

MEASUREMENT REPORT

FCC PART 15C WLAN 802.11b/g/n

FCC ID: XF6-M4SB

Applicant: Silicon Labs

Application Type: Class II Permissive Change

Product: Single Band SIP Module, Small Form Factor Single Band 802.11b/g/n, Bluetooth 5.0, Zigbee Module

Model No.: M4SB

FCC Rule Part(s): Part15 Subpart C (Section 15.247)

Test Procedure(s): ANSI C63.10-2013

Test Date: August 19 ~ November 25, 2021

Reviewed By:

Jame Yuan

Approved By:

Robin Wu



The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.10-2013. Test results reported herein relate only to the item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Suzhou) Co., Ltd.

Revision History

Report No.	Version	Description	Issue Date	Note
2108RSU042-U5	Rev. 01	Initial Report	11-25-2021	Valid

Note: This module was used in portable host and the antenna type change from chip antenna to FPC antenna, the antenna gain changed from 1dBi to -2dB, so we only evaluated the radiated spurious emissions item.

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1.4. Product Information

Product Name	Single Band SIP Module, Small Form Factor Single Band 802.11b/g/n, Bluetooth 5.0, Zigbee Module
Model No.	M4SB
EUT Type	Portable Device
Exposure Category	General Population/Uncontrolled Exposure
<p>Note:</p> <p>The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer.</p>	

1.5. Radio Specification under Test

Frequency Range	802.11b/g/n-HT20: 2412 ~ 2462 MHz
Type of Modulation	802.11b: DSSS 802.11g/n: OFDM
Antenna Type:	FPC Antenna
Antenna Gain:	-2.0dBi

1.6. Description of Host

Host Name	Kanega Watch
Model No.	KANEGA003
Company Name	UnaliWear, Inc.
Power Type	Battery (DC 3.8V)
Contained Modules	LTE module: Unaliwear BG77 FCC ID: 2AM4C-BG77 BLE/Wi-Fi module: Single Band SIP Module, Small Form Factor Single Band 802.11b/g/n, Bluetooth 5.0, Zigbee Module FCC ID: XF6-M4SB

1.7. Working Frequencies for this report

802.11b/g/n-HT20

Channel	Frequency	Channel	Frequency	Channel	Frequency
01	2412 MHz	02	2417 MHz	03	2422 MHz
04	2427 MHz	05	2432 MHz	06	2437 MHz
07	2442 MHz	08	2447 MHz	09	2452 MHz
10	2457 MHz	11	2462 MHz	--	--

1.8. Test Mode

Test Mode	Mode 1: Transmit by 802.11b
	Mode 2: Transmit by 802.11g
	Mode 3: Transmit by 802.11n-HT20

1.9. Applied Procedure

Test Procedure: ANSI C63.10-2013

1.10. EMI Suppression Device(s)/Modifications

No EMI suppression device(s) were added and/or no modifications were made during testing.

2. TEST EQUIPMENT CALIBRATION DATE

Radiated Emission (WZ-AC1)

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cal. Due Date
EMI Test Receiver	R&S	ESR7	MRTSUE06001	1 year	2022/01/04
PXA Signal Analyzer	Keysight	N9030B	MRTSUE06395	1 year	2022/08/08
Loop Antenna	Schwarzbeck	FMZB 1519	MRTSUE06025	1 year	2021/11/08
Bilog Period Antenna	Schwarzbeck	VULB 9168	MRTSUE06172	1 year	2022/08/05
Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06023	1 year	2021/09/27
Horn Antenna	Schwarzbeck	BBHA9170	MRTSUE06597	1 year	2021/12/14
Microwave System Amplifier	Agilent	83017A	MRTSUE06076	1 year	2021/11/14
Thermal Hygrometer	testo	608-H1	MRTSUE06403	1 year	2022/06/28
Anechoic Chamber	TDK	Chamber-AC1	MRTSUE06212	1 year	2022/04/29

Radiated Emission (WZ-AC2)

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cal. Due Date
MXE EMI Receiver	Keysight	N9038A	MRTSUE06125	1 year	2022/06/24
Loop Antenna	Schwarzbeck	FMZB 1519	MRTSUE06025	1 year	2021/11/08
Loop Antenna	Schwarzbeck	FMZB 1519	MRTSUE06025	1 year	2022/10/28
Bilog Period Antenna	Schwarzbeck	VULB 9162	MRTSUE06022	1 year	2022/05/24
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06171	1 year	2021/10/25
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06171	1 year	2022/10/21
Horn Antenna	Schwarzbeck	BBHA9170	MRTSUE06597	1 year	2021/12/14
Broadband Coaxial Preamplifier	Schwarzbeck	BBV 9718	MRTSUE06176	1 year	2021/11/14
Broadband Coaxial Preamplifier	Schwarzbeck	BBV 9718	MRTSUE06176	1 year	2022/11/12
Thermal Hygrometer	Minggao	ETH529	MRTSUE06170	1 year	2021/12/08
Anechoic Chamber	RIKEN	Chamber-AC2	MRTSUE06213	1 year	2022/04/29

Radiated Emission (SIP-AC1)

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EMI Test Receiver	R&S	ESR3	MRTSUE06612	1 year	2022/06/24
EXA Signal Analyzer	Keysight	N9010B	MRTSUE06559	1 year	2022/06/24
Loop Antenna	Schwarzbeck	FMZB 1519 B	MRTSUE06937	1 year	2022/03/09
Bilog Period Antenna	Schwarzbeck	VULB9168	MRTSUE06645	1 year	2021/08/30
Double Ridged Horn Antenna	R&S	HF907	MRTSUE06610	1 year	2021/08/30
Preamplifier	EMCI	EMC051845SE	MRTSUE06600	1 year	2021/11/09
Thermal Hygrometer	testo	608-H1	MRTSUE06620	1 year	2021/12/03
Anechoic Chamber	RIKEN	SIP-AC1	MRTSUE06554	1 year	2021/12/24

Radiated Emission (SIP-AC2)

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EMI Test Receiver	R&S	ESR3	MRTSUE06613	1 year	2022/06/24
MXA Signal Analyzer	Keysight	N9020B	MRTSUE06604	1 year	2021/09/26
Loop Antenna	Schwarzbeck	FMZB 1519 B	MRTSUE06937	1 year	2022/03/09
Bilog Period Antenna	Schwarzbeck	VULB9168	MRTSUE06646	1 year	2021/08/30
Horn Antenna	Schwarzbeck	BBHA9120D	MRTSUE06648	1 year	2021/11/26
Horn Antenna	Schwarzbeck	BBHA9170	MRTSUE06599	1 year	2021/11/26
Preamplifier	EMCI	EMC051845SE	MRTSUE06644	1 year	2021/11/09
Preamplifier	EMCI	EMC184045SE	MRTSUE06602	1 year	2021/10/12
Thermal Hygrometer	testo	608-H1	MRTSUE06624	1 year	2021/12/03
Anechoic Chamber	RIKEN	SIP-AC2	MRTSUE06781	1 year	2021/12/24

Radiated Emission (SIP-AC3)

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Preamplifier	Schwarzbeck	BBV 9721	MRTSUE06121	1 year	2022/06/09
EMI Test Receiver	R&S	ESR3	MRTSUE06612	1 year	2022/06/24
EXA Signal Analyzer	Keysight	N9010B	MRTSUE06559	1 year	2022/06/24
Loop Antenna	Schwarzbeck	FMZB 1519	MRTSUE06025	1 year	2021/11/08
Bilog Period Antenna	Schwarzbeck	VULB9168	MRTSUE06646	1 year	2021/08/30
Double Ridged Horn Antenna	R&S	HF907	MRTSUE06611	1 year	2021/09/13
Horn Antenna	Schwarzbeck	BBHA9170	MRTSUE06598	1 year	2021/11/26
Preamplifier	EMCI	EMC012645SE	MRTSUE06642	1 year	2022/01/14
Thermal Hygrometer	testo	608-H1	MRTSUE06622	1 year	2021/12/03
Anechoic Chamber	RIKEN	SIP-AC3	MRTSUE06782	1 year	2021/12/24

Software	Version	Function
EMI Software	V3	EMI Test Software

3. MEASUREMENT UNCERTAINTY

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

AC Conducted Emission Measurement - SR2	
Measurement Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$):	
9kHz~150kHz: 3.84dB	
150kHz~30MHz: 3.46dB	
Radiated Emission Measurement - AC1	
Measurement Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$):	
Horizontal:	30MHz~300MHz: 4.07dB
	300MHz~1GHz: 3.63dB
	1GHz~25GHz: 4.16dB
Vertical:	30MHz~300MHz: 4.18dB
	300MHz~1GHz: 3.60dB
	1GHz~25GHz: 4.76dB
Radiated Emission Measurement - AC2	
Measurement Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$):	
Horizontal:	30MHz~300MHz: 3.75dB
	300MHz~1GHz: 3.53dB
	1GHz~25GHz: 4.28dB
Vertical:	30MHz~300MHz: 3.86dB
	300MHz~1GHz: 3.53dB
	1GHz~25GHz: 4.33dB

4. TEST RESULT

4.1. Summary

FCC Part Section(s)	Test Description	Test Limit	Test Condition	Test Result	Reference
15.205 15.209	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)	Emissions in restricted bands must meet the radiated limits detailed in 15.209	Radiated	Pass	Section 4.2 Section 4.3

Notes:

- 1) All modes of operation and data rates were investigated. For radiated emission test, every axis (X, Y, Z) was also verified. The test results shown in the following sections represent the worst case emissions.
- 2) According to report (report No.: 2108RSU042-U2), the maximum output power is under 802.11b Channel 00.

4.2. Radiated Spurious Emission Measurement

4.2.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency (MHz)	Field Strength ($\mu\text{V}/\text{m}$)	Measured Distance (m)
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

4.2.2. Test Procedure Used

ANSI C63.10 Section 6.3 (General Requirements)

ANSI C63.10 Section 6.4 (Standard test method below 30MHz)

ANSI C63.10 Section 6.5 (Standard test method above 30MHz to 1GHz)

ANSI C63.10 Section 6.6 (Standard test method above 1GHz)

4.2.3. Test Setting

Table 1 - RBW as a function of frequency

Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Quasi-Peak Measurements below 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = as specified in Table 1
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Peak Measurements above 1GHz

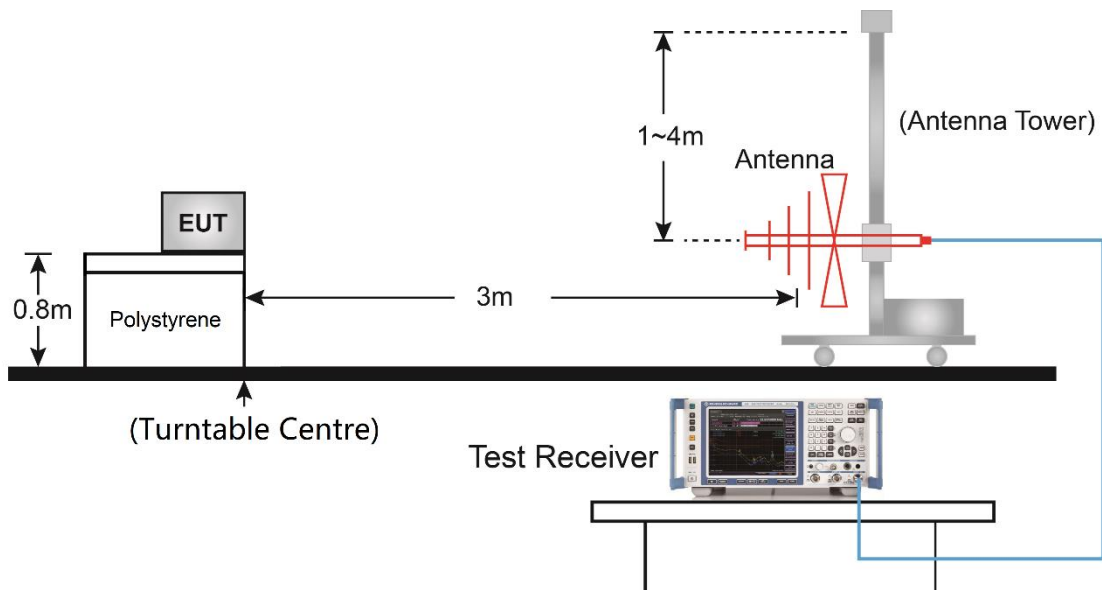
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

