

# TEST REPORT

**Product Name** : OTT+Speaker  
**Brand Mark** : N/A  
**Model No.** : SEI810CCOA  
**FCC ID** : 2AOVU-SK330LA  
**Report Number** : BLA-EMC-202112-A7604  
**Date of Sample Receipt** : 2021/12/16  
**Date of Test** : 2021/12/16 to 2022/1/13  
**Date of Issue** : 2022/1/13  
**Test Standard** : 47 CFR Part 15, Subpart C 15.247  
**Test Result** : Pass

Prepared for:

**Shenzhen SEI Robotics Co., Ltd.**

**4th Floor, Productivity Building D, #5 Hi-Tech Middle 2nd Road, Shenzhen  
Hi-Tech Industrial Park, Nanshan District, Shenzhen, China**

Prepared by:

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Date:

2022/1/13



**REPORT REVISE RECORD**

<b>Version No.</b>	<b>Date</b>	<b>Description</b>
00	2022/1/13	Original
01	2022/1/14	Model no. change form SK330LA to SEI810CCOA

BlueAsia

## TABLE OF CONTENTS

<b>1</b>	<b>TEST SUMMARY.....</b>	<b>5</b>
<b>2</b>	<b>GENERAL INFORMATION.....</b>	<b>6</b>
<b>3</b>	<b>GENERAL DESCRIPTION OF E.U.T.....</b>	<b>6</b>
<b>4</b>	<b>TEST ENVIRONMENT.....</b>	<b>7</b>
<b>5</b>	<b>TEST MODE.....</b>	<b>7</b>
<b>6</b>	<b>MEASUREMENT UNCERTAINTY.....</b>	<b>7</b>
<b>7</b>	<b>DESCRIPTION OF SUPPORT UNIT.....</b>	<b>8</b>
<b>8</b>	<b>LABORATORY LOCATION.....</b>	<b>8</b>
<b>9</b>	<b>TEST INSTRUMENTS LIST.....</b>	<b>9</b>
<b>10</b>	<b>ANTENNA REQUIREMENT.....</b>	<b>12</b>
10.1	CONCLUSION.....	12
<b>11</b>	<b>RADIATED SPURIOUS EMISSIONS.....</b>	<b>13</b>
11.1	LIMITS.....	13
11.2	BLOCK DIAGRAM OF TEST SETUP.....	14
11.3	PROCEDURE.....	14
11.4	TEST DATA.....	16
<b>12</b>	<b>RADIATED EMISSIONS WHICH FALL IN THE RESTRICTED BANDS.....</b>	<b>24</b>
12.1	LIMITS.....	24
12.2	BLOCK DIAGRAM OF TEST SETUP.....	25
12.3	PROCEDURE.....	25
12.4	TEST DATA.....	27
<b>13</b>	<b>CONDUCTED SPURIOUS EMISSIONS.....</b>	<b>43</b>
13.1	LIMITS.....	43
13.2	BLOCK DIAGRAM OF TEST SETUP.....	43
13.3	TEST DATA.....	44
<b>14</b>	<b>CONDUCTED BAND EDGES MEASUREMENT.....</b>	<b>45</b>
14.1	LIMITS.....	45
14.2	BLOCK DIAGRAM OF TEST SETUP.....	45
14.3	TEST DATA.....	46

<b>15</b>	<b>MINIMUM 6DB BANDWIDTH.....</b>	<b>47</b>
15.1	LIMITS.....	47
15.2	BLOCK DIAGRAM OF TEST SETUP.....	47
15.3	TEST DATA.....	47
<b>16</b>	<b>POWER SPECTRUM DENSITY.....</b>	<b>48</b>
16.1	LIMITS.....	48
16.2	BLOCK DIAGRAM OF TEST SETUP.....	48
16.3	TEST DATA.....	48
<b>17</b>	<b>CONDUCTED PEAK OUTPUT POWER.....</b>	<b>49</b>
17.1	LIMITS.....	49
17.2	BLOCK DIAGRAM OF TEST SETUP.....	49
17.3	TEST DATA.....	50
<b>18</b>	<b>CONDUCTED EMISSIONS AT AC POWER LINE (150KHZ-30MHZ).....</b>	<b>51</b>
18.1	LIMITS.....	51
18.2	BLOCK DIAGRAM OF TEST SETUP.....	51
18.3	PROCEDURE.....	51
18.4	TEST DATA.....	53
<b>19</b>	<b>APPENDIX.....</b>	<b>55</b>
19.1	MAXIMUM CONDUCTED OUTPUT POWER.....	55
19.2	-6DB BANDWIDTH.....	68
19.3	OCCUPIED CHANNEL BANDWIDTH.....	81
19.4	MAXIMUM POWER SPECTRAL DENSITY LEVEL.....	94
19.5	BAND EDGE.....	107
19.6	CONDUCTED RF SPURIOUS EMISSION.....	124
<b>APPENDIX A: PHOTOGRAPHS OF TEST SETUP.....</b>		<b>149</b>
<b>APPENDIX B: PHOTOGRAPHS OF EUT.....</b>		<b>151</b>

