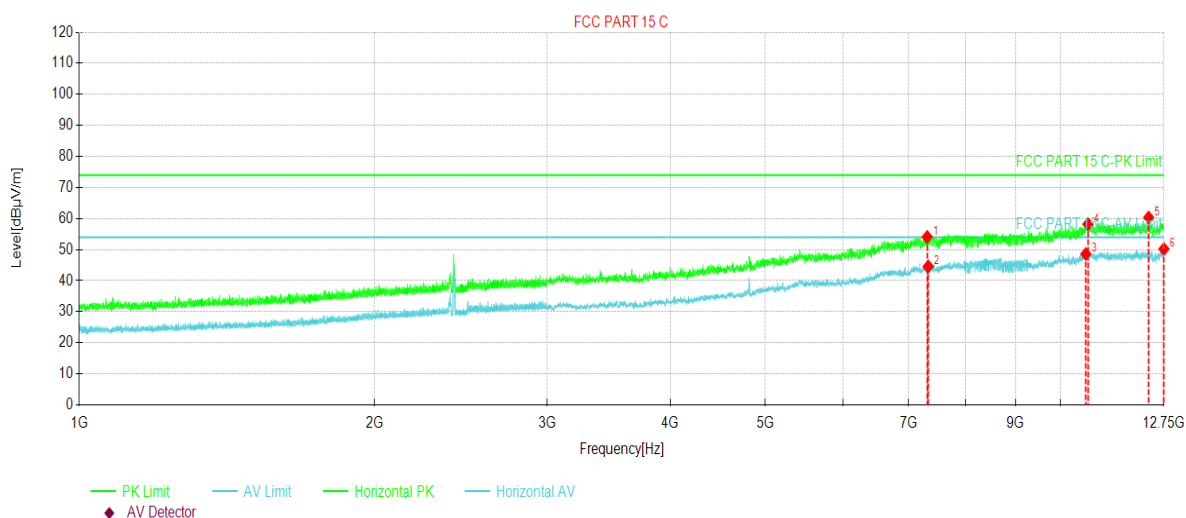


Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	6831.7	55.12	53.77	-1.35	74.00	20.23	65	141	PK	Vertical
2	6881.7	44.89	43.60	-1.29	54.00	10.40	93	130	AV	Vertical
3	10294.	51.36	57.57	6.21	74.00	16.43	142	152	PK	Vertical
4	10300.	41.13	47.37	6.24	54.00	6.63	170	162	AV	Vertical
5	12316.	42.78	50.61	7.83	54.00	3.39	310	148	AV	Vertical
6	12334.	52.37	60.20	7.83	74.00	13.80	346	140	PK	Vertical

Remark:

- Final Level = Receiver Read level + Factor (Antenna Factor + Cable Loss – Preamplifier Factor).
- The emission levels of above 12.75GHz are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11b Low CH
Test Frequency:	1 GHz ~ 25 GHz	Polarization:	Horizontal
Test Voltage:	DC 3.85V	Environment:	Temp: 24℃ Huni: 57%

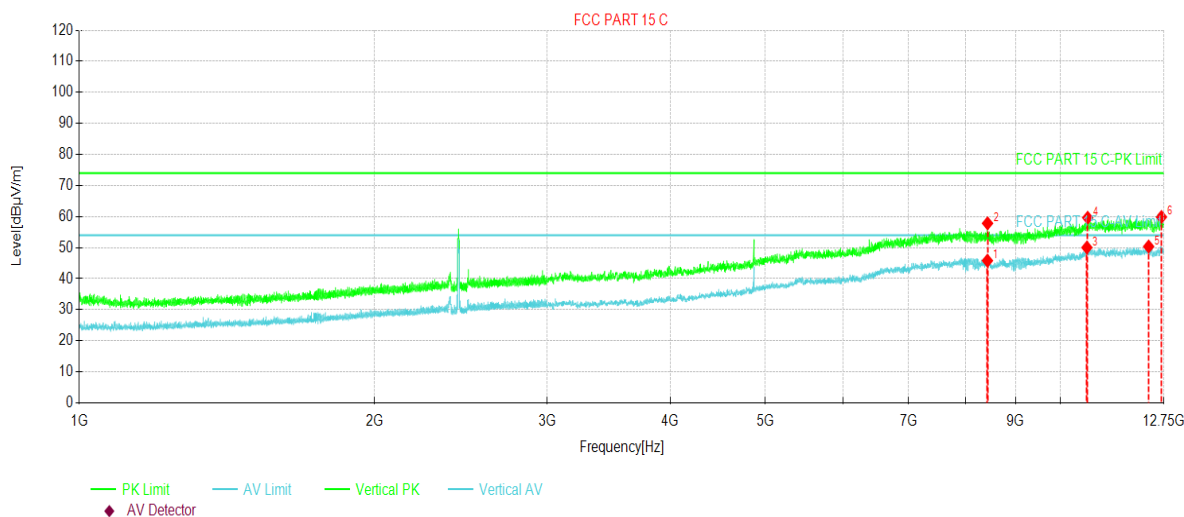


Suspected Data List										
NO	Freq. [MHz]	Reading [dBuV/m]	Level [dBuV/m]	Factor [dB]	Limit [dBuV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	7314.3	54.14	54.08	-0.06	74.00	19.92	46	133	PK	Horizontal
2	7332.6	44.55	44.56	0.01	54.00	9.44	98	138	AV	Horizontal
3	10613.	41.60	48.58	6.98	54.00	5.42	150	146	AV	Horizontal
4	10667.	51.06	58.21	7.15	74.00	15.79	141	151	PK	Horizontal
5	12299.	52.50	60.33	7.83	74.00	13.67	247	160	PK	Horizontal
6	12747.	41.80	50.22	8.42	54.00	3.78	210	152	AV	Horizontal

Remark:

- Final Level = Receiver Read level + Factor (Antenna Factor + Cable Loss – Preamplifier Factor).
- The emission levels of above 12.75GHz are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11b Mid CH
Test Frequency:	1 GHz ~ 25 GHz	Polarization:	Vertical
Test Voltage:	DC 3.85V	Environment:	Temp: 24℃ Humi: 57%

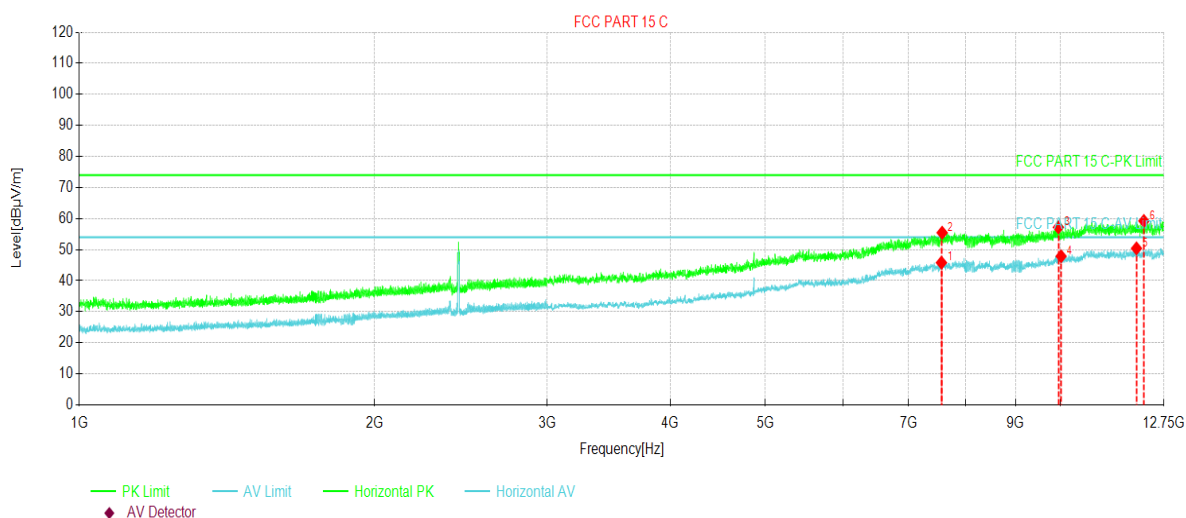


Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	8424.6	44.20	45.80	1.60	54.00	8.20	129	121	AV	Vertical
2	8427.0	56.23	57.82	1.59	74.00	16.18	105	138	PK	Vertical
3	10640.	42.96	50.03	7.07	54.00	3.97	256	146	AV	Vertical
4	10659.	52.48	59.61	7.13	74.00	14.39	241	155	PK	Vertical
5	12299.	42.51	50.34	7.83	54.00	3.66	289	160	AV	Vertical
6	12673.	51.58	59.87	8.29	74.00	14.13	315	164	PK	Vertical

Remark:

- Final Level = Receiver Read level + Factor (Antenna Factor + Cable Loss – Preamplifier Factor).
- The emission levels of above 12.75GHz are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11b Mid CH
Test Frequency:	1 GHz ~ 25 GHz	Polarization:	Horizontal
Test Voltage:	DC 3.85V	Environment:	Temp: 24°C Humi: 57%