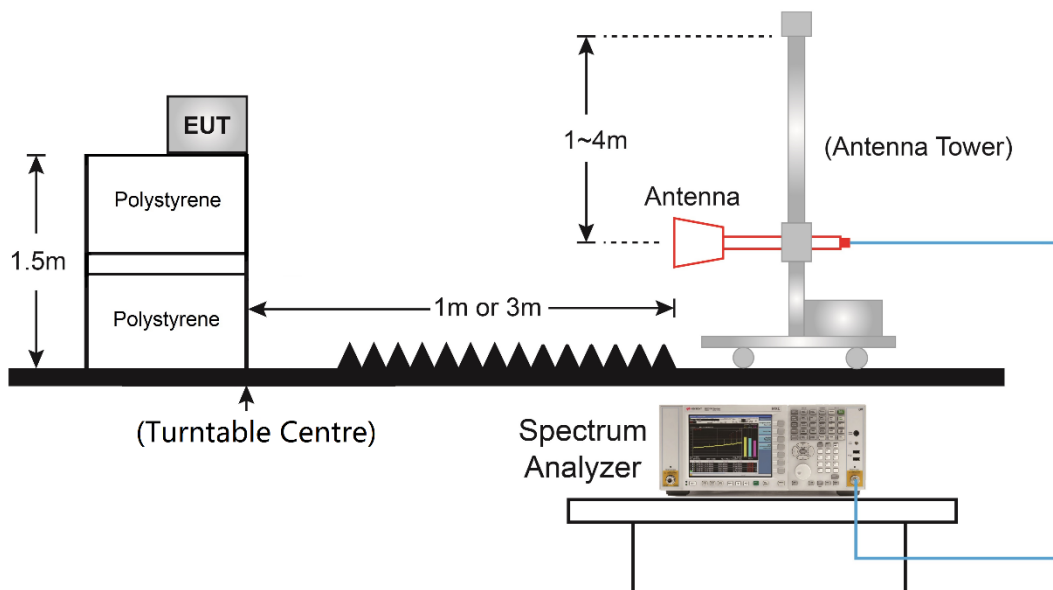
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10Hz
If the EUT duty cycle is $< 98\%$, set VBW $\geq 1/T$. T is the minimum transmission duration
4. Detector = Peak
5. Sweep time = auto
6. Trace mode = max hold
7. Trace was allowed to stabilize

4.2.4. Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



4.2.5. Test Result

Product	KANEGA003	Temperature	25°C
Test Engineer	Wayen Wang	Relative Humidity	54%
Test Site	SIP-AC3	Test Date	2021/08/18
Test Mode	Mode 1		
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not shown in the report.		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Channel 01							
3779.5	52.3	-10.1	42.2	74.0	-31.8	Peak	Horizontal
4927.0	52.1	-8.6	43.5	74.0	-30.5	Peak	Horizontal
12075.5	50.5	-2.3	48.2	74.0	-25.8	Peak	Horizontal
4077.0	51.8	-9.4	42.4	74.0	-31.6	Peak	Vertical
8378.0	51.2	-4.0	47.2	74.0	-26.8	Peak	Vertical
12322.0	50.6	-1.7	48.9	74.0	-25.1	Peak	Vertical
Channel 06							
3966.5	52.0	-9.7	42.3	74.0	-31.7	Peak	Horizontal
7579.0	51.4	-5.3	46.1	74.0	-27.9	Peak	Horizontal
11684.5	50.5	-2.7	47.7	74.0	-26.3	Peak	Horizontal
4340.5	53.4	-8.7	44.6	74.0	-29.4	Peak	Vertical
5037.5	52.9	-8.7	44.2	74.0	-29.8	Peak	Vertical
11897.0	50.6	-2.2	48.4	74.0	-25.6	Peak	Vertical
Channel 11							
4689.0	52.3	-8.9	43.3	74.0	-30.7	Peak	Horizontal
7664.0	52.1	-4.9	47.2	74.0	-26.8	Peak	Horizontal
12407.0	50.7	-1.5	49.2	74.0	-24.8	Peak	Horizontal
4196.0	51.8	-8.9	42.9	74.0	-31.1	Peak	Vertical
8301.5	51.0	-4.2	46.9	74.0	-27.1	Peak	Vertical
12322.0	49.5	-1.7	47.8	74.0	-26.2	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	KANEGA003	Temperature	25°C
Test Engineer	Wayen Wang	Relative Humidity	54%
Test Site	SIP-AC3	Test Date	2021/08/18
Test Mode	Mode 2		
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Channel 01							
4119.5	52.9	-9.2	43.7	74.0	-30.3	Peak	Horizontal
8318.5	51.0	-4.1	46.9	74.0	-27.1	Peak	Horizontal
11880.0	50.9	-2.7	48.1	74.0	-25.9	Peak	Horizontal
4808.0	52.0	-8.9	43.1	74.0	-30.9	Peak	Vertical
7613.0	51.0	-5.1	45.9	74.0	-28.1	Peak	Vertical
11795.0	50.1	-2.5	47.6	74.0	-26.4	Peak	Vertical
Channel 06							
4102.5	52.1	-9.2	42.9	74.0	-31.1	Peak	Horizontal
7664.0	50.7	-4.9	45.8	74.0	-28.2	Peak	Horizontal
12220.0	50.4	-1.9	48.5	74.0	-25.5	Peak	Horizontal
4102.5	52.1	-9.2	42.9	74.0	-31.1	Peak	Vertical
8216.5	50.9	-4.2	46.7	74.0	-27.3	Peak	Vertical
12415.5	50.4	-1.6	48.8	74.0	-25.2	Peak	Vertical
Channel 11							
7664.0	50.8	-4.9	45.8	74.0	-28.2	Peak	Horizontal
12407.0	49.2	-1.5	47.7	74.0	-26.3	Peak	Horizontal
15756.0	47.4	4.4	51.8	74.0	-22.2	Peak	Horizontal
4349.0	51.4	-8.7	42.6	74.0	-31.4	Peak	Vertical
8361.0	50.8	-4.0	46.8	74.0	-27.2	Peak	Vertical
12186.0	50.5	-2.2	48.3	74.0	-25.7	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m) Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)							

Product	KANEGA003	Temperature	25°C
Test Engineer	Wayen Wang	Relative Humidity	54%
Test Site	SIP-AC3	Test Date	2021/08/18
Test Mode	Mode 3		
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

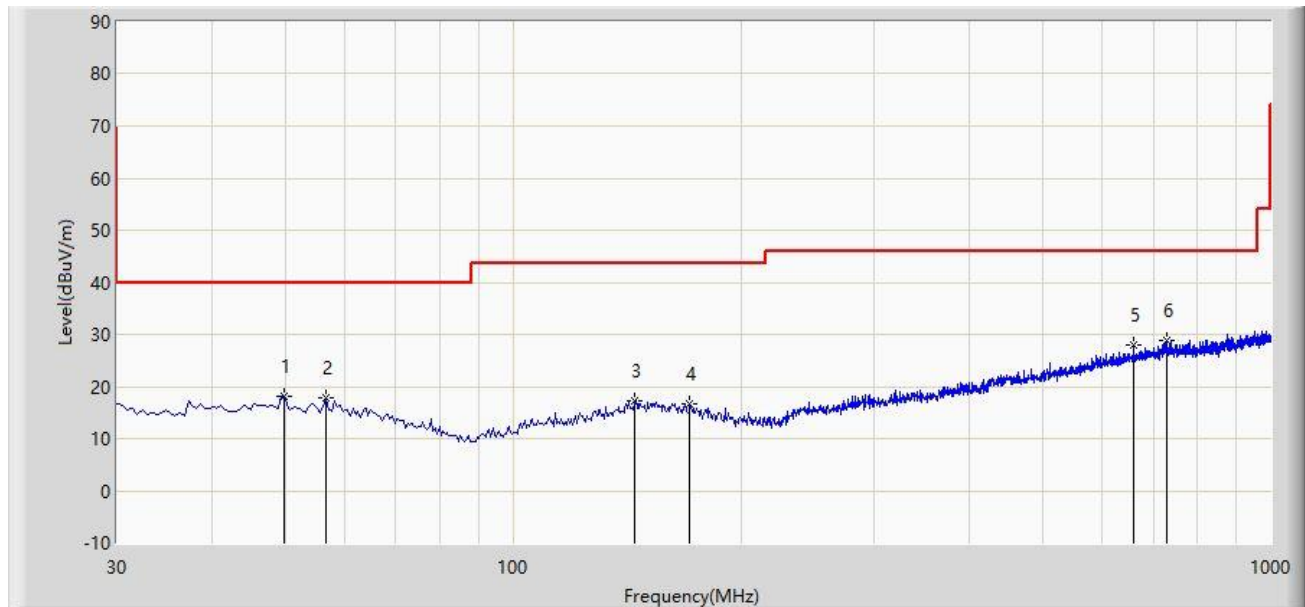
Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Channel 01							
3949.5	51.7	-9.8	41.9	74.0	-32.1	Peak	Horizontal
7664.0	50.7	-4.9	45.8	74.0	-28.2	Peak	Horizontal
12211.5	50.0	-1.9	48.1	74.0	-25.9	Peak	Horizontal
4289.5	51.8	-8.7	43.0	74.0	-31.0	Peak	Vertical
7562.0	51.2	-5.3	45.9	74.0	-28.1	Peak	Vertical
11472.0	50.5	-2.8	47.7	74.0	-26.3	Peak	Vertical
Channel 06							
4765.5	52.3	-8.9	43.4	74.0	-30.6	Peak	Horizontal
7664.0	51.8	-4.9	46.8	74.0	-27.2	Peak	Horizontal
12407.0	49.7	-1.5	48.2	74.0	-25.8	Peak	Horizontal
4689.0	51.7	-8.9	42.7	74.0	-31.3	Peak	Vertical
7647.0	51.2	-5.0	46.1	74.0	-27.9	Peak	Vertical
11676.0	51.2	-2.8	48.4	74.0	-25.6	Peak	Vertical
Channel 11							
4179.0	51.1	-9.0	42.2	74.0	-31.8	Peak	Horizontal
7664.0	50.4	-4.9	45.5	74.0	-28.5	Peak	Horizontal
12398.5	49.1	-1.7	47.4	74.0	-26.6	Peak	Horizontal
4255.5	51.3	-8.8	42.4	74.0	-31.6	Peak	Vertical
7672.5	50.9	-5.0	45.9	74.0	-28.1	Peak	Vertical
12322.0	50.4	-1.7	48.7	74.0	-25.3	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

The Test Result of Radiated Emission below 1GHz:

Site: SIP-AC3	Time: 2021/08/19
Limit: FCC_Part15.209_RSE(3m)	Engineer: Wayen Wang
Probe: SIP-AC3_VULB 9168 _30-1000MHz	Polarity: Horizontal
EUT: KANEGA003	Power: By battery
Note: Transmit by 802.11b at channel 11	



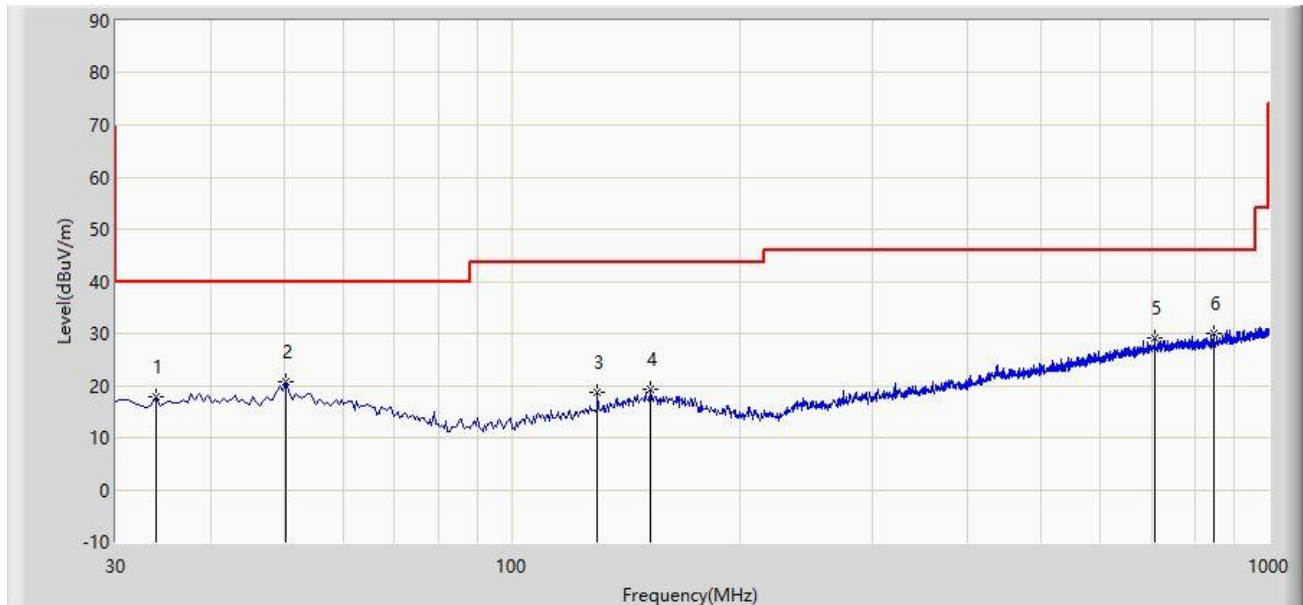
No.	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			49.885	18.000	0.053	-22.000	40.000	17.946	PK
2			56.675	17.810	0.244	-22.190	40.000	17.566	PK
3			144.945	17.246	-0.732	-26.254	43.500	17.978	PK
4			171.135	16.632	-0.670	-26.868	43.500	17.301	PK
5			659.045	27.893	1.799	-18.107	46.000	26.095	PK
6		*	730.340	28.775	1.397	-17.225	46.000	27.378	PK

Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), therefore no data appear in the report.