## 1 TEST SUMMARY

Test item	Test Requirement	Test Method	Class/Severity	Result
Antenna Requirement	47 CFR Part 15, Subpart C 15.247	N/A	47 CFR Part 15, Subpart C 15.203 & 15.247(c)	Pass
Radiated Spurious Emissions	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.4,6.5,6.6	47 CFR Part 15, Subpart C 15.209 & 15.247(d)	Pass
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.209 & 15.247(d)	Pass
Conducted Spurious Emissions	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 7.8.6 & Section 11.11	47 CFR Part 15, Subpart C 15.247(d)	Pass
Conducted Band Edges Measurement	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 7.8.8 & Section 11.13.3.2	47 CFR Part 15, Subpart C 15.247(d)	Pass
Minimum 6dB Bandwidth	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 11.8.1	47 CFR Part 15, Subpart C 15.247a(2)	Pass
Power Spectrum Density	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 11.10.2	47 CFR Part 15, Subpart C 15.247(e)	Pass
Conducted Peak Output Power	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 7.8.5 & Section 11.9.1	47 CFR Part 15, Subpart C 15.247(b)(1) & 15.247(b)(3)	Pass
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207	Pass

## 2 GENERAL INFORMATION

<b>Applicant</b>	Shenzhen SEI Robotics Co., Ltd.
<b>Address</b>	4th Floor, Productivity Building D, #5 Hi-Tech Middle 2nd Road, Shenzhen Hi-Tech Industrial Park, Nanshan District, Shenzhen, China
<b>Manufacturer</b>	Shenzhen SEI Robotics Co., Ltd.
<b>Address</b>	4th Floor, Productivity Building D, #5 Hi-Tech Middle 2nd Road, Shenzhen Hi-Tech Industrial Park, Nanshan District, Shenzhen, China
<b>Factory</b>	Shenzhen SEI Robotics Co., Ltd.
<b>Address</b>	4th Floor, Productivity Building D, #5 Hi-Tech Middle 2nd Road, Shenzhen Hi-Tech Industrial Park, Nanshan District, Shenzhen, China
<b>Product Name</b>	OTT+Speaker
<b>Test Model No.</b>	SEI810CCOA

## 3 GENERAL DESCRIPTION OF E.U.T.

<b>Hardware Version</b>	SMB.263.08
<b>Software Version</b>	v10.8.245
<b>Operation Frequency:</b>	802.11b/g/n(HT20): 2412MHz to 2462MHz 802.11n(HT40): 2422MHz to 2452MHz
<b>Modulation Type:</b>	802.11b: DSSS (CCK, DQPSK, DBPSK) 802.11g/n: OFDM (64QAM, 16QAM, QPSK, BPSK)
<b>Channel Spacing:</b>	5MHz
<b>Number of Channels:</b>	802.11b/g/n(HT20):11 802.11n(HT40):7
<b>Antenna Type:</b>	Internal Antenna
<b>Antenna Gain:</b>	5dBi(Provided by the applicant)
<b>Remark</b>	802.11b/g HT20):SISO 802.11n (HT20/HT40):MIMO

#### 4 TEST ENVIRONMENT

Environment	Temperature	Voltage
Normal	25°C	12Vdc

#### 5 TEST MODE

TEST MODE	TEST MODE DESCRIPTION
Transmitting mode	Keep the EUT in continuously transmitting mode with modulation. (The duty cycle is greater than 98%)
Remark: Full battery is used during all test except ac conducted emission, 802.11b/g/n(HT20) and 802.11n(HT40) all have been tested, During the radiated spurious emission test, 802.11b/11g/11nH20/11nH40 modulations all have been tested, only worse case 802.11g is reported.	

#### 6 MEASUREMENT UNCERTAINTY

Parameter	Expanded Uncertainty (Confidence of 95%)
Radiated Emission(9kHz-30MHz)	±4.34dB
Radiated Emission(30Mz-1000MHz)	±4.24dB
Radiated Emission(1GHz-18GHz)	±4.68dB
AC Power Line Conducted Emission(150kHz-30MHz)	±3.45dB

## 7 DESCRIPTION OF SUPPORT UNIT

Device Type	Manufacturer	Model Name	Serial No.	Remark
PC	N/A	N/A	N/A	N/A

## 8 LABORATORY LOCATION

All tests were performed at:  
BlueAsia of Technical Services(Shenzhen) Co., Ltd.  
Building C, No. 107, Shihuan Road, Shiyuan Sub-District, Baoan District, Shenzhen, Guangdong Province,  
China  
Telephone: TEL: +86-755-28682673 FAX: +86-755-28682673  
No tests were sub-contracted.



## 9 TEST INSTRUMENTS LIST

Test Equipment Of Radiated Spurious Emissions					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Chamber	SKET	966	N/A	10/11/2020	9/11/2023
Spectrum	R&S	FSP40	100817	24/9/2021	23/9/2022
Receiver	R&S	ESR7	101199	24/9/2021	23/9/2022
broadband Antenna	Schwarzbeck	VULB9168	00836 P:00227	26/9/2020	25/9/2022
Horn Antenna	Schwarzbeck	9120D	01892 P:00331	26/9/2020	25/9/2022
Amplifier	SKET	LNPA-0118-45	N/A	24/9/2021	23/9/2022
EMI software	EZ	EZ-EMC	N/A	N/A	N/A
Loop antenna	SCHNARZBECK	FMZB1519B	00102	26/9/2020	25/9/2022

Test Equipment Of Radiated Emissions which fall in the restricted bands					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Chamber	SKET	966	N/A	10/11/2020	9/11/2023
Spectrum	R&S	FSP40	100817	24/9/2021	23/9/2022
Receiver	R&S	ESR7	101199	24/9/2021	23/9/2022
broadband Antenna	Schwarzbeck	VULB9168	00836 P:00227	26/9/2020	25/9/2022
Horn Antenna	Schwarzbeck	9120D	01892 P:00331	26/9/2020	25/9/2022
Amplifier	SKET	LNPA-0118-45	N/A	24/9/2021	23/9/2022
EMI software	EZ	EZ-EMC	N/A	N/A	N/A
Loop antenna	SCHNARZBECK	FMZB1519B	00102	26/9/2020	25/9/2022