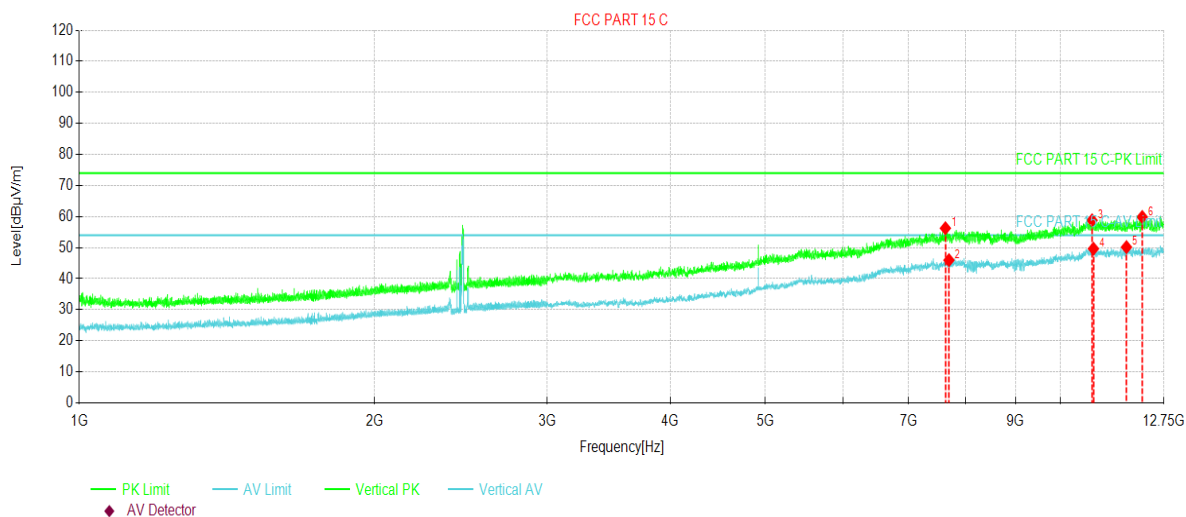
Suspected Data List

NO	Freq. [MHz]	Reading [dBuV/m]	Level [dBuV/m]	Factor [dB]	Limit [dBuV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	7563.0	45.14	45.79	0.65	54.00	8.21	284	142	AV	Horizontal
2	7575.1	54.68	55.45	0.77	74.00	18.55	261	151	PK	Horizontal
3	9951.7	52.18	57.19	5.01	74.00	16.81	146	136	PK	Horizontal
4	10015.	42.92	47.85	4.93	54.00	6.15	152	146	AV	Horizontal
5	11952.	42.77	50.39	7.62	54.00	3.61	319	153	AV	Horizontal
6	12162.	51.60	59.23	7.63	74.00	14.77	331	166	PK	Horizontal

Remark:

- Final Level = Receiver Read level + Factor (Antenna Factor + Cable Loss – Preamplifier Factor).
- The emission levels of above 12.75GHz are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11b High CH
Test Frequency:	1 GHz ~ 25 GHz	Polarization:	Vertical
Test Voltage:	DC 3.85V	Environment:	Temp: 24℃ Humi: 57%

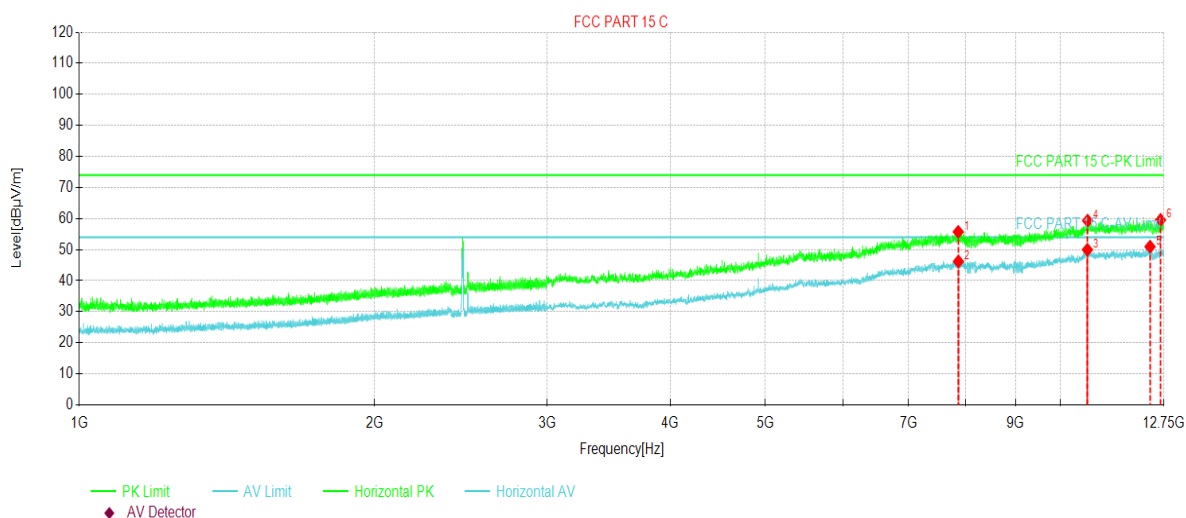


Suspected Data List											
NO	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity	
1	7633.6	55.37	56.24	0.87	74.00	17.76	159	142	PK	Vertical	
2	7698.2	45.41	45.97	0.56	54.00	8.03	167	152	AV	Vertical	
3	10769.	51.63	58.81	7.18	74.00	15.19	190	132	PK	Vertical	
4	10804.	42.50	49.65	7.15	54.00	4.35	203	150	AV	Vertical	
5	11675.	42.29	50.16	7.87	54.00	3.84	343	162	AV	Vertical	
6	12115.	52.56	59.86	7.30	74.00	14.14	310	147	PK	Vertical	

Remark:

- Final Level = Receiver Read level + Factor (Antenna Factor + Cable Loss – Preamplifier Factor).
- The emission levels of above 12.75GHz are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11b High CH
Test Frequency:	1 GHz ~ 25 GHz	Polarization:	Horizontal
Test Voltage:	DC 3.85V	Environment:	Temp: 24°C Huni: 57%

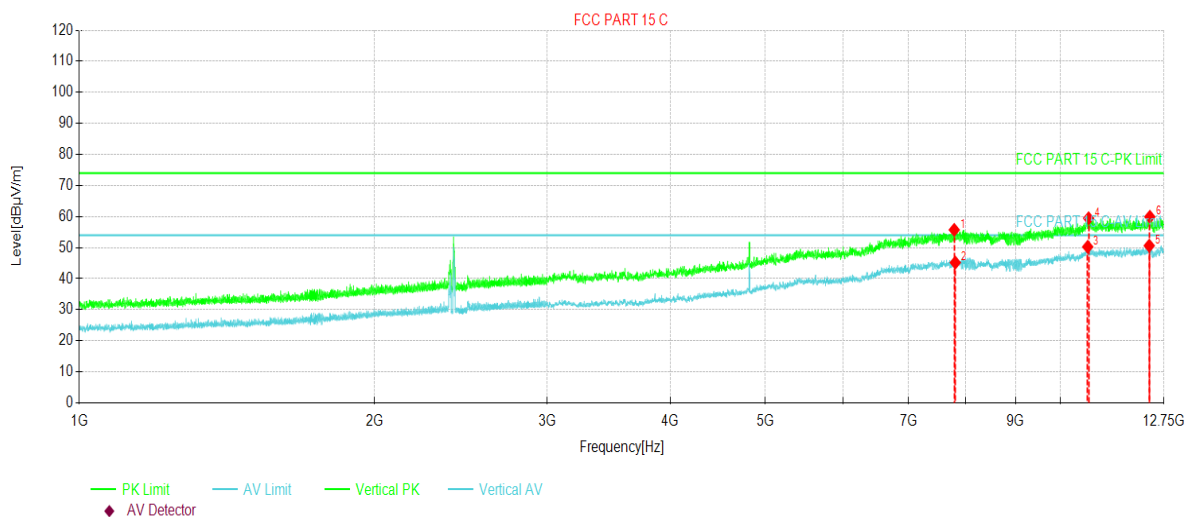


Suspected Data List										
NO	Freq. [MHz]	Reading [dBuV/m]	Level [dBuV/m]	Factor [dB]	Limit [dBuV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	7866.4	54.72	55.73	1.01	74.00	18.27	54	141	PK	Horizontal
2	7870.1	45.17	46.18	1.01	54.00	7.82	80	135	AV	Horizontal
3	10652.	42.86	49.97	7.11	54.00	4.03	325	148	AV	Horizontal
4	10657.	52.20	59.32	7.12	74.00	14.68	301	140	PK	Horizontal
5	12339.	43.11	50.94	7.83	54.00	3.06	268	156	AV	Horizontal
6	12648.	51.36	59.57	8.21	74.00	14.43	295	167	PK	Horizontal