Site: SIP-AC3	Time: 2021/08/19
Limit: FCC_Part15.209_RSE(3m)	Engineer: Wayen Wang
Probe: SIP-AC3_VULB 9168 _30-1000MHz	Polarity: Vertical
EUT: EUT: KANEGA003	Power: By battery
Note: Transmit by 802.11b at channel 11	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			33.880	17.706	0.839	-22.294	40.000	16.867	PK
2			50.370	20.753	2.817	-19.247	40.000	17.936	PK
3			129.910	18.639	2.267	-24.861	43.500	16.372	PK
4			152.705	19.391	1.279	-24.109	43.500	18.111	PK
5			707.545	29.052	2.356	-16.948	46.000	26.696	PK
6		*	847.225	30.052	1.695	-15.948	46.000	28.357	PK

Note 1: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), therefore no data appear in the report.

4.3. Radiated Restricted Band Edge Measurement

4.3.1. Test Limit

For 15.205 requirement:

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

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)
13.36 - 13.41	--	--	--

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency (MHz)	Field Strength ($\mu\text{V}/\text{m}$)	Measured Distance (m)
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

4.3.2. Test Procedure Used

ANSI C63.10 - Section 6.3 (General Requirements)

ANSI C63.10 - Section 6.6 (Standard test method above 1GHz)

4.3.3. Test Setting

Peak Field Strength Measurements

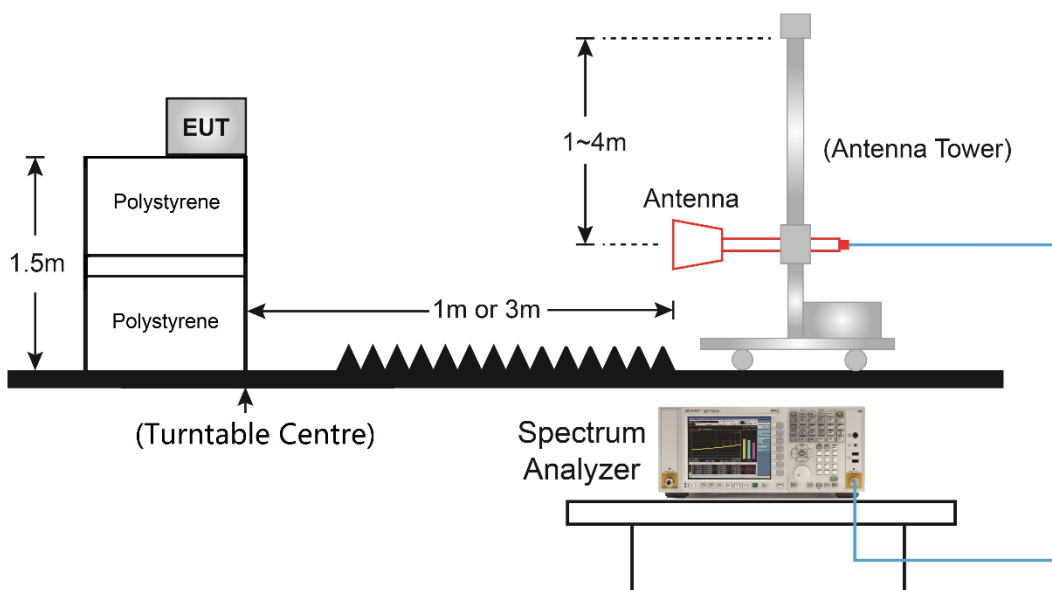
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = Peak
5. Sweep time = Auto couple
6. Trace mode = Max hold
7. Trace was allowed to stabilize

Average Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10Hz
4. If the EUT duty cycle is $< 98\%$, set VBW $\geq 1/T$. T is the minimum transmission duration
5. Detector = Peak
6. Sweep time = Auto
7. Trace mode = Max hold

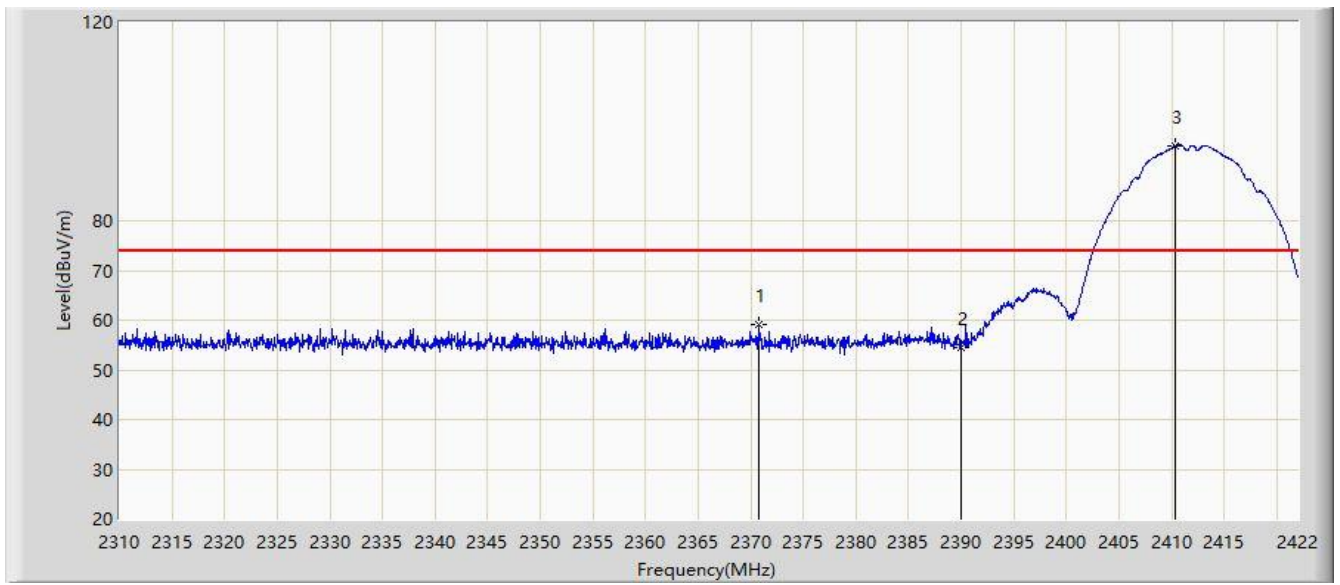
Trace was allowed to stabilize

4.3.4. Test Setup



4.3.5. Test Result

Site: WZ-AC1	Time: 2021/09/01
Limit: FCC_Part15.209_RE(3m)	Engineer: Kin Xia
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: KANEGA003	Power: By battery
Note: Transmit by 802.11b Channel 01	

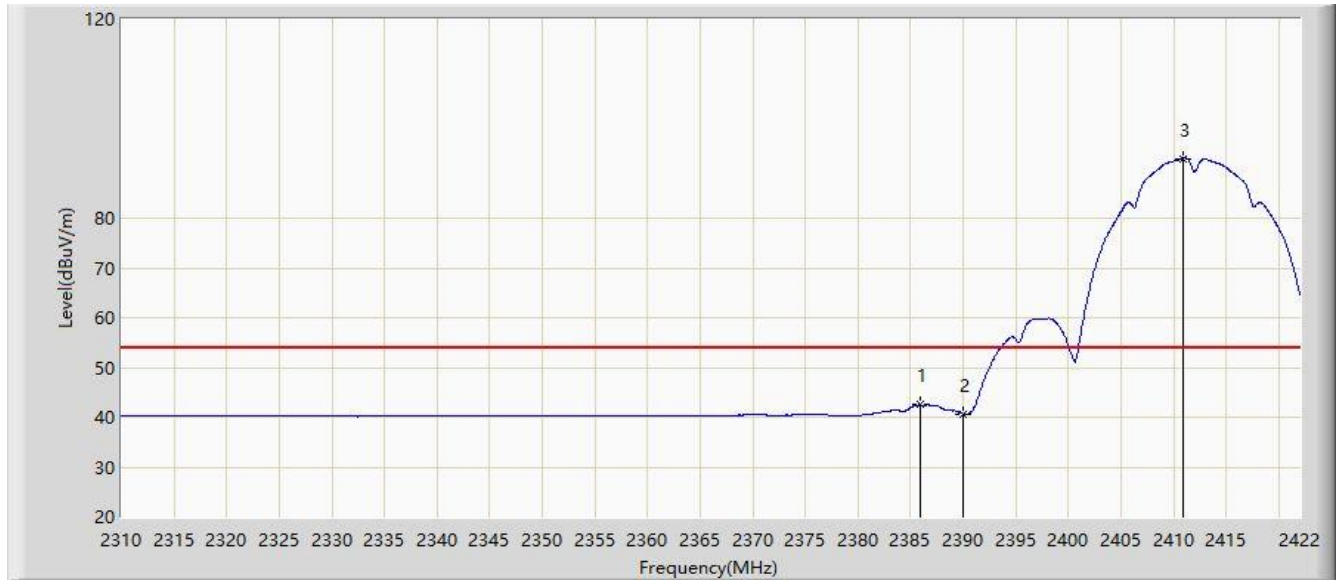


No.	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1			2370.704	59.125	28.073	-14.875	74.000	31.052	PK
2			2390.000	54.473	23.440	-19.527	74.000	31.034	PK
3		*	2410.296	95.006	64.044	N/A	N/A	30.962	PK

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Time: 2021/09/01
Limit: FCC_Part15.209_RE(3m)	Engineer: Kin Xia
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: KANEGA003	Power: By battery
Note: Transmit by 802.11b Channel 01	

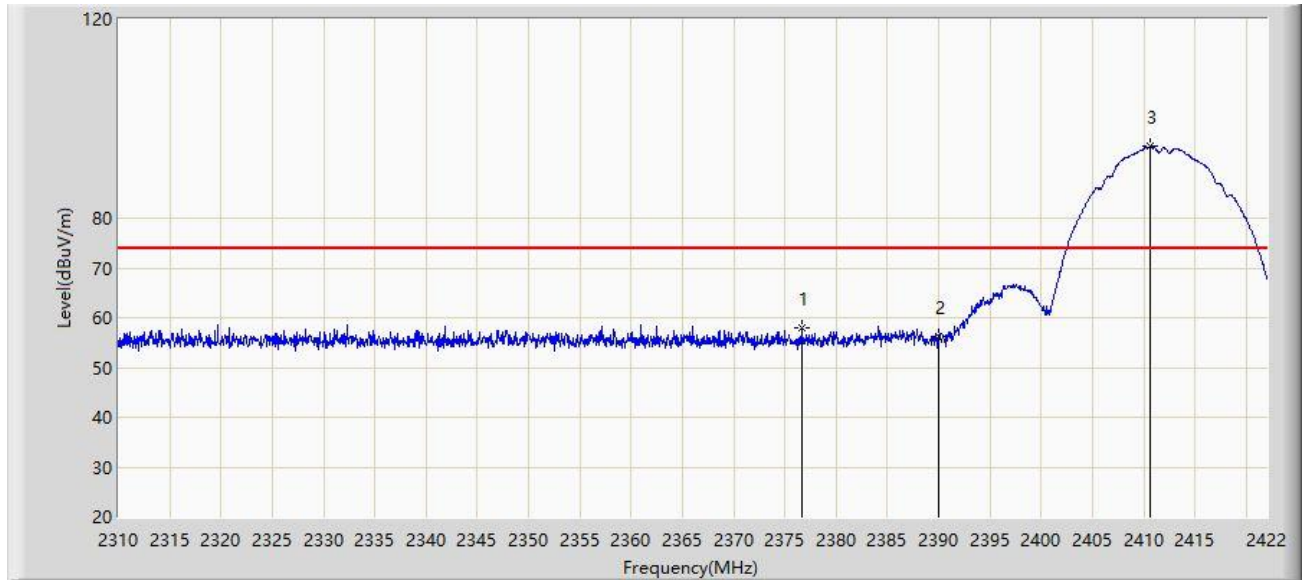


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2385.880	42.478	11.441	-11.522	54.000	31.037	AV
2			2390.000	40.668	9.635	-13.332	54.000	31.034	AV
3		*	2410.856	92.007	61.048	N/A	N/A	30.959	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Time: 2021/09/01
Limit: FCC_Part15.209_RE(3m)	Engineer: Kin Xia
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: KANEGA003	Power: By battery
Note: Transmit by 802.11b Channel 01	