<b>Test Equipment Of Conducted Spurious Emissions</b>					
<b>Equipment</b>	<b>Manufacturer</b>	<b>Model</b>	<b>S/N</b>	<b>Cal.Date</b>	<b>Cal.Due</b>
Spectrum	R&S	FSP40	100817	24/9/2021	23/9/2022
Spectrum	Agilent	N9020A	MY49100060	24/9/2021	23/9/2022
Signal Generator	Agilent	N5182A	MY49060650	24/9/2021	23/9/2022
Signal Generator	Agilent	E8257D	MY44320250	24/9/2021	23/9/2022

<b>Test Equipment Of Conducted Band Edges Measurement</b>					
<b>Equipment</b>	<b>Manufacturer</b>	<b>Model</b>	<b>S/N</b>	<b>Cal.Date</b>	<b>Cal.Due</b>
Spectrum	R&S	FSP40	100817	24/9/2021	23/9/2022
Spectrum	Agilent	N9020A	MY49100060	24/9/2021	23/9/2022
Signal Generator	Agilent	N5182A	MY49060650	24/9/2021	23/9/2022
Signal Generator	Agilent	E8257D	MY44320250	24/9/2021	23/9/2022

<b>Test Equipment Of Minimum 6dB Bandwidth</b>					
<b>Equipment</b>	<b>Manufacturer</b>	<b>Model</b>	<b>S/N</b>	<b>Cal.Date</b>	<b>Cal.Due</b>
Spectrum	R&S	FSP40	100817	24/9/2021	23/9/2022
Spectrum	Agilent	N9020A	MY49100060	24/9/2021	23/9/2022
Signal Generator	Agilent	N5182A	MY49060650	24/9/2021	23/9/2022
Signal Generator	Agilent	E8257D	MY44320250	24/9/2021	23/9/2022

<b>Test Equipment Of Power Spectrum Density</b>					
<b>Equipment</b>	<b>Manufacturer</b>	<b>Model</b>	<b>S/N</b>	<b>Cal.Date</b>	<b>Cal.Due</b>
Spectrum	R&S	FSP40	100817	24/9/2021	23/9/2022

Spectrum	Agilent	N9020A	MY49100060	24/9/2021	23/9/2022
Signal Generator	Agilent	N5182A	MY49060650	24/9/2021	23/9/2022
Signal Generator	Agilent	E8257D	MY44320250	24/9/2021	23/9/2022

**Test Equipment Of Conducted Peak Output Power**

Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Spectrum	R&S	FSP40	100817	24/9/2021	23/9/2022
Spectrum	Agilent	N9020A	MY49100060	24/9/2021	23/9/2022
Signal Generator	Agilent	N5182A	MY49060650	24/9/2021	23/9/2022
Signal Generator	Agilent	E8257D	MY44320250	24/9/2021	23/9/2022

**Test Equipment Of Conducted Emissions at AC Power Line (150kHz-30MHz)**

Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Shield room	SKET	833	N/A	25/11/2020	24/11/2023
Receiver	R&S	ESPI3	101082	24/9/2021	23/9/2022
LISN	R&S	ENV216	3560.6550.15	24/9/2021	23/9/2022
LISN	AT	AT166-2	AKK1806000003	26/9/2021	25/9/2022
EMI software	EZ	EZ-EMC	N/A	N/A	N/A