Remark:

- Final Level = Receiver Read level + Factor (Antenna Factor + Cable Loss – Preamplifier Factor).
- The emission levels of above 12.75GHz are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11g Low CH
Test Frequency:	1 GHz ~ 25 GHz	Polarization:	Vertical
Test Voltage:	DC 3.85V	Environment:	Temp: 24℃ Huni: 57%

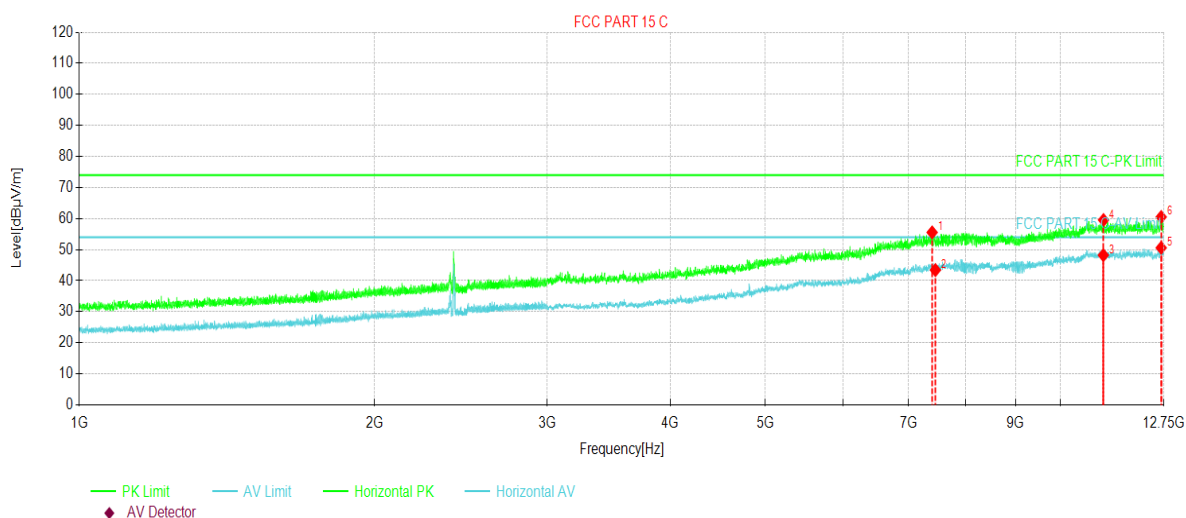


Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	7793.3	54.73	55.72	0.99	74.00	18.28	315	146	PK	Vertical
2	7812.8	44.16	45.18	1.02	54.00	8.82	287	139	AV	Vertical
3	10659.	43.13	50.26	7.13	54.00	3.74	45	130	AV	Vertical
4	10683.	52.23	59.44	7.21	74.00	14.56	70	145	PK	Vertical
5	12316.	42.79	50.62	7.83	54.00	3.38	223	154	AV	Vertical
6	12333.	52.08	59.91	7.83	74.00	14.09	210	148	PK	Vertical

Remark:

- Final Level = Receiver Read level + Factor (Antenna Factor + Cable Loss – Preamplifier Factor).
- The emission levels of above 12.75GHz are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11g Low CH
Test Frequency:	1 GHz ~ 25 GHz	Polarization:	Horizontal
Test Voltage:	DC 3.85V	Environment:	Temp: 24°C Humi: 57%

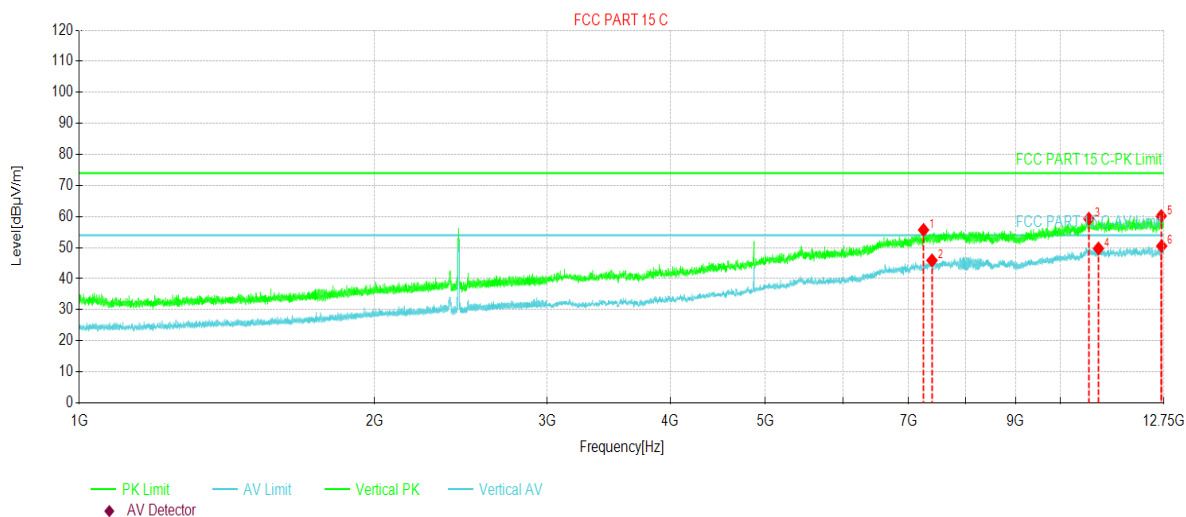


Suspected Data List										
NO	Freq. [MHz]	Reading [dBuV/m]	Level [dBuV/m]	Factor [dB]	Limit [dBuV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	7399.6	55.28	55.55	0.27	74.00	18.45	19	136	PK	Horizontal
2	7456.9	43.30	43.42	0.12	54.00	10.58	32	141	AV	Horizontal
3	11058.	40.95	48.21	7.26	54.00	5.79	146	146	AV	Horizontal
4	11063.	52.29	59.53	7.24	74.00	14.47	172	152	PK	Horizontal
5	12665.	42.31	50.58	8.27	54.00	3.42	202	161	AV	Horizontal
6	12667.	52.24	60.51	8.27	74.00	13.49	241	154	PK	Horizontal

Remark:

- Final Level = Receiver Read level + Factor (Antenna Factor + Cable Loss – Preamplifier Factor).
- The emission levels of above 12.75GHz are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11g Mid CH
Test Frequency:	1 GHz ~ 25 GHz	Polarization:	Vertical
Test Voltage:	DC 3.85V	Environment:	Temp: 24℃ Humi: 57%



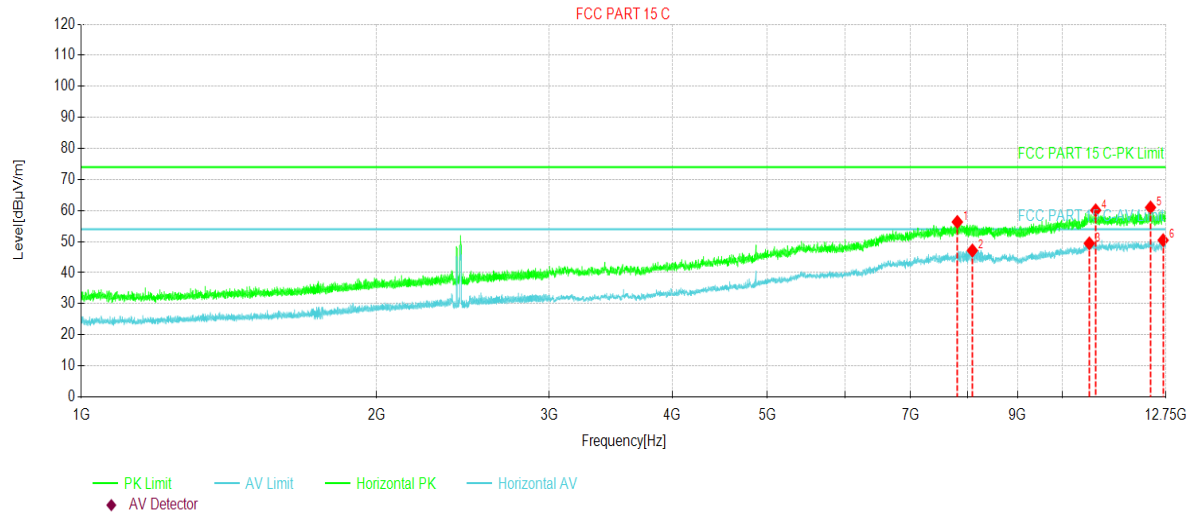
Suspected Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	7252.2	55.78	55.70	-0.08	74.00	18.30	82	133	PK	Vertical
2	7397.2	45.62	45.88	0.26	54.00	8.12	91	139	AV	Vertical
3	10689.	52.06	59.29	7.23	74.00	14.71	241	146	PK	Vertical
4	10932.	42.34	49.70	7.36	54.00	4.30	263	151	AV	Vertical
5	12667.	51.88	60.15	8.27	74.00	13.85	290	168	PK	Vertical
6	12681.	42.18	50.50	8.32	54.00	3.50	240	159	AV	Vertical