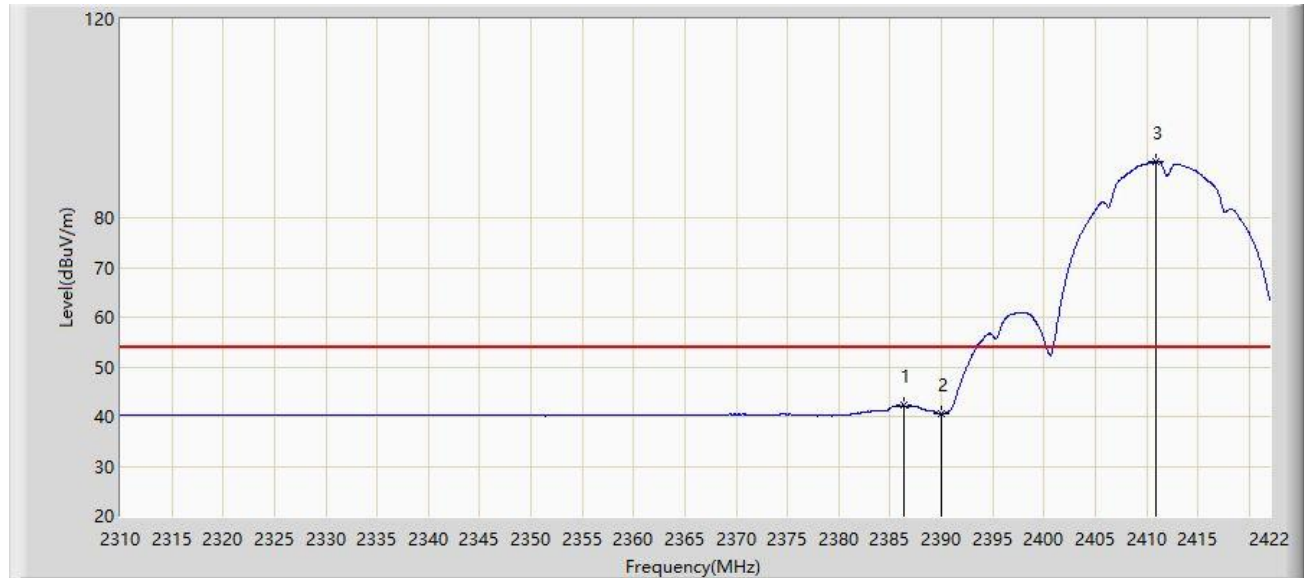


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2376.640	57.955	26.910	-16.045	74.000	31.045	PK
2			2390.000	56.221	25.188	-17.779	74.000	31.034	PK
3		*	2410.688	94.400	63.440	N/A	N/A	30.959	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Time: 2021/09/01
Limit: FCC_Part15.209_RE(3m)	Engineer: Kin Xia
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: KANEGA003	Power: By battery
Note: Transmit by 802.11b Channel 01	

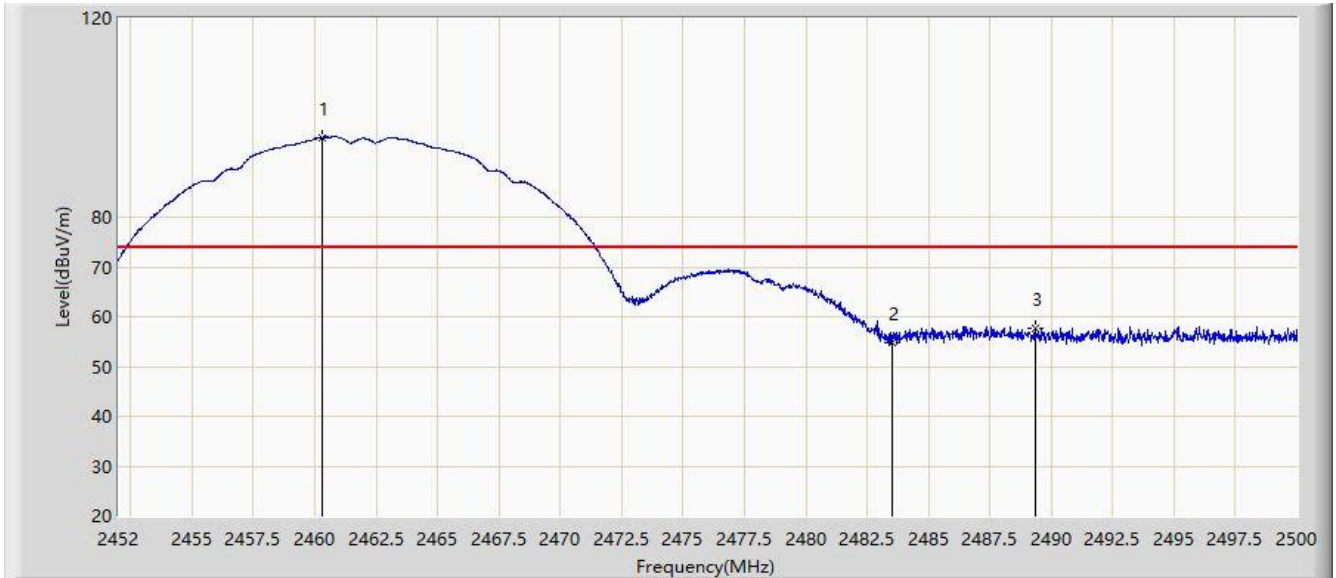


No.	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1			2386.328	42.209	11.172	-11.791	54.000	31.037	AV
2			2390.000	40.544	9.511	-13.456	54.000	31.034	AV
3		*	2410.968	91.307	60.349	N/A	N/A	30.958	AV

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Time: 2021/09/01
Limit: FCC_Part15.209_RE(3m)	Engineer: Kin Xia
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: KANEGA003	Power: By battery
Note: Test Transmit by 802.11b Channel 11	

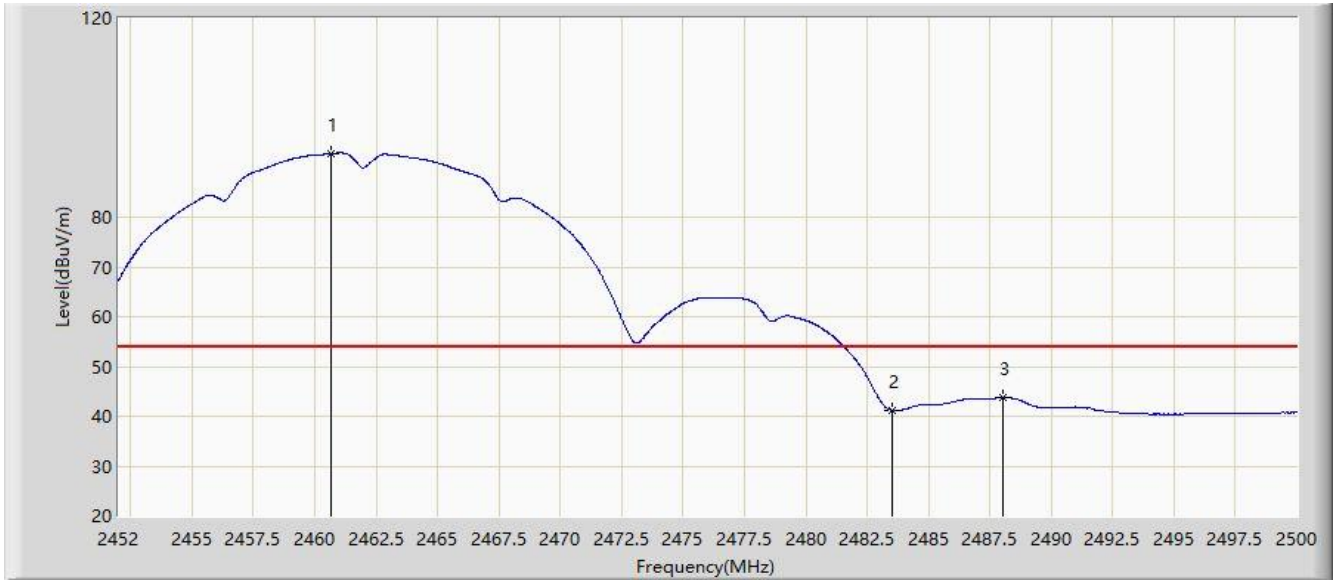


No.	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1		*	2460.280	95.996	65.112	N/A	N/A	30.884	PK
2			2483.500	54.912	24.024	-19.088	74.000	30.888	PK
3			2489.344	57.788	26.881	-16.212	74.000	30.906	PK

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Time: 2021/09/01
Limit: FCC_Part15.209_RE(3m)	Engineer: Kin Xia
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: KANEGA003	Power: By battery
Note: Transmit by 802.11b Channel 11	

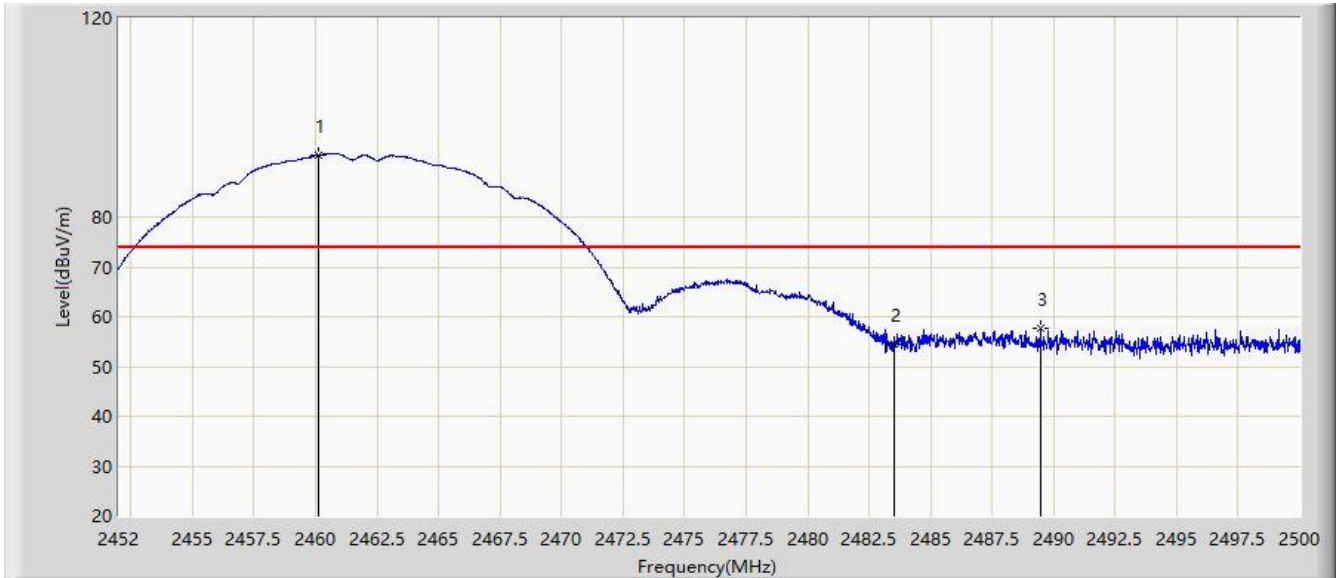


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2460.688	92.831	61.948	N/A	N/A	30.883	AV
2			2483.500	41.187	10.299	-12.813	54.000	30.888	AV
3			2488.048	43.760	12.858	-10.240	54.000	30.903	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Time: 2021/09/01
Limit: FCC_Part15.209_RE(3m)	Engineer: Kin Xia
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: KANEGA003	Power: By battery
Note: Transmit by 802.11b Channel 11	