## 10 ANTENNA REQUIREMENT

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	N/A

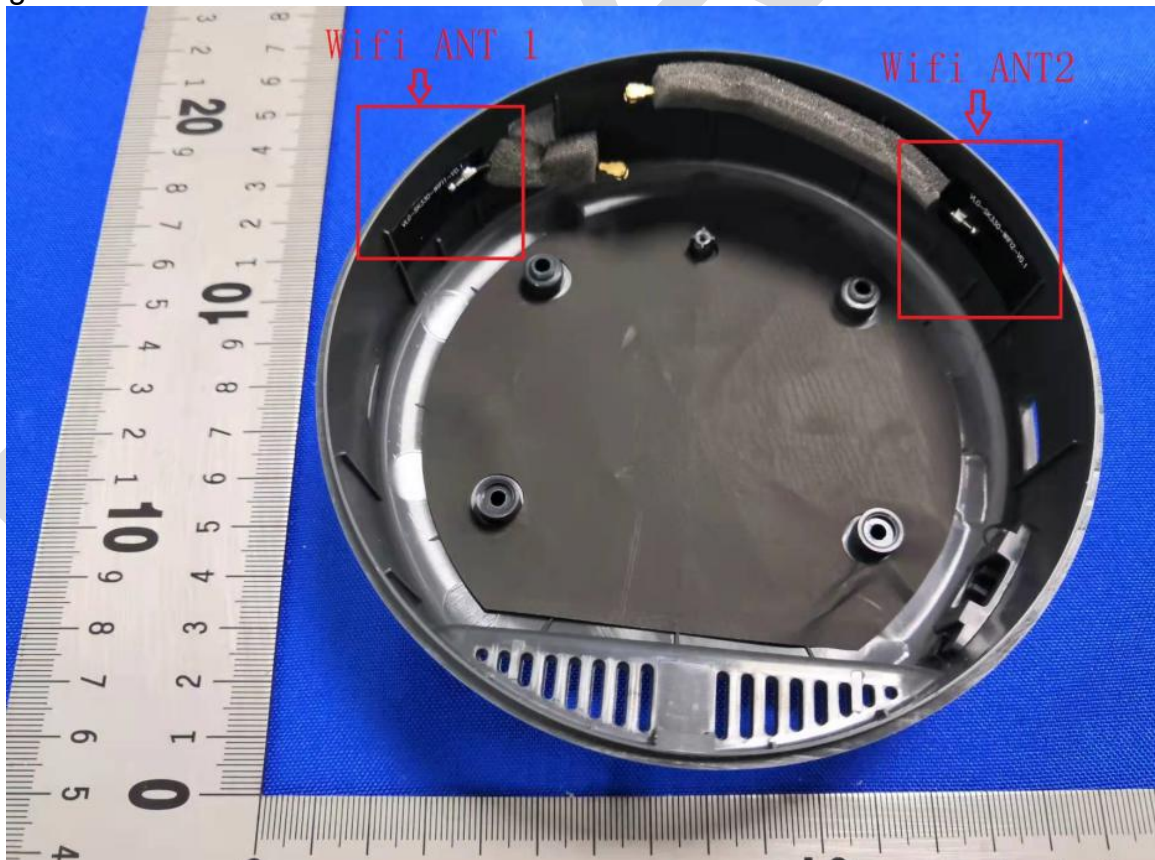
### 10.1 CONCLUSION

Standard 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 an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit permanently attached antenna or of an so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 5dBi.



## 11 RADIATED SPURIOUS EMISSIONS

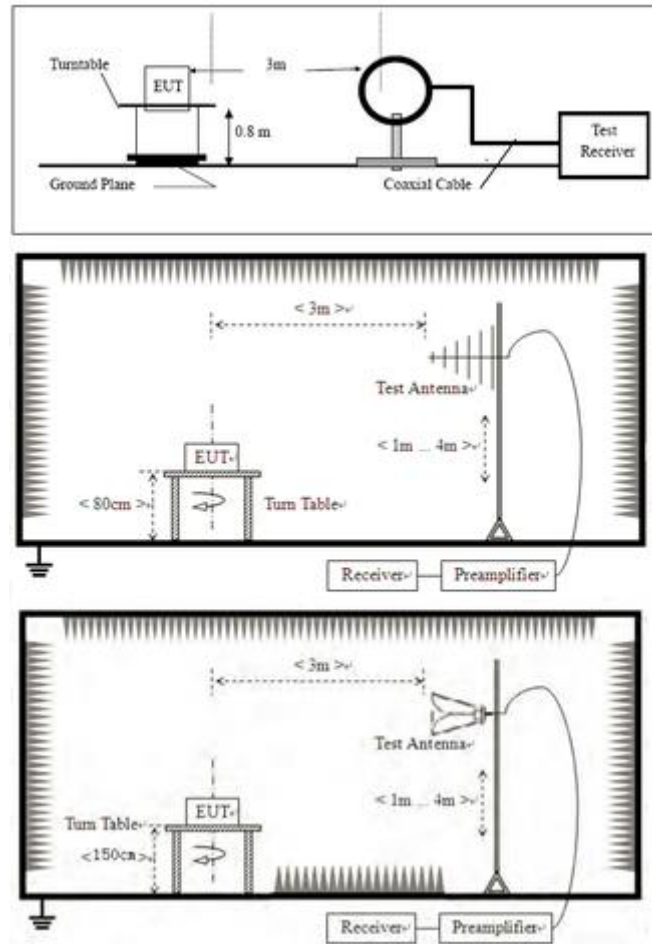
<b>Test Standard</b>	47 CFR Part 15, Subpart C 15.247
<b>Test Method</b>	ANSI C63.10 (2013) Section 6.4,6.5,6.6
<b>Test Mode (Pre-Scan)</b>	TX
<b>Test Mode (Final Test)</b>	TX
<b>Tester</b>	Jozu
<b>Temperature</b>	25°C
<b>Humidity</b>	60%

### 11.1 LIMITS

<b>Frequency(MHz)</b>	<b>Field strength(microvolts/meter)</b>	<b>Measurement distance(meters)</b>
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

## 11.2 BLOCK DIAGRAM OF TEST SETUP



## 11.3 PROCEDURE

- For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- 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.
- 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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- 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.

- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

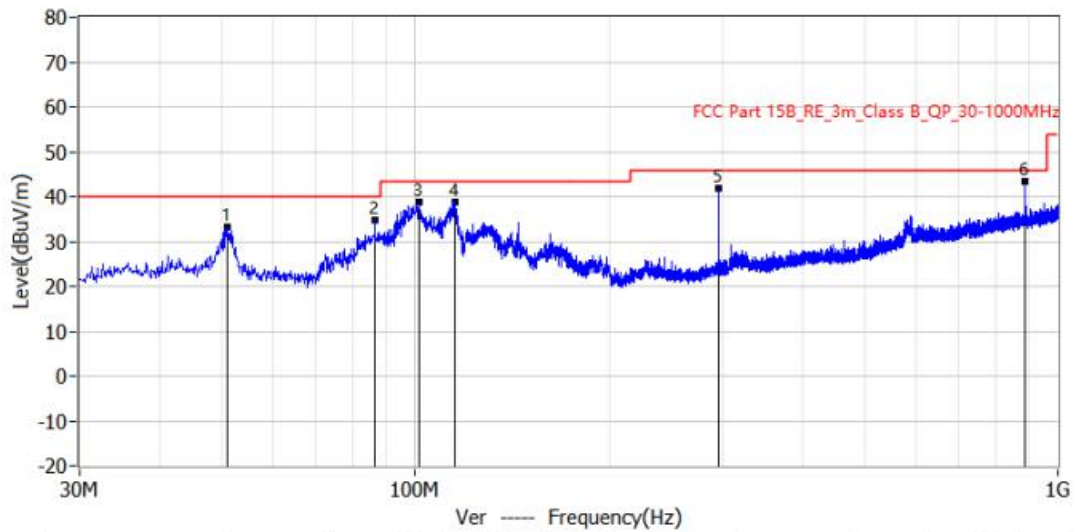
Remark:

- 1) For emission below 1GHz, through pre-scan found the worst case is the lowest channel. Only the worst case is recorded in the report.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:  
Final Test Level = Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor
- 3) Scan from 9kHz to 25GHz, the disturbance above 12.75GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported. fundamental frequency is blocked by filter, and only spurious emission is shown.
- 4) For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

### 11.4 TEST DATA

[TestMode: TX below 1G]; [Polarity: Vertical]

Test Lab: BlueAsia EMC Lab (RE #1)	Project: BLA-EMC-202112-A76
EUT: OTT+Speaker	Test Engineer: York
M/N: SK330LA	Temperature:
S/N:	Humidity:
Test Mode: 2.4Gwifi mode	Test Voltage:
Note:	Test Data: 2021-12-21 13:46:34



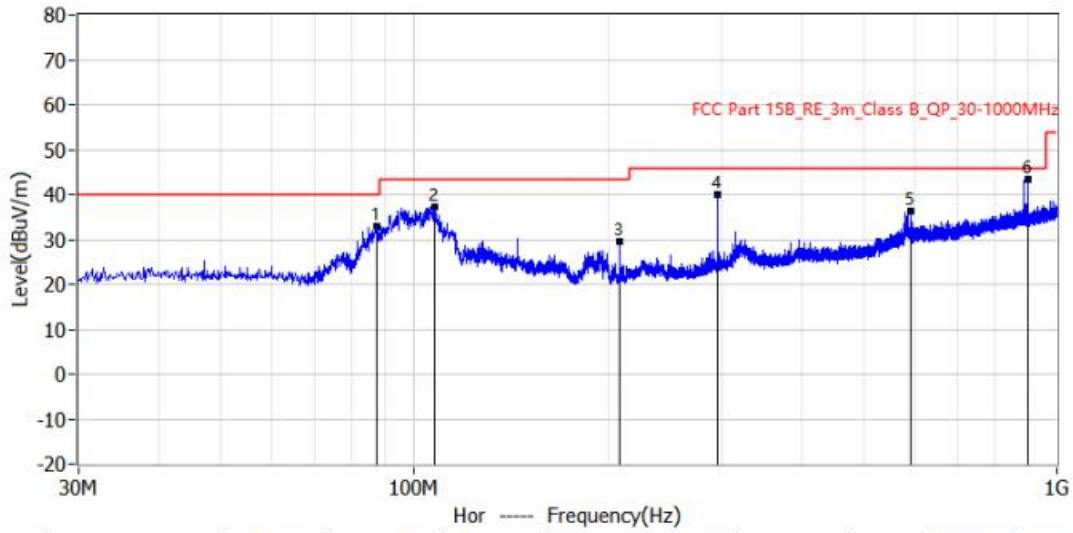
No.	Frequency	Limit dBuV/m	Level dBuV/m	Delta dB	Reading dBuV	Factor dB/m	Detector	Polar	Height cm	Angle deg
1*	50.976MHz	40.0	33.2	-6.8	9.4	23.8	QP	Ver	100.0	138.0
2*	86.381MHz	40.0	34.9	-5.1	15.4	19.5	QP	Ver	100.0	41.0
3*	101.053MHz	43.5	38.8	-4.7	18.1	20.7	QP	Ver	100.0	38.0
4*	114.996MHz	43.5	38.8	-4.7	16.6	22.2	QP	Ver	100.0	179.0
5*	296.629MHz	46.0	41.9	-4.1	17.9	24.0	QP	Ver	100.0	160.0
6*	890.148MHz	46.0	43.5	-2.5	8.6	34.9	QP	Ver	100.0	213.0

**Test Result: Pass**



[TestMode: TX below 1G]; [Polarity: Horizontal]

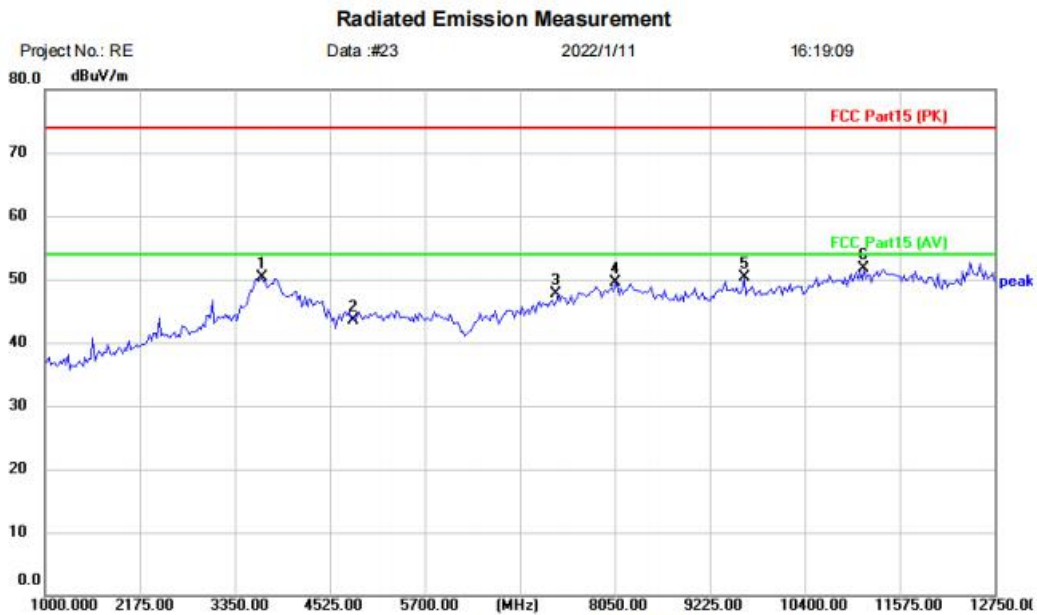
Test Lab: BlueAsia EMC Lab ( RE #1 )	Project: BLA-EMC-202112-A76
EUT: OTT+Speaker	Test Engineer: York
M/N: SK330LA	Temperature:
S/N:	Humidity:
Test Mode: 2.4Gwifi mode	Test Voltage:
Note:	Test Data: 2021-12-21 13:48:24