Remark:

- Final Level = Receiver Read level + Factor (Antenna Factor + Cable Loss – Preamplifier Factor).
- The emission levels of above 12.75GHz are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11g Mid CH
Test Frequency:	1 GHz ~ 25 GHz	Polarization:	Horizontal
Test Voltage:	DC 3.85V	Environment:	Temp: 24℃ Humi: 57%



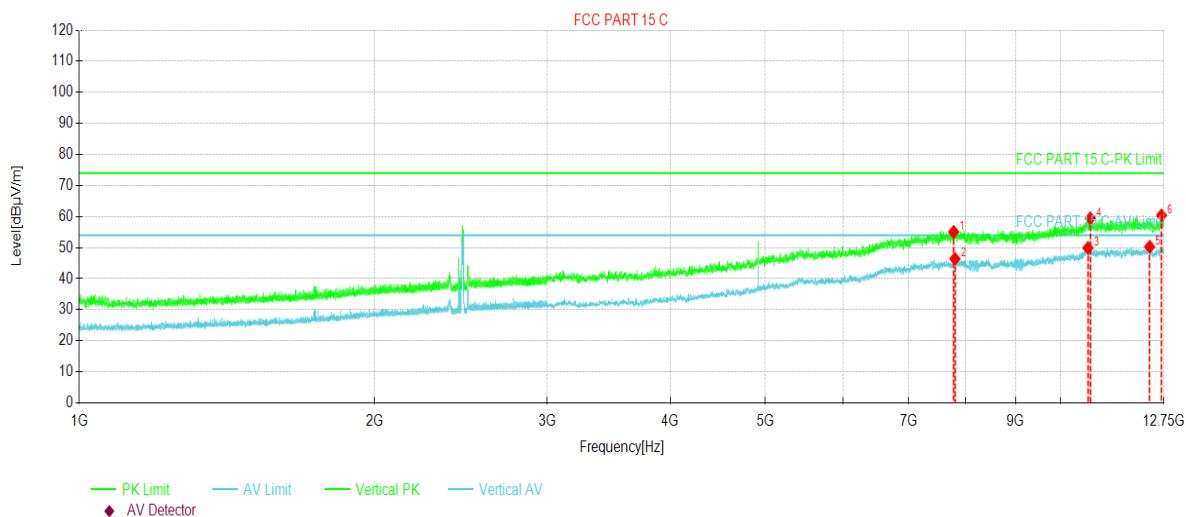
Suspected Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	7814.0	55.31	56.33	1.02	74.00	17.67	319	142	PK	Horizontal
2	8094.3	46.33	47.14	0.81	54.00	6.86	284	135	AV	Horizontal
3	10650.	42.33	49.43	7.10	54.00	4.57	290	156	AV	Horizontal
4	10810.	52.91	60.07	7.16	74.00	13.93	245	161	PK	Horizontal
5	12295.	53.16	60.99	7.83	74.00	13.01	56	158	PK	Horizontal
6	12665.	42.18	50.45	8.27	54.00	3.55	47	150	AV	Horizontal

Remark:

- Final Level = Receiver Read level + Factor (Antenna Factor + Cable Loss – Preamplifier Factor).
- The emission levels of above 12.75GHz are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11g High CH
Test Frequency:	1 GHz ~ 25 GHz	Polarization:	Vertical
Test Voltage:	DC 3.85V	Environment:	Temp: 24℃ Huni: 57%

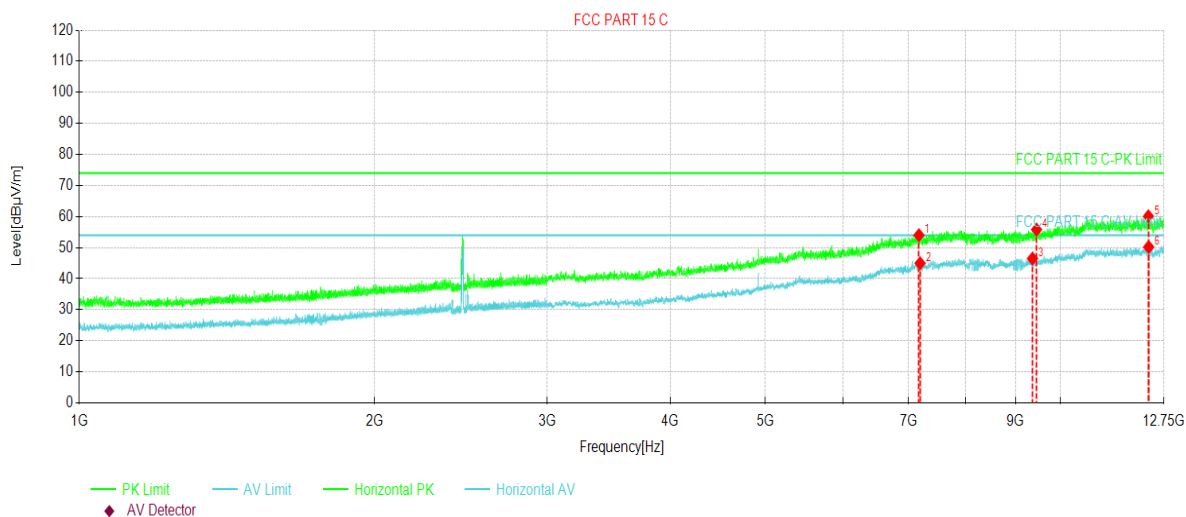


NO	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	7783.5	54.12	55.06	0.94	74.00	18.94	95	132	PK	Vertical
2	7806.7	45.35	46.37	1.02	54.00	7.63	106	146	AV	Vertical
3	10667	42.75	49.90	7.15	54.00	4.10	128	151	AV	Vertical
4	10724	52.22	59.45	7.23	74.00	14.55	169	158	PK	Vertical
5	12329	42.44	50.27	7.83	54.00	3.73	248	160	PK	Vertical
6	12676	52.07	60.37	8.30	74.00	13.63	269	165	AV	Vertical

Remark:

- Final Level = Receiver Read level + Factor (Antenna Factor + Cable Loss – Pre-amplifier Factor).
- The emission levels of above 12.75GHz are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11g High CH
Test Frequency:	1 GHz ~ 25 GHz	Polarization:	Horizontal
Test Voltage:	DC 3.85V	Environment:	Temp: 24℃ Huni: 57%



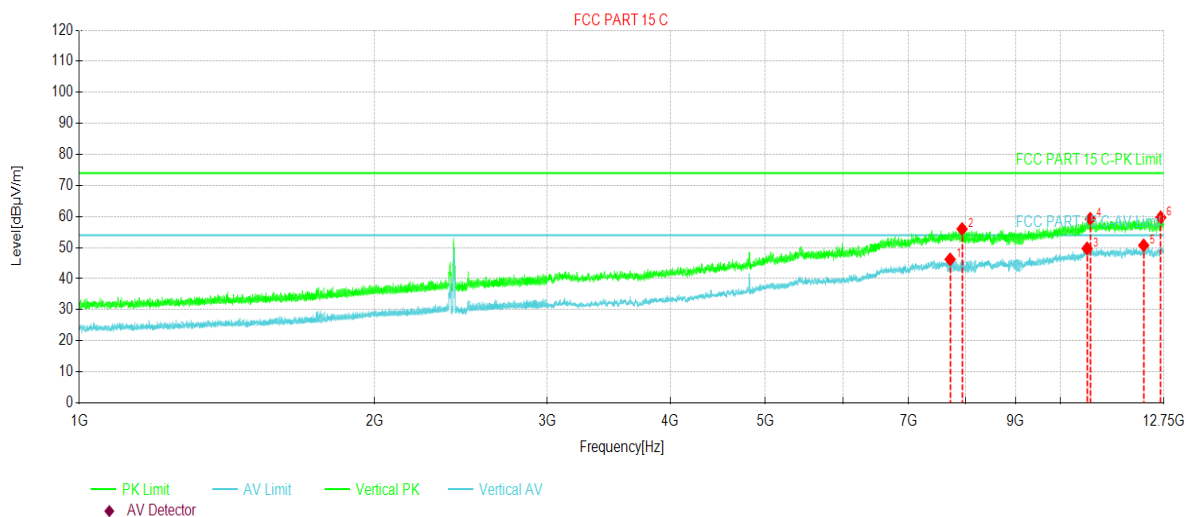
Suspected Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	7174.2	54.07	54.01	-0.06	74.00	19.99	68	147	PK	Horizontal
2	7193.7	45.03	44.98	-0.05	54.00	9.02	80	132	AV	Horizontal
3	9364.3	43.39	46.50	3.11	54.00	7.50	147	156	AV	Horizontal
4	9453.2	52.67	55.81	3.14	74.00	18.19	169	142	PK	Horizontal
5	12290.	52.27	60.10	7.83	74.00	13.90	257	168	PK	Horizontal
6	12300.	42.36	50.19	7.83	54.00	3.81	230	150	AV	Horizontal