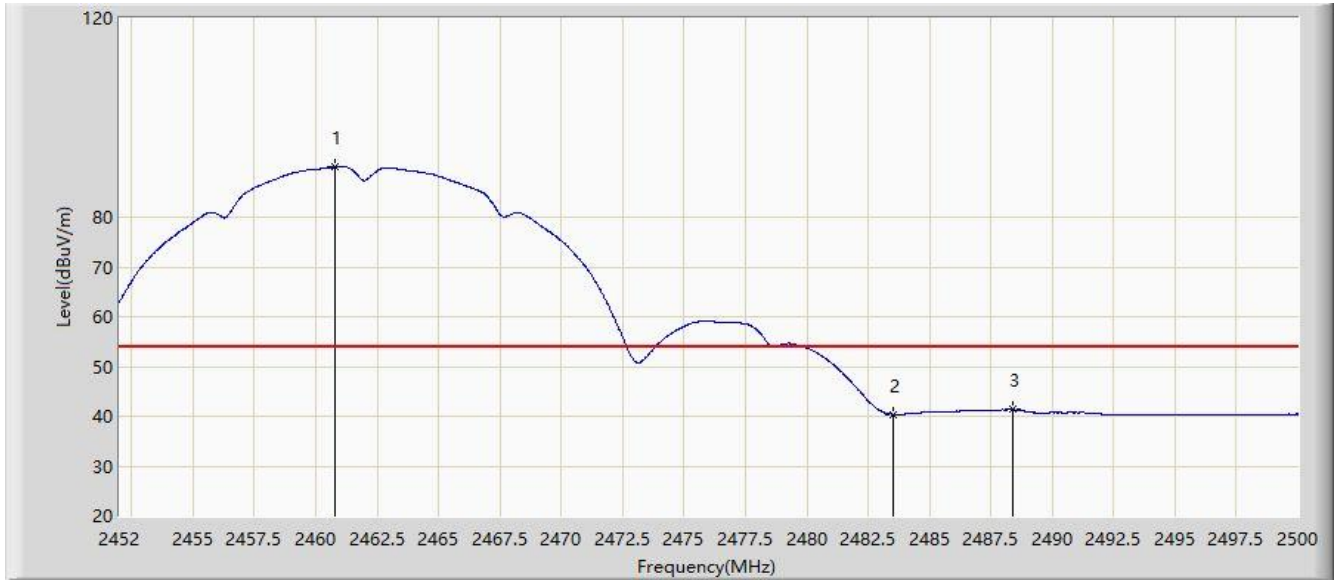


No.	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2460.136	92.547	61.663	N/A	N/A	30.884	PK
2			2483.500	54.588	23.700	-19.412	74.000	30.888	PK
3			2489.464	57.746	26.839	-16.254	74.000	30.907	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Time: 2021/09/01
Limit: FCC_Part15.209_RE(3m)	Engineer: Kin Xia
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: KANEGA003	Power: By battery
Note: Transmit by 802.11b Channel 11	

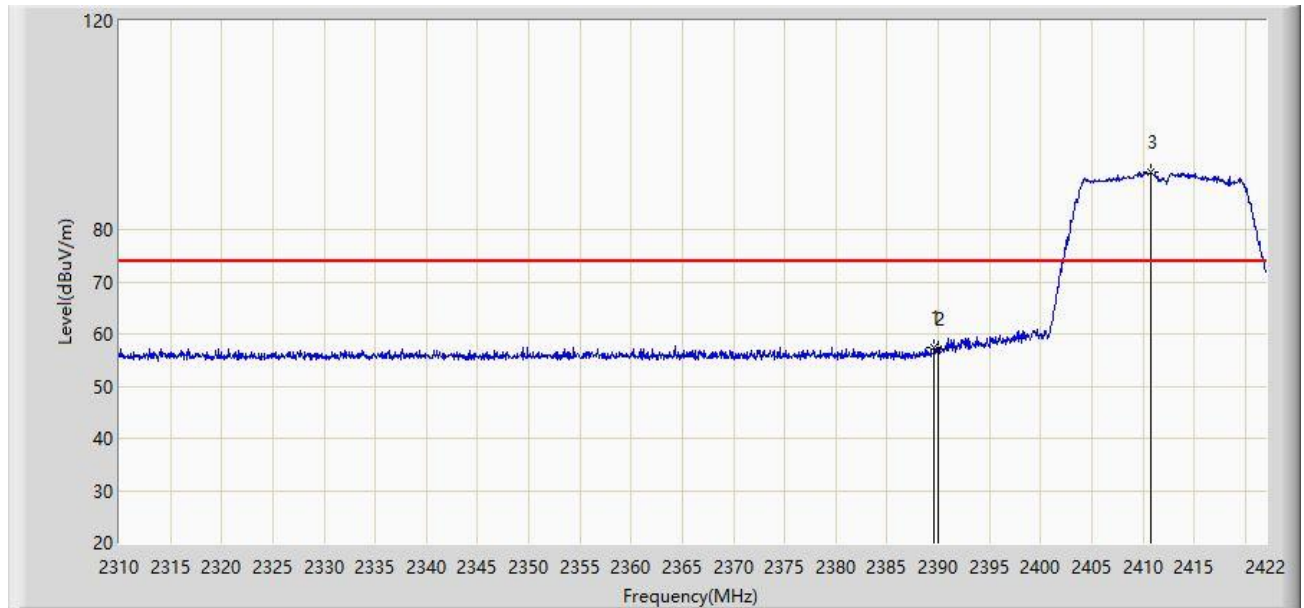


No.	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		*	2460.784	90.040	59.157	N/A	N/A	30.883	AV
2			2483.500	40.367	9.479	-13.633	54.000	30.888	AV
3			2488.408	41.318	10.414	-12.682	54.000	30.903	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC2	Time: 2021/11/25
Limit: FCC_Part15.209_RE(3m)	Engineer: Kin Xia
Probe: WZ-AC2_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: KANEGA003	Power: By Battery
Test Mode: Transmit by 802.11g at Channel 01	

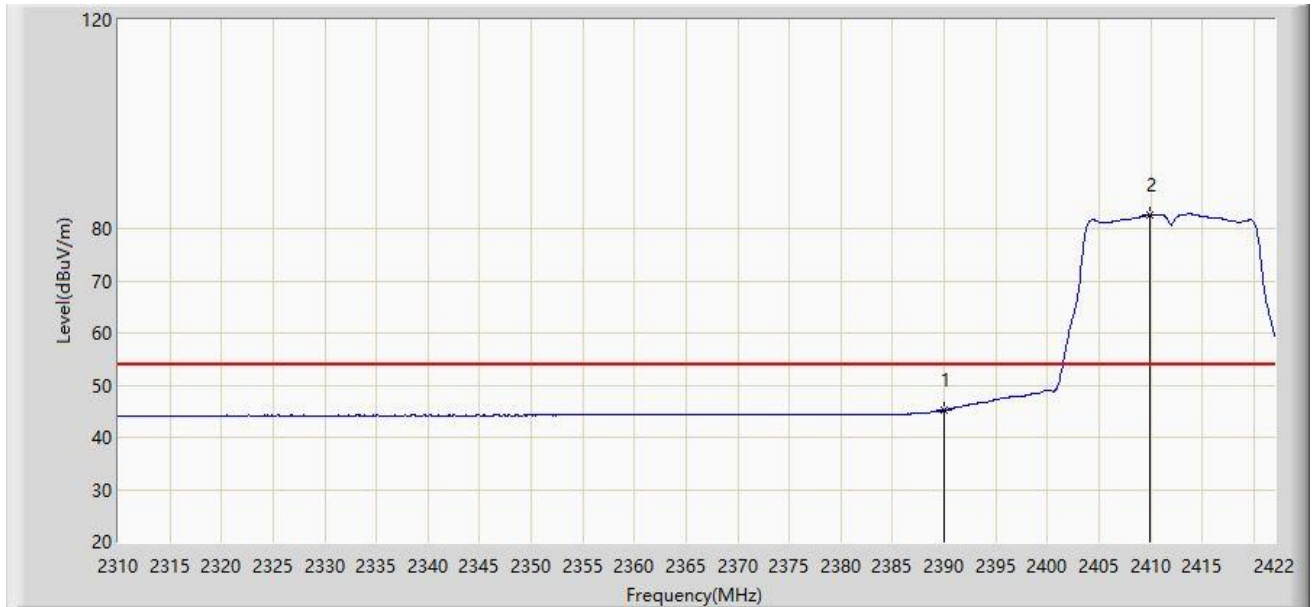


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2389.576	57.261	25.257	-16.739	74.000	32.004	PK
2			2390.000	57.177	25.174	-16.823	74.000	32.003	PK
3		*	2410.800	90.996	59.028	N/A	N/A	31.968	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC2	Time: 2021/11/25
Limit: FCC_Part15.209_RE(3m)	Engineer: Kin Xia
Probe: WZ-AC2_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: KANEGA003	Power: By Battery
Test Mode: Transmit by 802.11g at Channel 01	

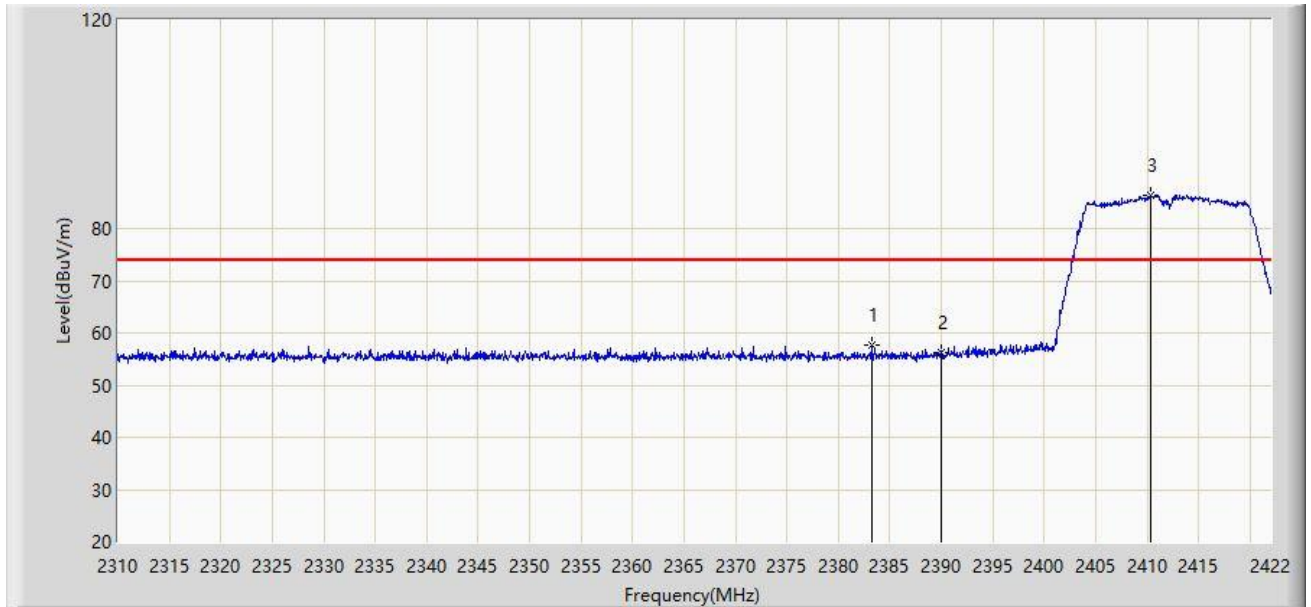


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1			2390.000	45.189	13.186	-8.811	54.000	32.003	AV
2		*	2409.904	82.578	50.608	N/A	N/A	31.970	AV

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC2	Time: 2021/11/25
Limit: FCC_Part15.209_RE(3m)	Engineer: Kin Xia
Probe: WZ-AC2_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: KANEGA003	Power: By Battery
Test Mode: Transmit by 802.11g at Channel 01	

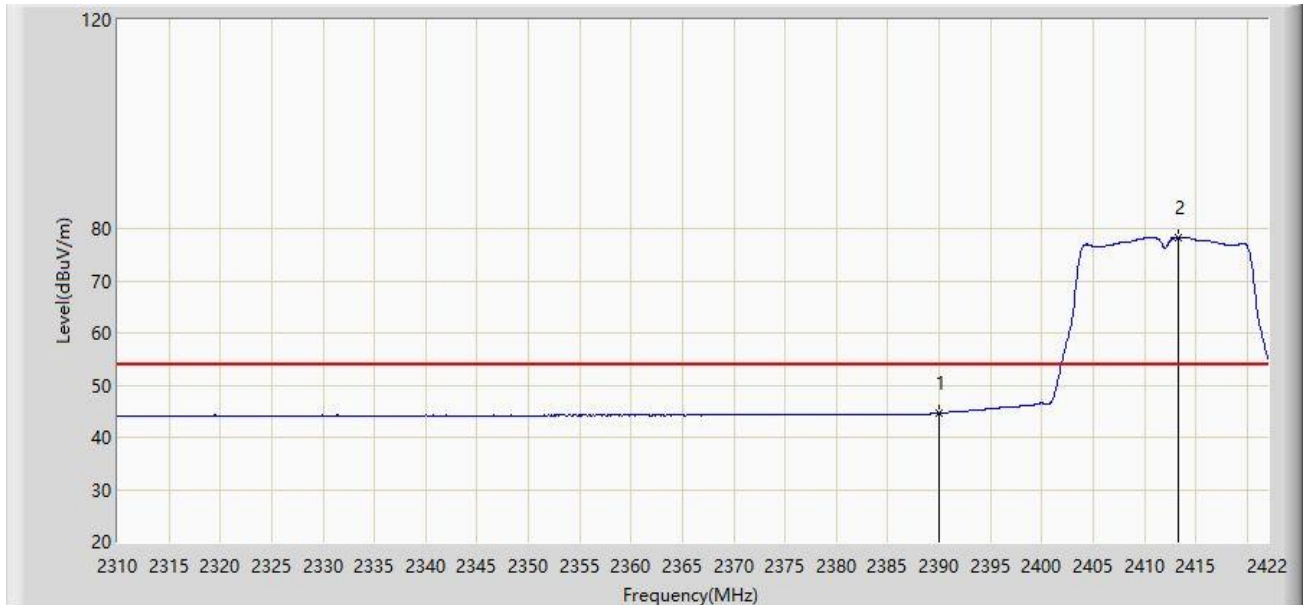


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2383.304	57.573	25.556	-16.427	74.000	32.017	PK
2			2390.000	56.157	24.154	-17.843	74.000	32.003	PK
3		*	2410.352	86.320	54.351	N/A	N/A	31.969	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC2	Time: 2021/11/25
Limit: FCC_Part15.209_RE(3m)	Engineer: Kin Xia
Probe: WZ-AC2_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: KANEGA003	Power: By Battery
Test Mode: Transmit by 802.11g at Channel 01	

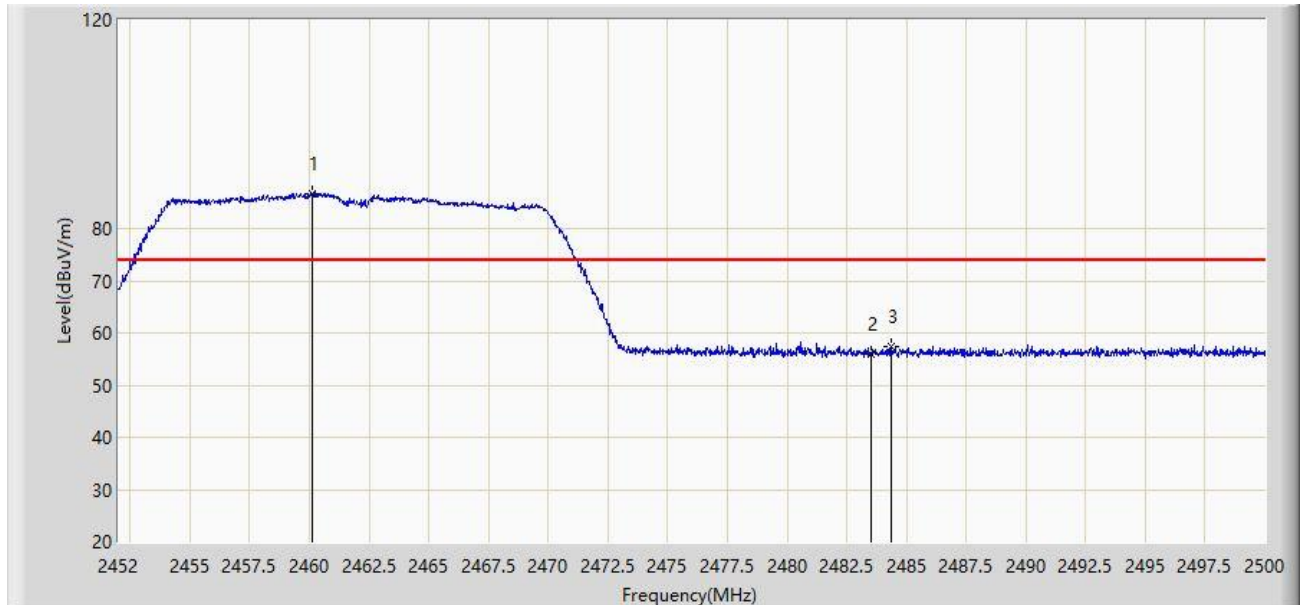


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2390.000	44.615	12.612	-9.385	54.000	32.003	AV
2		*	2413.320	78.241	46.278	N/A	N/A	31.963	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC2	Time: 2021/11/25
Limit: FCC_Part15.209_RE(3m)	Engineer: Kin Xia
Probe: WZ-AC2_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: KANEGA003	Power: By Battery
Test Mode: Transmit by 802.11g at Channel 11	

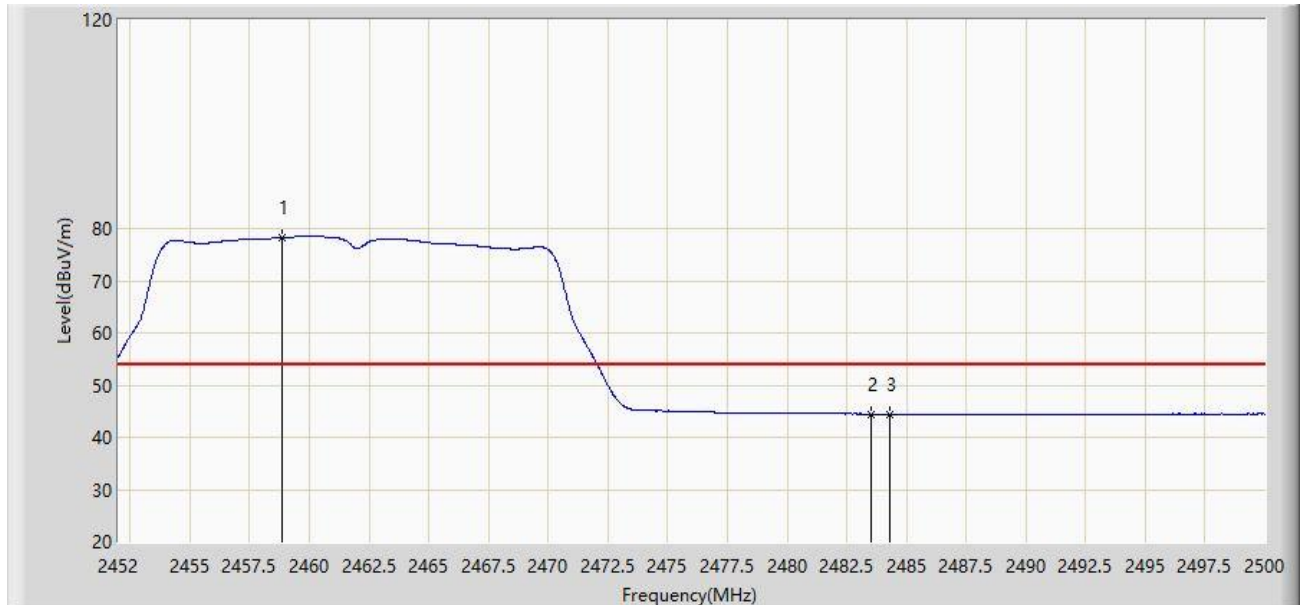


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2460.112	86.685	54.757	N/A	N/A	31.927	PK
2			2483.500	55.928	24.016	-18.072	74.000	31.912	PK
3			2484.352	57.368	25.458	-16.632	74.000	31.910	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC2	Time: 2021/11/25
Limit: FCC_Part15.209_RE(3m)	Engineer: Kin Xia
Probe: WZ-AC2_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: KANEGA003	Power: By Battery
Test Mode: Transmit by 802.11g at Channel 11	

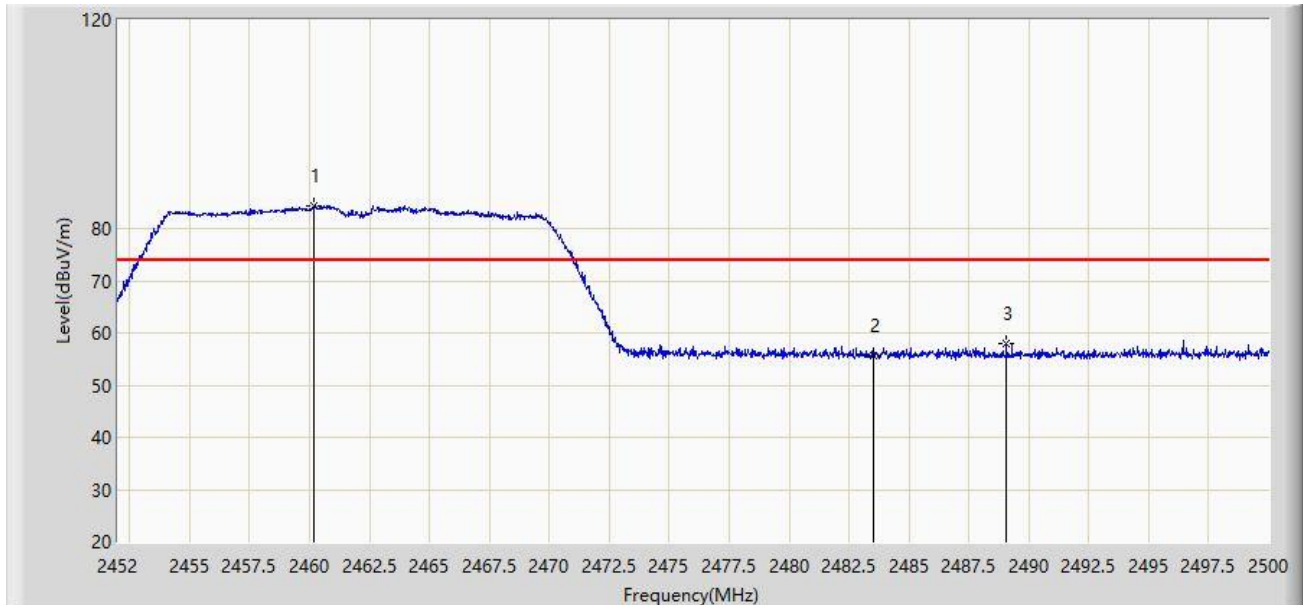


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1		*	2458.864	78.235	46.306	N/A	N/A	31.929	AV
2			2483.500	44.458	12.546	-9.542	54.000	31.912	AV
3			2484.280	44.486	12.576	-9.514	54.000	31.910	AV

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC2	Time: 2021/11/25
Limit: FCC_Part15.209_RE(3m)	Engineer: Kin Xia
Probe: WZ-AC2_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: KANEGA003	Power: By Battery
Test Mode: Transmit by 802.11g at Channel 11	

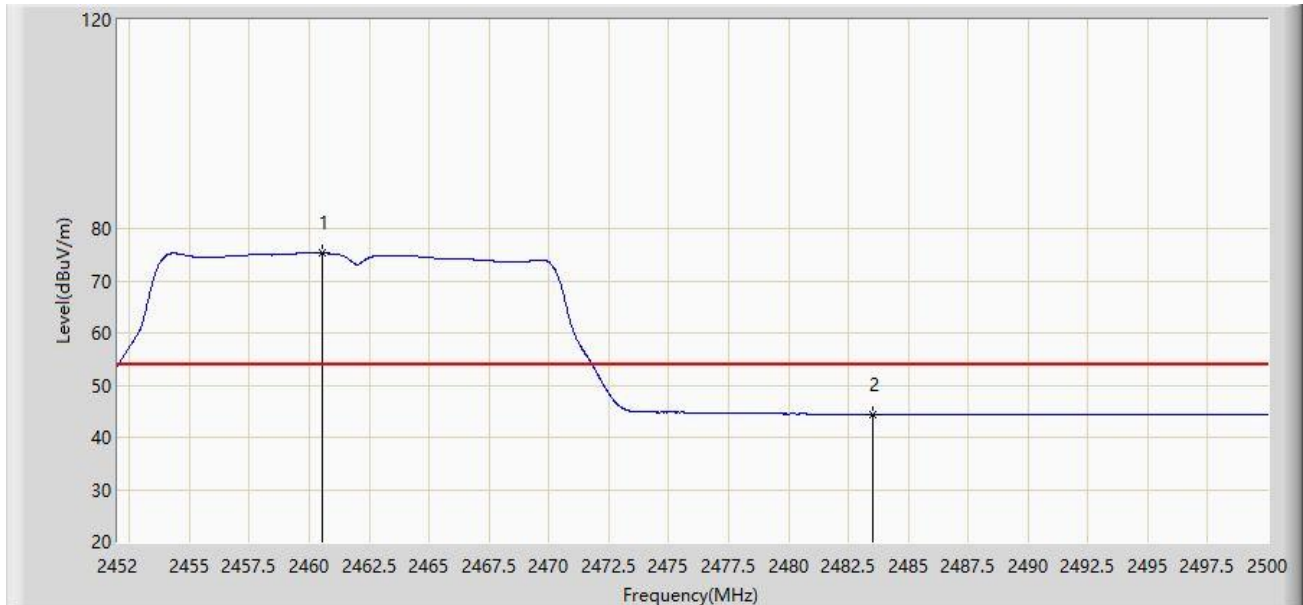


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2460.160	84.420	52.492	N/A	N/A	31.928	PK
2			2483.500	55.739	23.827	-18.261	74.000	31.912	PK
3			2489.056	57.865	25.965	-16.135	74.000	31.900	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC2	Time: 2021/11/25
Limit: FCC_Part15.209_RE(3m)	Engineer: Kin Xia
Probe: WZ-AC2_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: KANEGA003	Power: By Battery
Test Mode: Transmit by 802.11g at Channel 11	