Remark:

- Final Level = Receiver Read level + Factor (Antenna Factor + Cable Loss – Preamplifier Factor).
- The emission levels of above 12.75GHz are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11n20 Low CH
Test Frequency:	1 GHz ~ 25 GHz	Polarization:	Vertical
Test Voltage:	DC 3.85V	Environment:	Temp: 24℃ Humi: 57%

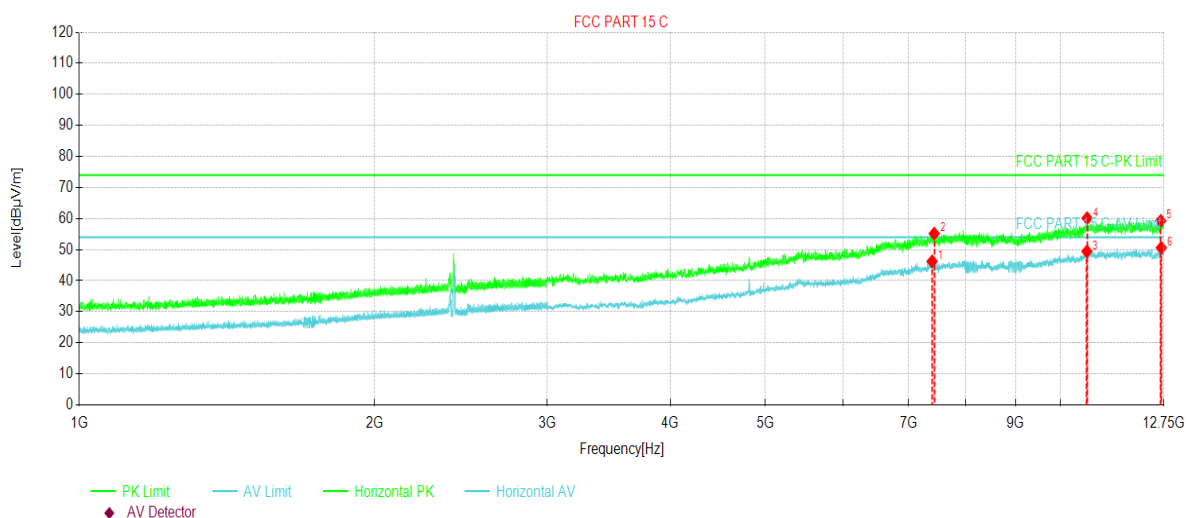


Suspected Data List										
NO	Freq. [MHz]	Reading [dBuV/m]	Level [dBuV/m]	Factor [dB]	Limit [dBuV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	7719.0	45.56	46.20	0.64	54.00	7.80	98	132	AV	Vertical
2	7938.3	55.03	56.00	0.97	74.00	18.00	106	147	PK	Vertical
3	10645.	42.64	49.72	7.08	54.00	4.28	23	153	AV	Vertical
4	10723.	52.04	59.27	7.23	74.00	14.73	356	159	PK	Vertical
5	12156.	43.15	50.73	7.58	54.00	3.27	278	161	AV	Vertical
6	12652.	51.52	59.74	8.22	74.00	14.26	215	159	PK	Vertical

Remark:

- Final Level = Receiver Read level + Factor (Antenna Factor + Cable Loss – Preamplifier Factor).
- The emission levels of above 12.75GHz are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11n20 Low CH
Test Frequency:	1 GHz ~ 25 GHz	Polarization:	Horizontal
Test Voltage:	DC 3.85V	Environment:	Temp: 24℃ Huni: 57%

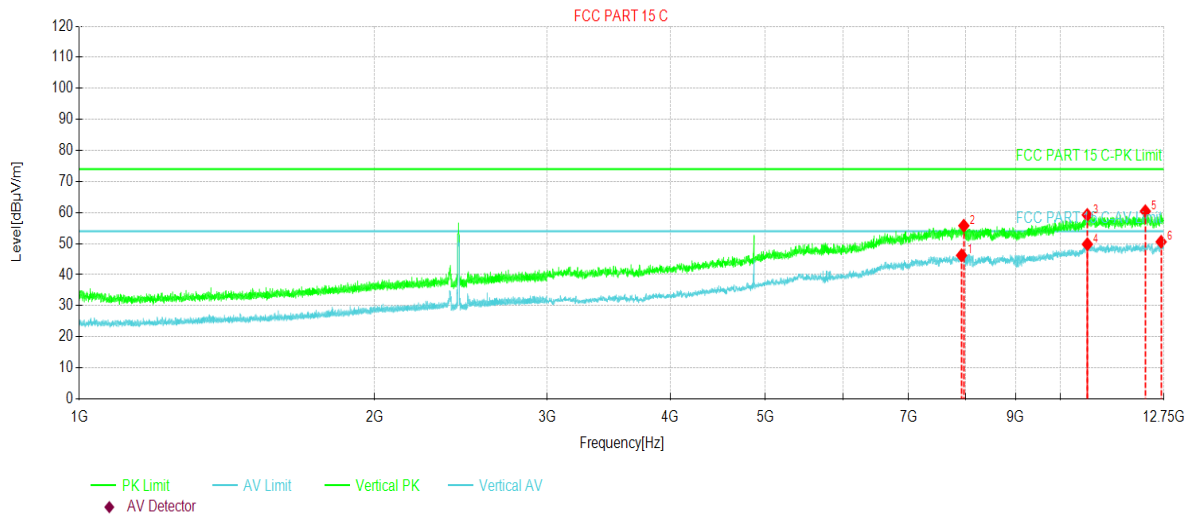


Suspected Data List										
NO	Freq. [MHz]	Reading [dBuV/m]	Level [dBuV/m]	Factor [dB]	Limit [dBuV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	7398.4	45.94	46.20	0.26	54.00	7.80	167	131	AV	Horizontal
2	7436.2	54.99	55.16	0.17	74.00	18.84	190	140	PK	Horizontal
3	10640.	42.37	49.44	7.07	54.00	4.56	142	150	AV	Horizontal
4	10644.	53.03	60.11	7.08	74.00	13.89	139	146	PK	Horizontal
5	12653.	51.03	59.26	8.23	74.00	14.74	245	160	PK	Horizontal
6	12669.	42.32	50.60	8.28	54.00	3.40	269	153	AV	Horizontal

Remark:

- Final Level = Receiver Read level + Factor (Antenna Factor + Cable Loss – Preamplifier Factor).
- The emission levels of above 12.75GHz are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11n20 Mid CH
Test Frequency:	1 GHz ~ 25 GHz	Polarization:	Vertical
Test Voltage:	DC 3.85V	Environment:	Temp: 24℃ Humi: 57%

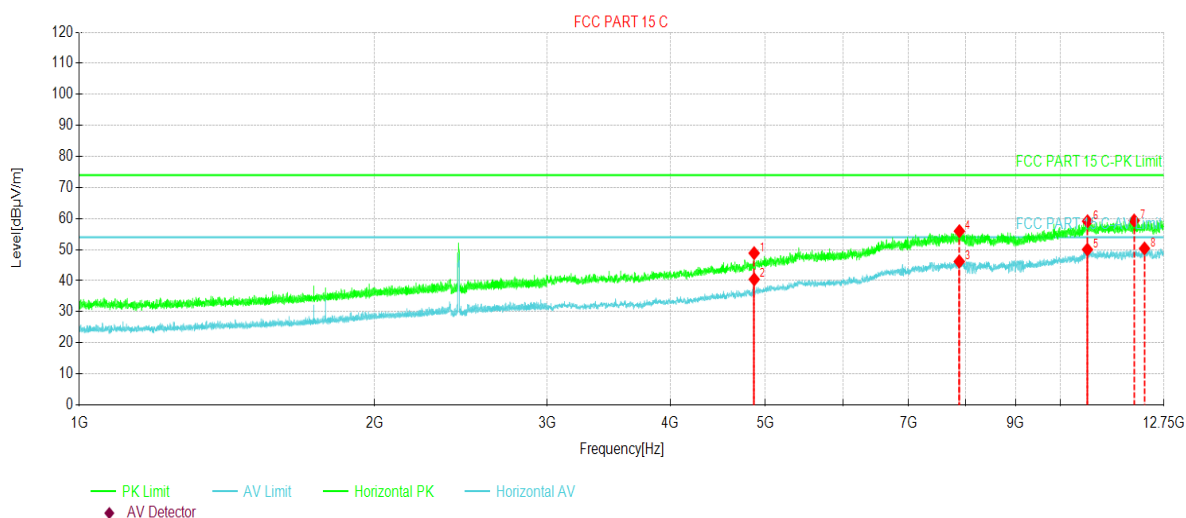


Suspected Data List										
NO	Freq. [MHz]	Reading [dBuV/m]	Level [dBuV/m]	Factor [dB]	Limit [dBuV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	7928.6	45.24	46.22	0.98	54.00	7.78	79	132	AV	Vertical
2	7971.2	54.84	55.77	0.93	74.00	18.23	60	142	PK	Vertical
3	10650.	52.13	59.23	7.10	74.00	14.77	254	135	PK	Vertical
4	10652.	42.69	49.80	7.11	54.00	4.20	269	149	AV	Vertical
5	12204.	52.54	60.42	7.88	74.00	13.58	312	150	PK	Vertical
6	12665.	42.30	50.57	8.27	54.00	3.43	305	162	AV	Vertical