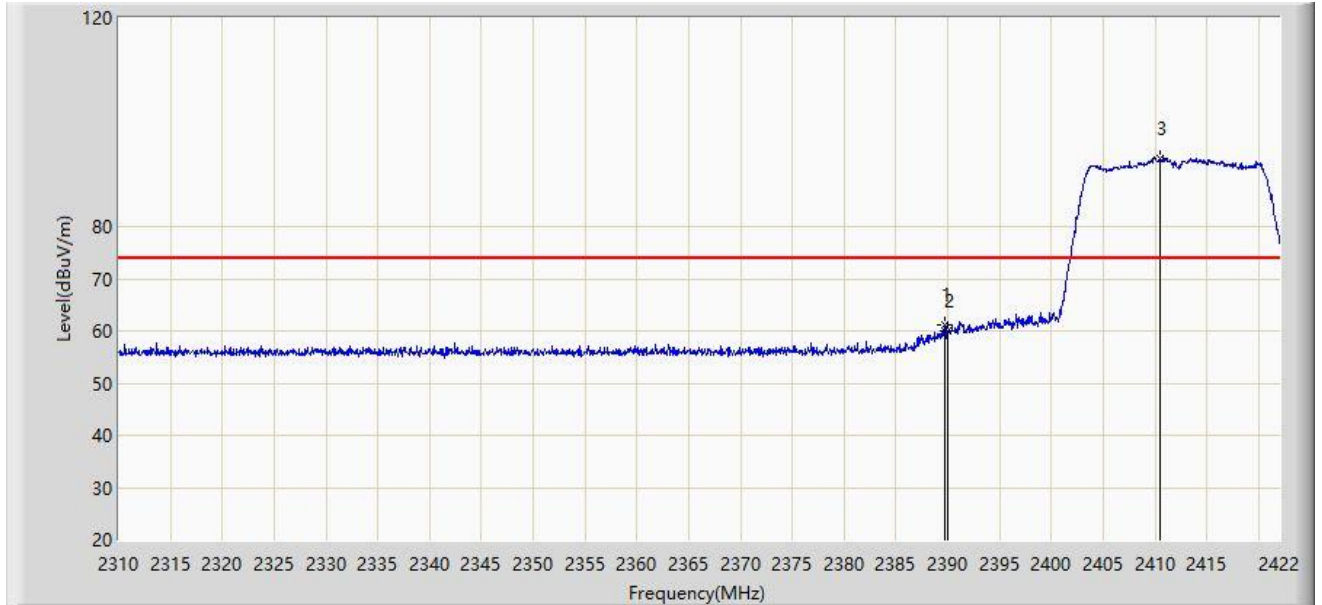


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1		*	2460.568	75.259	43.332	N/A	N/A	31.928	AV
2			2483.500	44.428	12.516	-9.572	54.000	31.912	AV

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC2	Time: 2021/11/25
Limit: FCC_Part15.209_RE(3m)	Engineer: Kin Xia
Probe: WZ-AC2_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: KANEGA003	Power: By Battery
Test Mode: Transmit by 802.11n-HT20 at Channel 01	

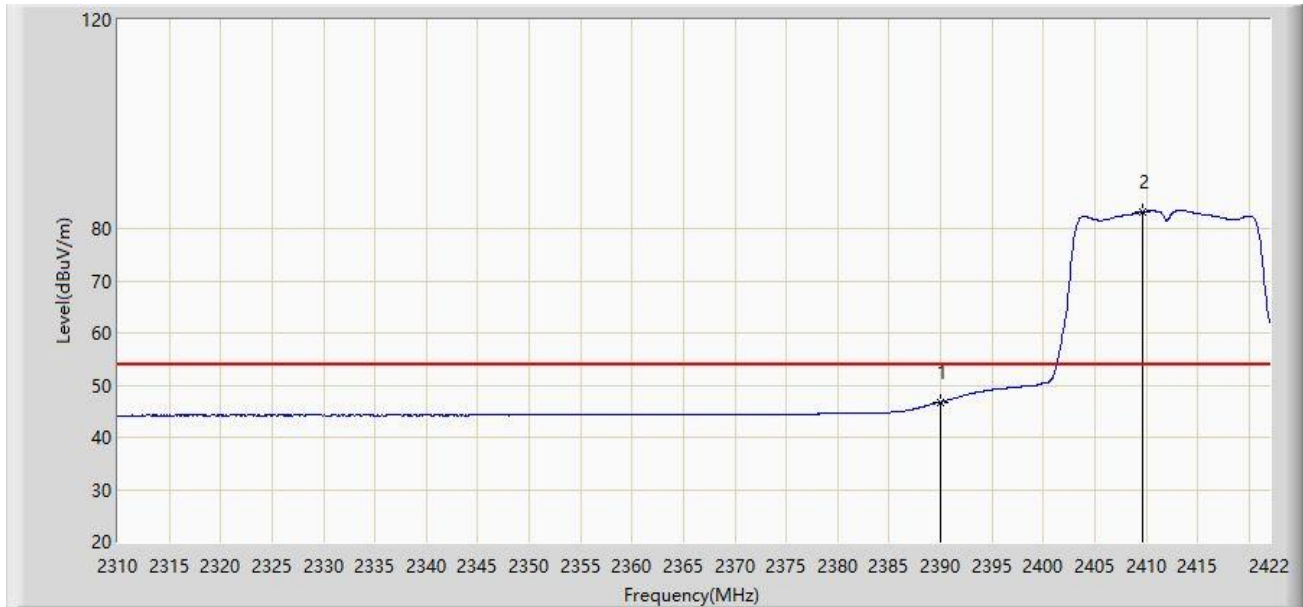


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2389.688	61.064	29.060	-12.936	74.000	32.004	PK
2			2390.000	60.008	28.005	-13.992	74.000	32.003	PK
3		*	2410.464	92.904	60.935	N/A	N/A	31.969	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC2	Time: 2021/11/25
Limit: FCC_Part15.209_RE(3m)	Engineer: Kin Xia
Probe: WZ-AC2_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: KANEGA003	Power: By Battery
Test Mode: Transmit by 802.11n-HT20 at Channel 01	

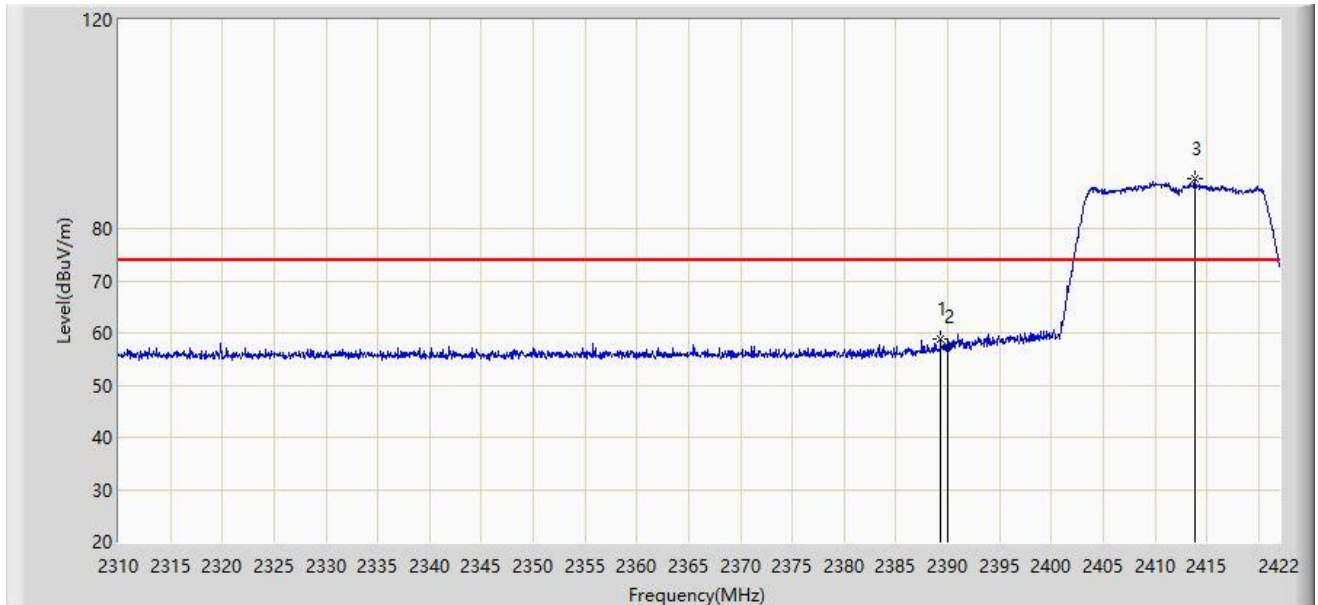


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2390.000	46.732	14.729	-7.268	54.000	32.003	AV
2		*	2409.624	83.230	51.260	N/A	N/A	31.971	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC2	Time: 2021/11/25
Limit: FCC_Part15.209_RE(3m)	Engineer: Kin Xia
Probe: WZ-AC2_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: KANEGA003	Power: By Battery
Test Mode: Transmit by 802.11n-HT20 at Channel 01	

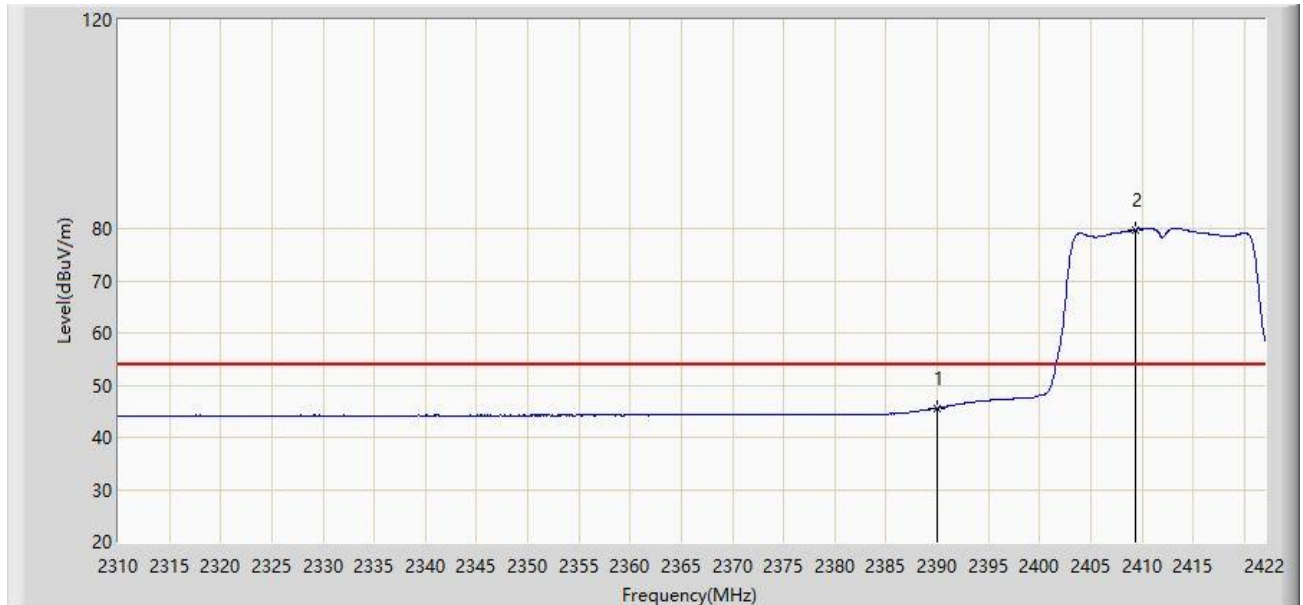


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1			2389.296	58.865	26.860	-15.135	74.000	32.005	PK
2			2390.000	57.462	25.459	-16.538	74.000	32.003	PK
3		*	2413.824	89.508	57.546	N/A	N/A	31.962	PK

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC2	Time: 2021/11/25
Limit: FCC_Part15.209_RE(3m)	Engineer: Kin Xia
Probe: WZ-AC2_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: KANEGA003	Power: By Battery
Test Mode: Transmit by 802.11n-HT20 at Channel 01	

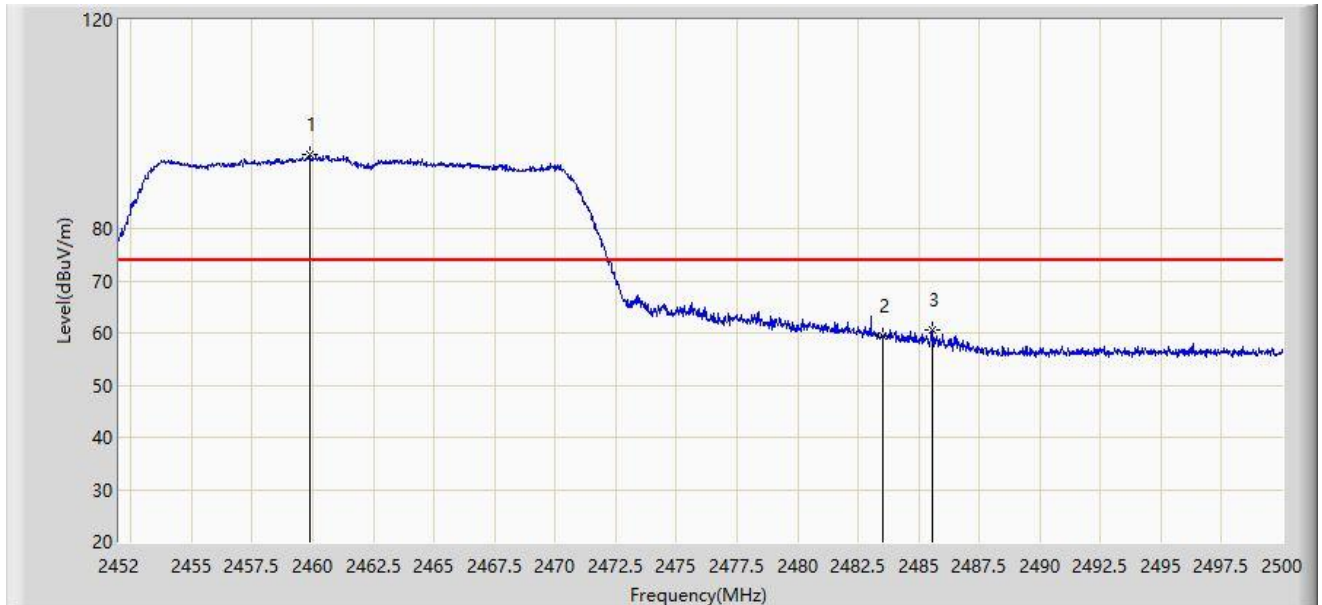


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1			2390.000	45.567	13.564	-8.433	54.000	32.003	AV
2		*	2409.400	79.796	47.825	N/A	N/A	31.971	AV

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC2	Time: 2021/11/25
Limit: FCC_Part15.209_RE(3m)	Engineer: Kin Xia
Probe: WZ-AC2_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: KANEGA003	Power: By Battery
Test Mode: Transmit by 802.11n-HT20 at Channel 11	

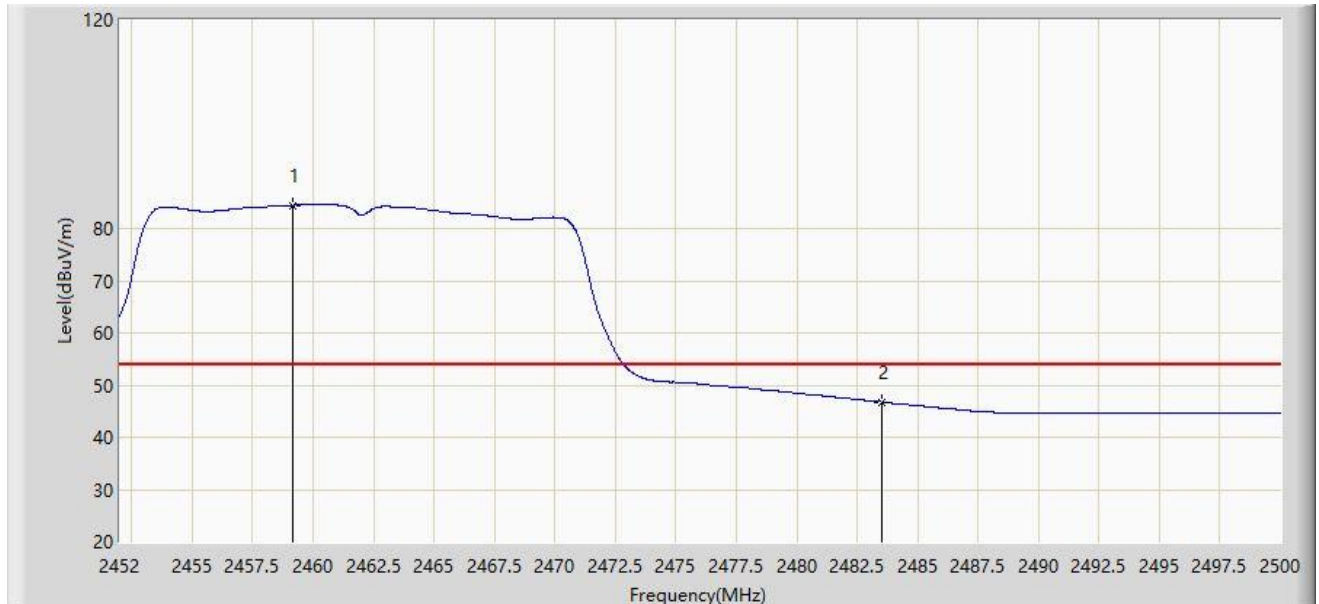


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2459.896	94.089	62.161	N/A	N/A	31.928	PK
2			2483.500	59.384	27.472	-14.616	74.000	31.912	PK
3			2485.552	60.698	28.790	-13.302	74.000	31.907	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC2	Time: 2021/11/25
Limit: FCC_Part15.209_RE(3m)	Engineer: Kin Xia
Probe: WZ-AC2_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: KANEGA003	Power: By Battery
Test Mode: Transmit by 802.11n-HT20 at Channel 11	

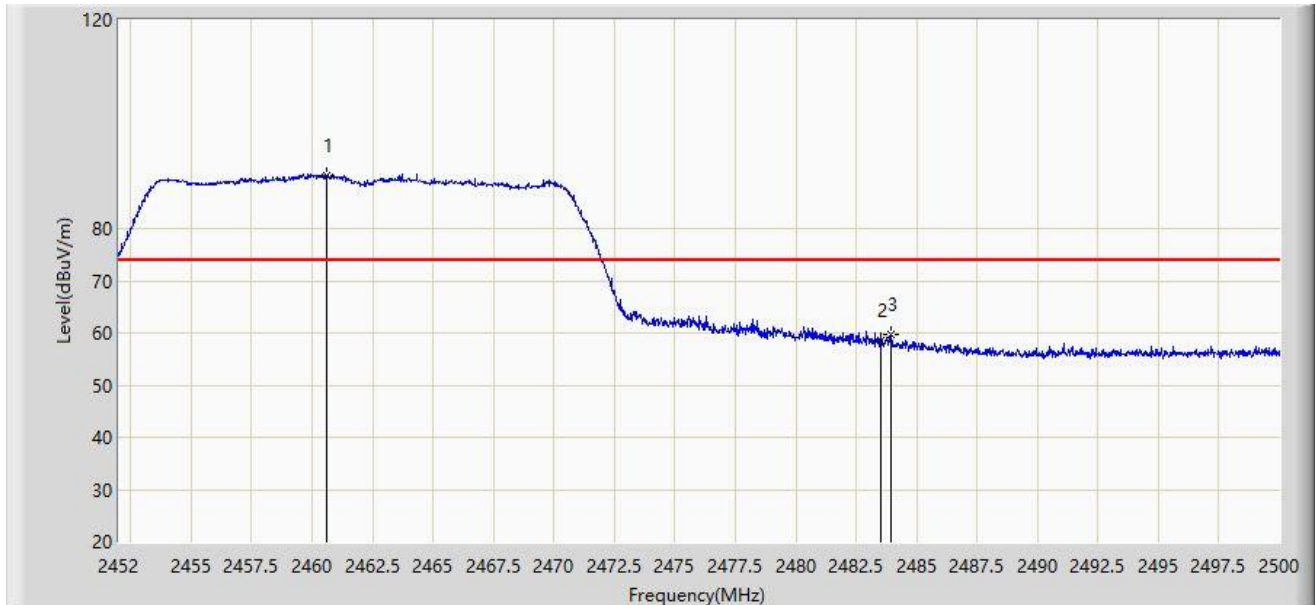


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2459.128	84.456	52.527	N/A	N/A	31.929	AV
2			2483.500	46.803	14.891	-7.197	54.000	31.912	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC2	Time: 2021/11/25
Limit: FCC_Part15.209_RE(3m)	Engineer: Kin Xia
Probe: WZ-AC2_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: KANEGA003	Power: By Battery
Test Mode: Transmit by 802.11n-HT20 at Channel 11	

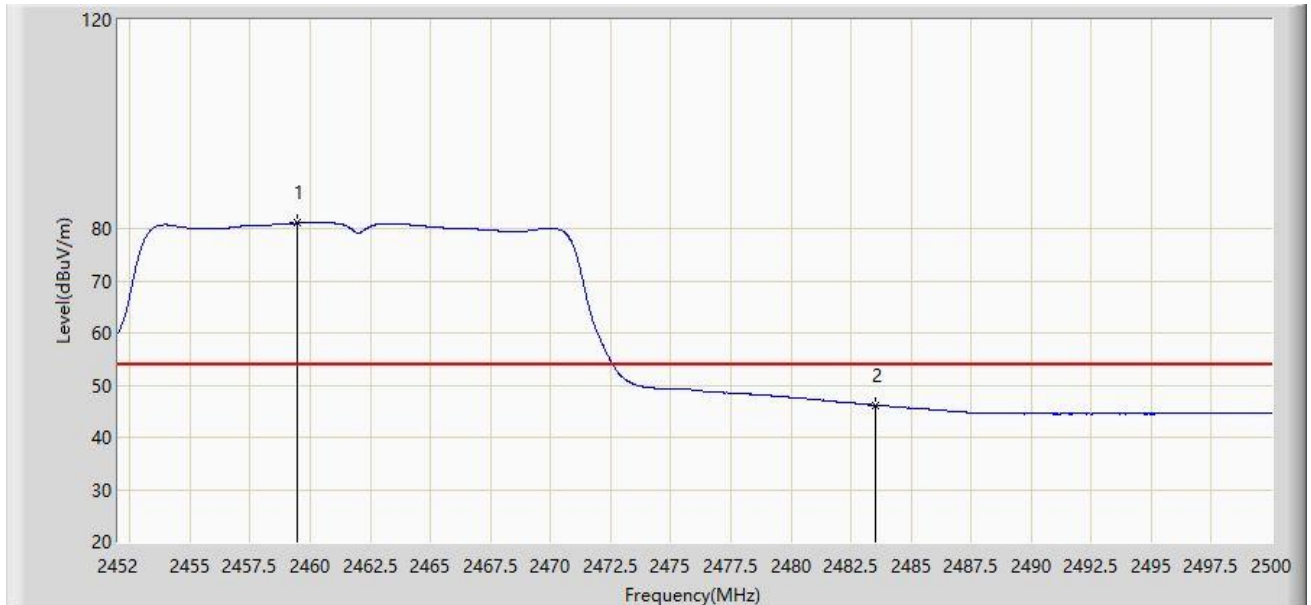


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1		*	2460.592	90.049	58.122	N/A	N/A	31.927	PK
2			2483.500	58.643	26.731	-15.357	74.000	31.912	PK
3			2483.920	59.750	27.839	-14.250	74.000	31.911	PK

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC2	Time: 2021/11/25
Limit: FCC_Part15.209_RE(3m)	Engineer: Kin Xia
Probe: WZ-AC2_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: KANEGA003	Power: By Battery
Test Mode: Transmit by 802.11n-HT20 at Channel 11	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2459.440	81.030	49.102	N/A	N/A	31.929	AV
2			2483.500	46.181	14.269	-7.819	54.000	31.912	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

5. CONCLUSION

The data collected relate only the item(s) tested and show that the device is in compliance with Part 15C of the FCC rules.

_____ The End _____

Appendix A - Test Setup Photograph

Refer to "2108RSU042-UT-1" file.

Appendix B - EUT Photograph

Refer to "2108RSU042-UE" file.