Remark:

- Final Level = Receiver Read level + Factor (Antenna Factor + Cable Loss – Preamplifier Factor).
- The emission levels of above 12.75GHz are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11n20 Mid CH
Test Frequency:	1 GHz ~ 25 GHz	Polarization:	Horizontal
Test Voltage:	DC 3.85V	Environment:	Temp: 24℃ Huni: 57%

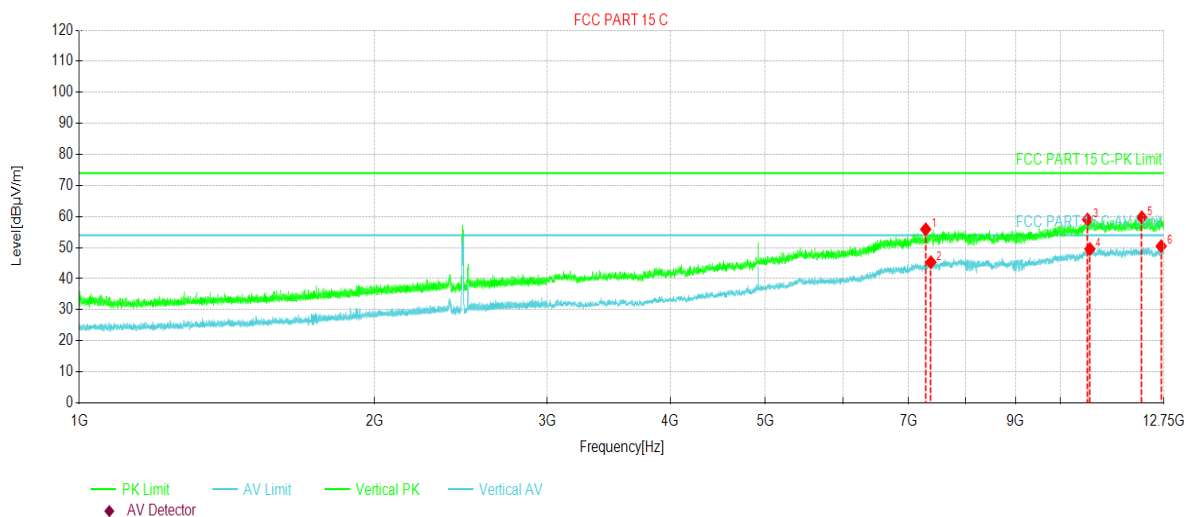


Suspected Data List											
NO	Freq [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity	
1	4873.2	57.97	48.85	-9.12	74.00	25.15	258	140	PK	Horizontal	
2	4874.4	49.55	40.44	-9.11	54.00	13.56	264	132	AV	Horizontal	
3	7887.1	45.16	46.17	1.01	54.00	7.83	314	151	AV	Horizontal	
4	7888.4	54.92	55.93	1.01	74.00	18.07	336	157	PK	Horizontal	
5	10653.	42.91	50.02	7.11	54.00	3.98	65	168	AV	Horizontal	
6	10656.	52.00	59.12	7.12	74.00	14.88	79	159	PK	Horizontal	
7	11887.	51.86	59.38	7.52	74.00	14.62	10	134	PK	Horizontal	
8	12179.	42.64	50.38	7.74	54.00	3.62	39	150	AV	Horizontal	

Remark:

- Final Level = Receiver Read level + Factor (Antenna Factor + Cable Loss – Preamplifier Factor).
- The emission levels of above 12.75GHz are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11n20 High CH
Test Frequency:	1 GHz ~ 25 GHz	Polarization:	Vertical
Test Voltage:	DC 3.85V	Environment:	Temp: 24℃ Humi: 57%

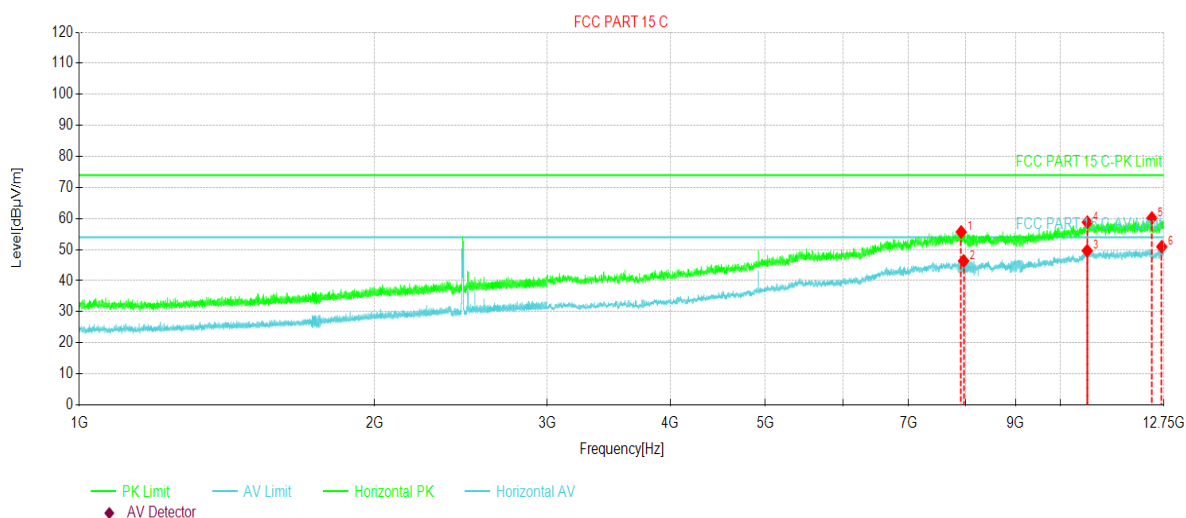


Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	7288.7	55.99	55.89	-0.10	74.00	18.11	313	147	PK	Vertical
2	7377.7	45.11	45.30	0.19	54.00	8.70	294	140	AV	Vertical
3	10656.	51.92	59.04	7.12	74.00	14.96	264	135	PK	Vertical
4	10714.	42.32	49.56	7.24	54.00	4.44	239	132	AV	Vertical
5	12104.	52.52	59.75	7.23	74.00	14.25	109	157	PK	Vertical
6	12667.	42.19	50.46	8.27	54.00	3.54	136	162	AV	Vertical

Remark:

- Final Level = Receiver Read level + Factor (Antenna Factor + Cable Loss – Preamplifier Factor).
- The emission levels of above 12.75GHz are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11n20 High CH
Test Frequency:	1 GHz ~ 25 GHz	Polarization:	Horizontal
Test Voltage:	DC 3.85V	Environment:	Temp: 24°C Humi: 57%

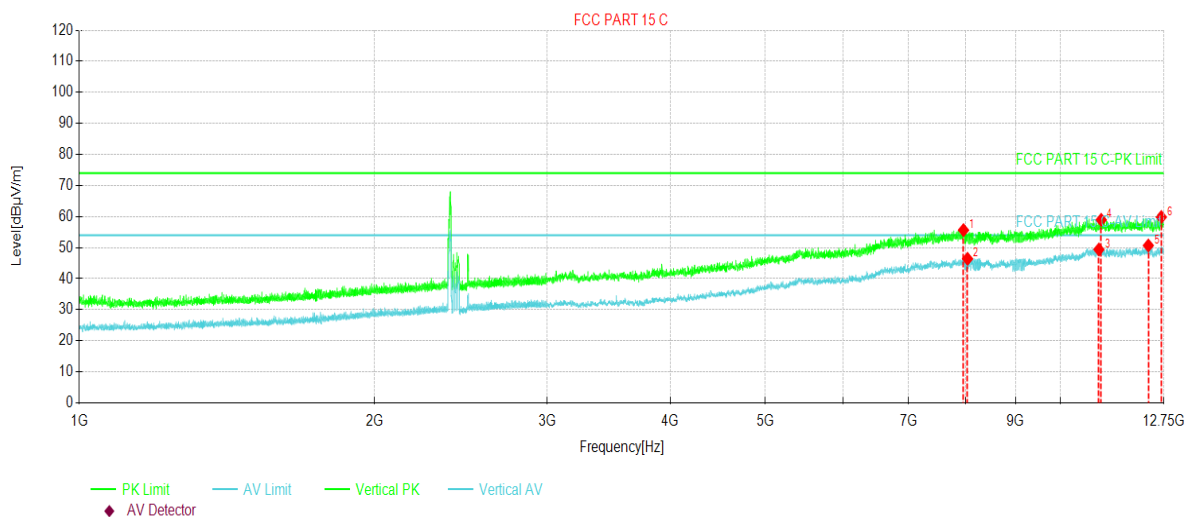


Suspected Data List											
NO	Freq. [MHz]	Reading [dBuV/m]	Level [dBuV/m]	Factor [dB]	Limit [dBuV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity	
1	7922.5	54.68	55.67	0.99	74.00	18.33	95	156	PK	Horizontal	
2	7967.6	45.42	46.36	0.94	54.00	7.64	112	163	AV	Horizontal	
3	10647.	42.56	49.65	7.09	54.00	4.35	267	149	AV	Horizontal	
4	10651.	51.71	58.81	7.10	74.00	15.19	280	155	PK	Horizontal	
5	12391.	52.30	60.14	7.84	74.00	13.86	343	137	PK	Horizontal	
6	12684.	42.60	50.93	8.33	54.00	3.07	352	149	AV	Horizontal	

Remark:

- Final Level = Receiver Read level + Factor (Antenna Factor + Cable Loss – Preamplifier Factor).
- The emission levels of above 12.75GHz are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11n40 Low CH
Test Frequency:	1 GHz ~ 25 GHz	Polarization:	Vertical
Test Voltage:	DC 3.85V	Environment:	Temp: 24℃ Huni: 57%

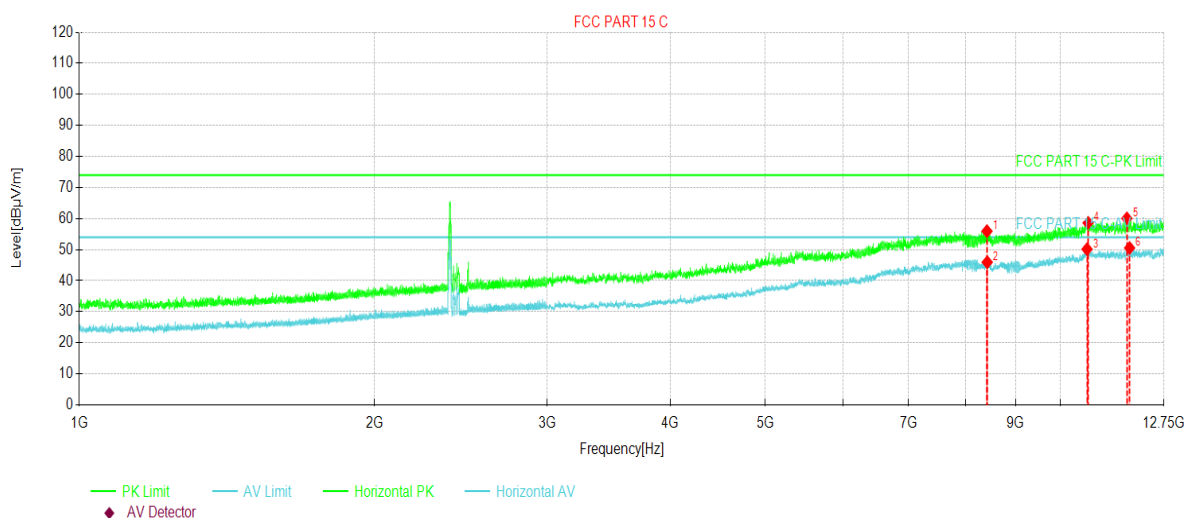


Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	7965.1	54.69	55.63	0.94	74.00	18.37	267	149	PK	Vertical
2	8040.7	45.53	46.39	0.86	54.00	7.61	291	140	AV	Vertical
3	10943.	42.02	49.39	7.37	54.00	4.61	64	131	AV	Vertical
4	11003.	51.48	58.94	7.46	74.00	15.06	72	146	PK	Vertical
5	12290.	42.86	50.69	7.83	54.00	3.31	309	150	AV	Vertical
6	12669.	51.56	59.84	8.28	74.00	14.16	321	157	PK	Vertical

Remark:

- Final Level = Receiver Read level + Factor (Antenna Factor + Cable Loss – Preamplifier Factor).
- The emission levels of above 12.75GHz are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11n40 Low CH
Test Frequency:	1 GHz ~ 25 GHz	Polarization:	Horizontal
Test Voltage:	DC 3.85V	Environment:	Temp: 24°C Humi: 57%



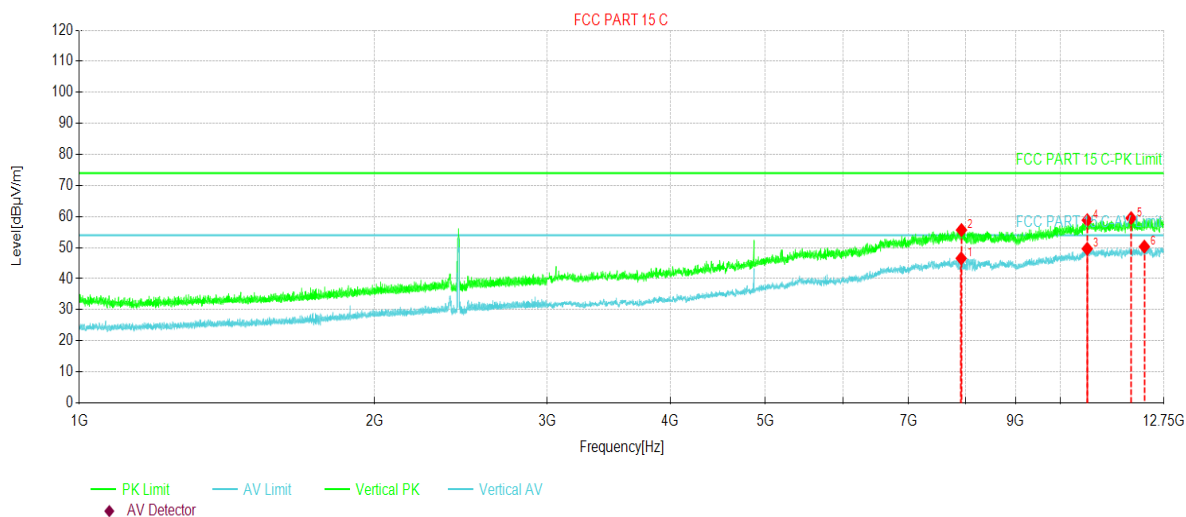
Suspected Data List

NO	Freq. [MHz]	Reading [dBuV/m]	Level [dBuV/m]	Factor [dB]	Limit [dBuV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	8416.1	54.29	55.94	1.65	74.00	18.06	76	140	PK	Horizontal
2	8421.0	44.33	45.95	1.62	54.00	8.05	92	136	AV	Horizontal
3	10644.	43.05	50.13	7.08	54.00	3.87	149	158	AV	Horizontal
4	10669.	51.45	58.61	7.16	74.00	15.39	180	150	PK	Horizontal
5	11686.	52.12	60.06	7.94	74.00	13.94	245	160	PK	Horizontal
6	11761.	42.61	50.55	7.94	54.00	3.45	267	171	AV	Horizontal

Remark:

- Final Level = Receiver Read level + Factor (Antenna Factor + Cable Loss – Pre-amplifier Factor).
- The emission levels of above 12.75GHz are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11n40 Mid CH
Test Frequency:	1 GHz ~ 25 GHz	Polarization:	Vertical
Test Voltage:	DC 3.85V	Environment:	Temp: 24℃ Humi: 57%

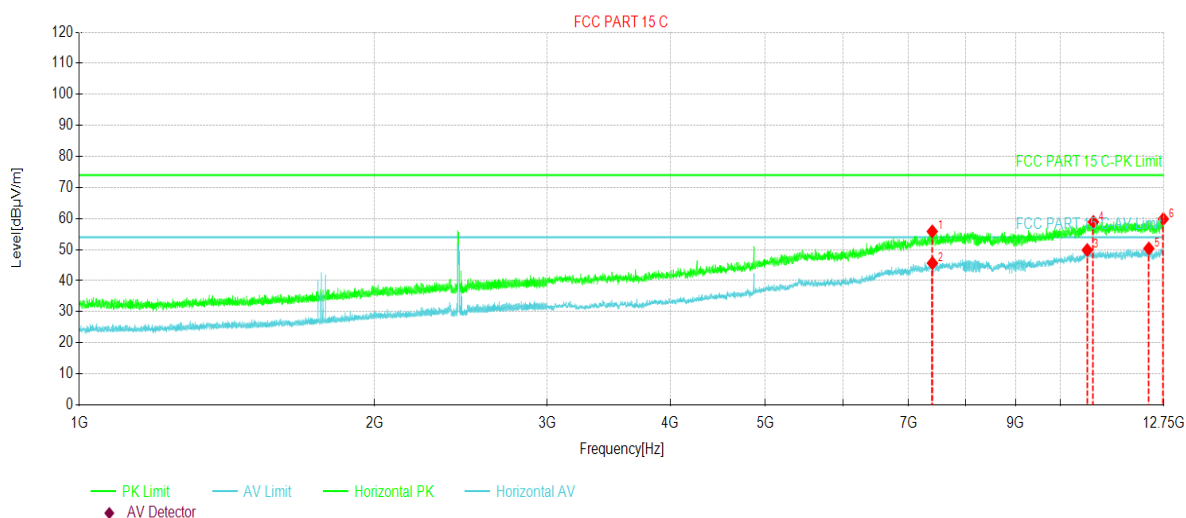


Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	7922.5	45.54	46.53	0.99	54.00	7.47	237	134	AV	Vertical
2	7927.4	54.68	55.66	0.98	74.00	18.34	210	152	PK	Vertical
3	10647.	42.54	49.63	7.09	54.00	4.37	150	142	AV	Vertical
4	10650.	51.72	58.82	7.10	74.00	15.18	168	158	PK	Vertical
5	11803.	51.63	59.50	7.87	74.00	14.50	15	142	PK	Vertical
6	12177.	42.59	50.31	7.72	54.00	3.69	30	160	AV	Vertical

Remark:

- Final Level = Receiver Read level + Factor (Antenna Factor + Cable Loss – Preamplifier Factor).
- The emission levels of above 12.75GHz are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11n40 Mid CH
Test Frequency:	1 GHz ~ 25 GHz	Polarization:	Horizontal
Test Voltage:	DC 3.85V	Environment:	Temp: 24°C Humi: 57%

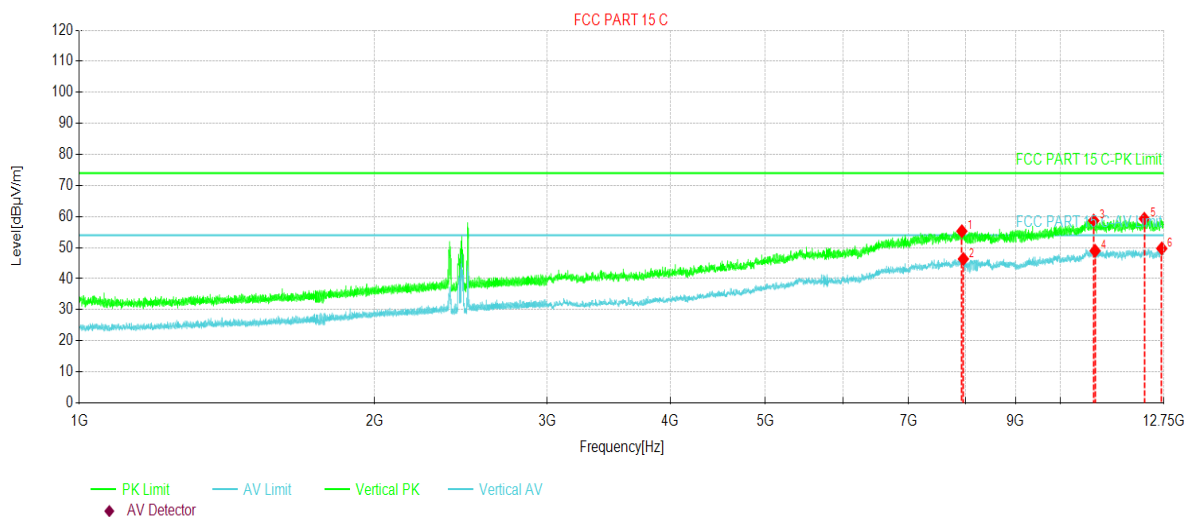


Suspected Data List										
NO	Freq. [MHz]	Reading [dBuV/m]	Level [dBuV/m]	Factor [dB]	Limit [dBuV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	7402.1	55.59	55.85	0.26	74.00	18.15	267	140	PK	Horizontal
2	7404.5	45.40	45.66	0.26	54.00	8.34	223	132	AV	Horizontal
3	10648.	42.76	49.86	7.10	54.00	4.14	156	154	AV	Horizontal
4	10801.	51.76	58.90	7.14	74.00	15.10	128	161	PK	Horizontal
5	12303.	42.52	50.35	7.83	54.00	3.65	315	157	AV	Horizontal
6	12730.	51.44	59.85	8.41	74.00	14.15	324	170	PK	Horizontal

Remark:

- Final Level = Receiver Read level + Factor (Antenna Factor + Cable Loss – Preamplifier Factor).
- The emission levels of above 12.75GHz are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11n40 High CH
Test Frequency:	1 GHz ~ 25 GHz	Polarization:	Vertical
Test Voltage:	DC 3.85V	Environment:	Temp: 24℃ Huni: 57%

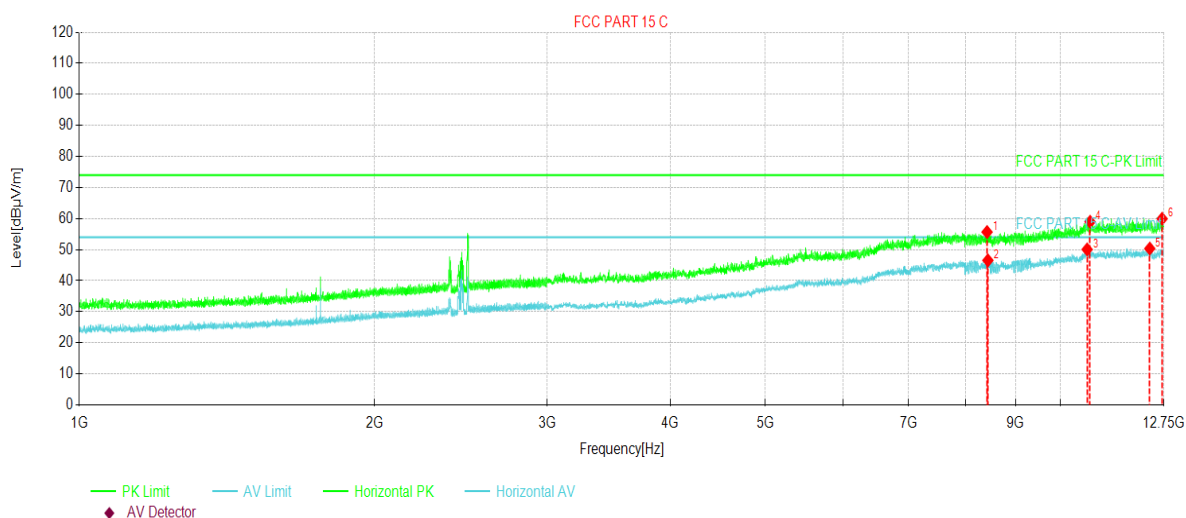


Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	7934.7	54.32	55.29	0.97	74.00	18.71	67	142	PK	Vertical
2	7962.7	45.41	46.35	0.94	54.00	7.65	49	153	AV	Vertical
3	10810.	51.52	58.68	7.16	74.00	15.32	185	161	PK	Vertical
4	10846.	41.77	48.98	7.21	54.00	5.02	106	154	AV	Vertical
5	12174.	51.58	59.29	7.71	74.00	14.71	301	133	PK	Vertical
6	12682.	41.40	49.72	8.32	54.00	4.28	284	141	AV	Vertical

Remark:

- Final Level = Receiver Read level + Factor (Antenna Factor + Cable Loss – Preamplifier Factor).
- The emission levels of above 12.75GHz are lower than the limit 20dB and not show in test report.

Product Name:	LTE/UMTS/GSM mobile phone	Product Model:	5048A
Test By:	Mike	Test mode:	802.11n40 High CH
Test Frequency:	1 GHz ~ 25 GHz	Polarization:	Horizontal
Test Voltage:	DC 3.85V	Environment:	Temp: 24℃ Humi: 57%



Suspected Data List										
NO	Freq. [MHz]	Reading [dBuV/m]	Level [dBuV/m]	Factor [dB]	Limit [dBuV/m]	Margin [dB]	Angle [°]	Height [cm]	Trace	Polarity
1	8417.3	54.02	55.66	1.64	74.00	18.34	80	160	PK	Horizontal
2	8434.4	45.00	46.54	1.54	54.00	7.46	64	152	AV	Horizontal
3	10645.	42.98	50.06	7.08	54.00	3.94	247	134	AV	Horizontal
4	10720.	51.72	58.96	7.24	74.00	15.04	275	146	PK	Horizontal
5	12331.	42.51	50.34	7.83	54.00	3.66	311	152	AV	Horizontal
6	12693.	51.58	59.94	8.36	74.00	14.06	295	144	PK	Horizontal

Remark:

- Final Level = Receiver Read level + Factor (Antenna Factor + Cable Loss – Preamplifier Factor).
- The emission levels of above 12.75GHz are lower than the limit 20dB and not show in test report.

7 Appendix

The below Appendix was detail result tested by SGS-CSTC Standards Technical Services, Co., Ltd.Shenzhen Branch.

(Date of Test: 2019/8/2-2019/8/21)..

Appendix	Item
Appendix- 2.4G WLAN	2.4G WIFI