No.	Frequency	Limit dBuV/m	Level dBuV/m	Delta dB	Reading dBuV	Factor dB/m	Detector	Polar	Height cm	Angle deg
1*	87.230MHz	40.0	32.9	-7.1	13.5	19.4	QP	Hor	100.0	190.0
2*	107.600MHz	43.5	37.3	-6.2	15.9	21.4	QP	Hor	100.0	28.0
3*	208.844MHz	43.5	29.6	-13.9	8.5	21.1	QP	Hor	100.0	31.0
4*	296.750MHz	46.0	39.9	-6.1	15.9	24.0	QP	Hor	100.0	324.0
5*	593.328MHz	46.0	36.3	-9.7	5.2	31.1	QP	Hor	100.0	68.0
6*	899.484MHz	46.0	43.3	-2.7	8.3	35.0	QP	Hor	100.0	296.0

**Test Result: Pass**

[TestMode: TX low channel]; [Polarity: Horizontal]



Site:      Polarization: **Horizontal**      Temperature: (C)  
 Limit: FCC Part15 (PK)      Power:      Humidity: %RH  
 EUT: Car Kit WiFi Module  
 M/N: WF-M574-JK  
 Mode: 2.4G-B-TX-L  
 Note:

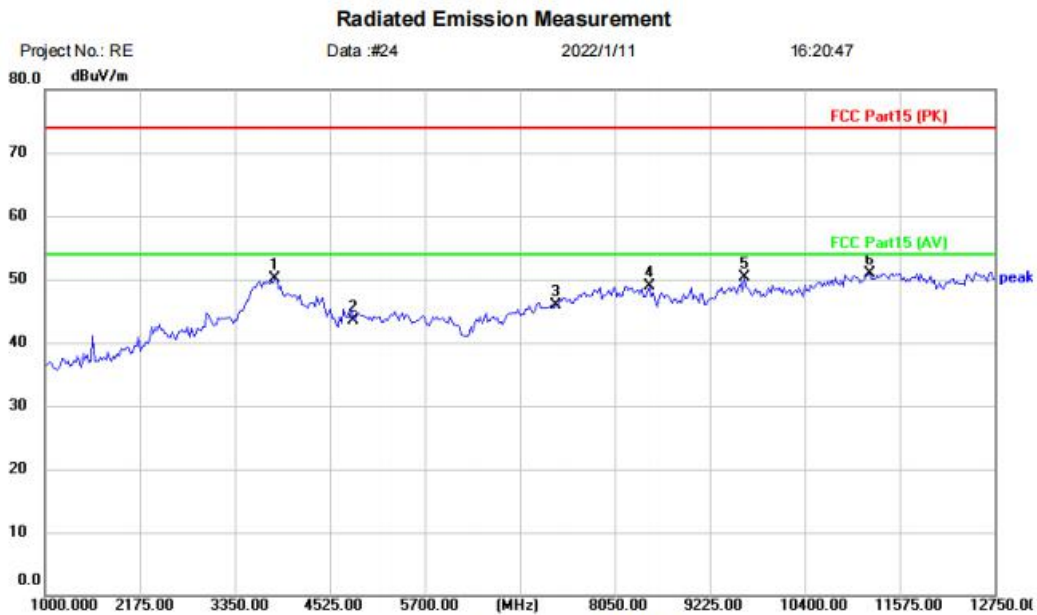
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		3679.000	42.66	7.73	50.39	74.00	-23.61	peak	
2		4824.000	39.89	3.62	43.51	74.00	-30.49	peak	
3		7326.000	41.20	6.44	47.64	74.00	-26.36	peak	
4		8050.000	41.41	8.01	49.42	74.00	-24.58	peak	
5		9648.000	40.92	9.37	50.29	74.00	-23.71	peak	
6	*	11128.500	39.75	12.02	51.77	74.00	-22.23	peak	

\*:Maximum data    x:Over limit    !:over margin

(Reference Only)

**Test Result: Pass**

[TestMode: TX low channel]; [Polarity: Vertical]



Site:      Polarization: **Vertical**      Temperature: (C)  
 Limit: FCC Part15 (PK)      Power:      Humidity: %RH  
 EUT: Car Kit WiFi Module  
 M/N: WF-M574-JK  
 Mode: 2.4G-B-TX-L  
 Note:

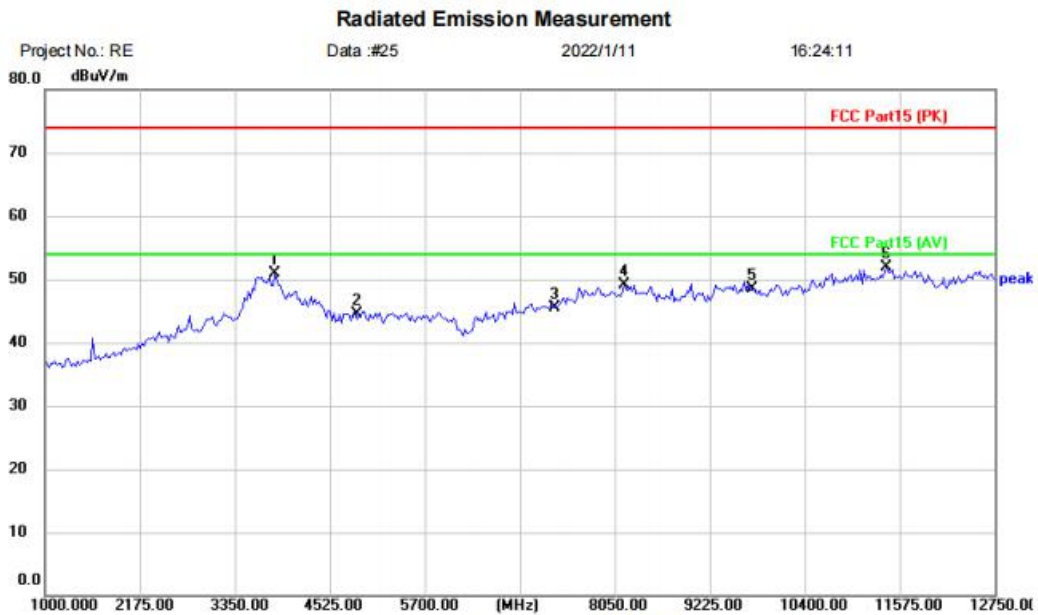
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		3843.500	43.00	7.12	50.12	74.00	-23.88	peak	
2		4824.000	39.83	3.62	43.45	74.00	-30.55	peak	
3		7326.000	39.51	6.44	45.95	74.00	-28.05	peak	
4		8473.000	40.83	8.17	49.00	74.00	-25.00	peak	
5		9648.000	40.85	9.37	50.22	74.00	-23.78	peak	
6	*	11199.000	38.84	12.04	50.88	74.00	-23.12	peak	

\*:Maximum data    x:Over limit    !:over margin

(Reference Only)

**Test Result: Pass**

[TestMode: TX mid channel]; [Polarity: Vertical]



Site:      Polarization: **Vertical**      Temperature: (C)  
 Limit: FCC Part15 (PK)      Power:      Humidity: %RH  
 EUT: Car Kit WiFi Module  
 M/N: WF-M574-JK  
 Mode: 2.4G-B-TX-M  
 Note:

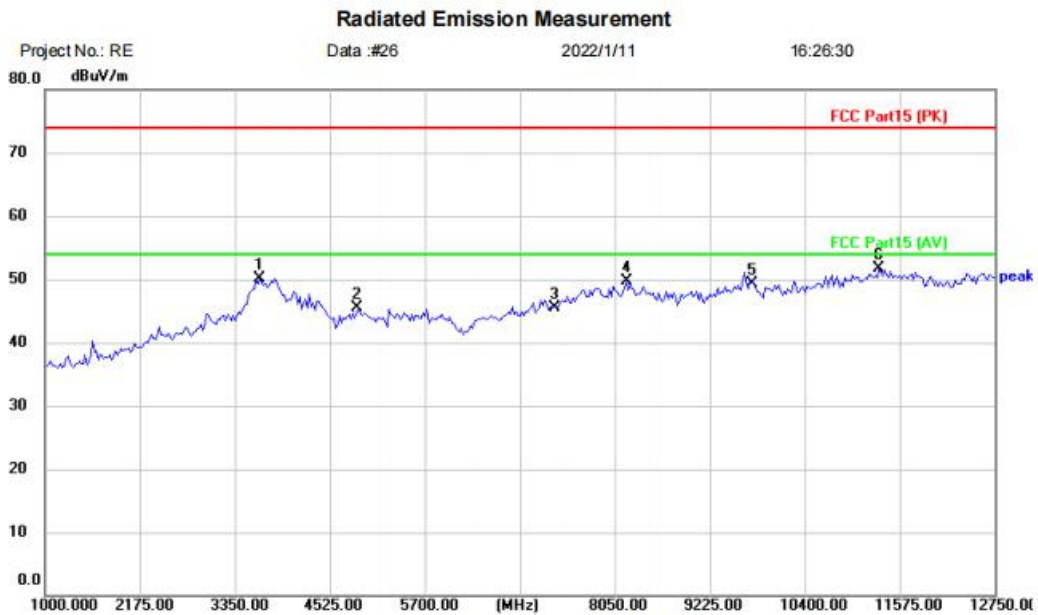
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		3843.500	43.78	7.12	50.90	74.00	-23.10	peak	
2		4874.000	41.18	3.39	44.57	74.00	-29.43	peak	
3		7311.000	39.19	6.37	45.56	74.00	-28.44	peak	
4		8167.500	40.88	8.17	49.05	74.00	-24.95	peak	
5		9748.000	39.01	9.59	48.60	74.00	-25.40	peak	
6	*	11410.500	40.09	11.78	51.87	74.00	-22.13	peak	

\*:Maximum data    x:Over limit    !:over margin

(Reference Only)

**Test Result: Pass**

[TestMode: TX mid channel]; [Polarity: Horizontal]



Site:      Polarization: **Horizontal**      Temperature: (C)  
 Limit: FCC Part15 (PK)      Power:      Humidity: %RH  
 EUT: Car Kit WiFi Module  
 M/N: WF-M574-JK  
 Mode: 2.4G-B-TX-M  
 Note:

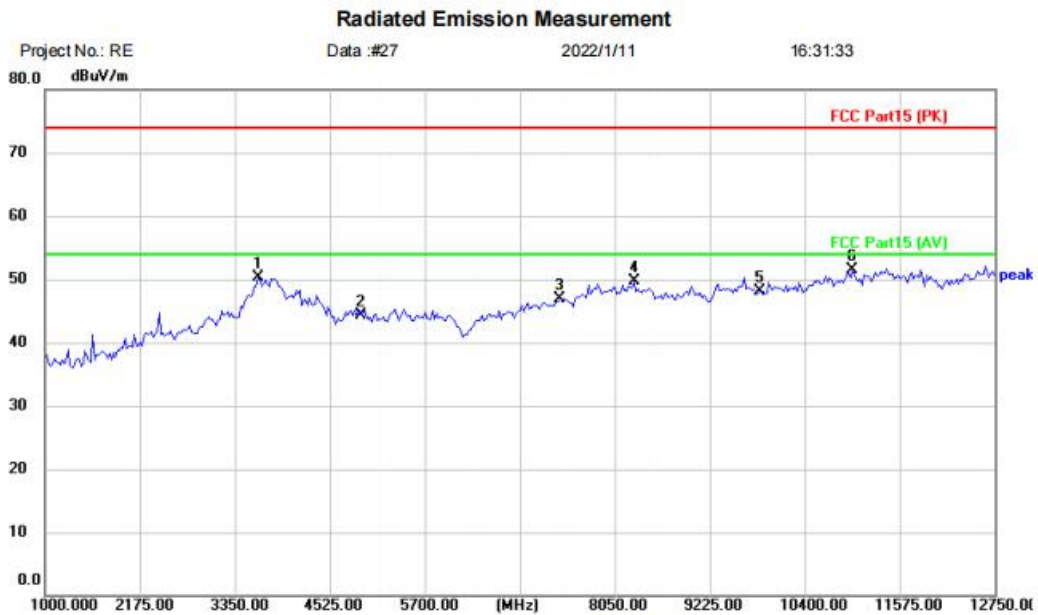
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		3655.500	42.36	7.76	50.12	74.00	-23.88	peak	
2		4874.000	42.09	3.39	45.48	74.00	-28.52	peak	
3		7311.000	39.21	6.37	45.58	74.00	-28.42	peak	
4		8191.000	41.48	8.20	49.68	74.00	-24.32	peak	
5		9748.000	39.73	9.59	49.32	74.00	-24.68	peak	
6	*	11316.500	39.80	11.88	51.68	74.00	-22.32	peak	

\*:Maximum data    x:Over limit    !:over margin

(Reference Only)

**Test Result: Pass**

[TestMode: TX high channel]; [Polarity: Horizontal]



Site:      Polarization: **Horizontal**      Temperature: (C)  
 Limit: FCC Part15 (PK)      Power:      Humidity: %RH  
 EUT: Car Kit WiFi Module  
 M/N: WF-M574-JK  
 Mode: 2.4G-B-TX-H  
 Note:

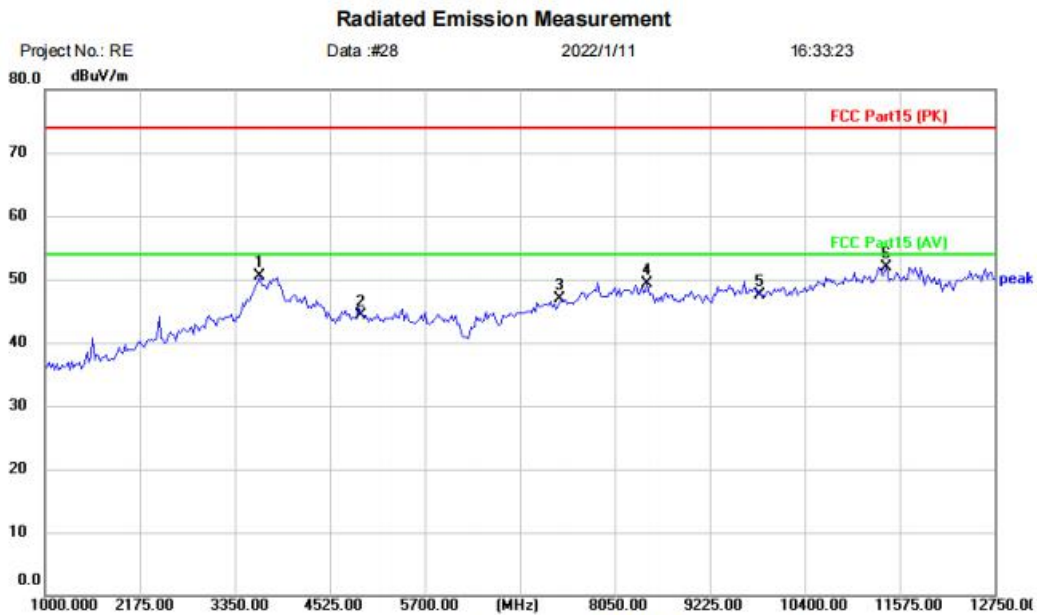
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		3632.000	42.54	7.77	50.31	74.00	-23.69	peak	
2		4924.000	40.91	3.46	44.37	74.00	-29.63	peak	
3		7386.000	40.23	6.68	46.91	74.00	-27.09	peak	
4		8285.000	41.37	8.24	49.61	74.00	-24.39	peak	
5		9848.000	38.22	9.88	48.10	74.00	-25.90	peak	
6	*	10987.500	39.49	11.98	51.47	74.00	-22.53	peak	

\*:Maximum data    x:Over limit    !:over margin

(Reference Only)

**Test Result: Pass**

[TestMode: TX high channel]; [Polarity: Vertical]



Site:      Polarization: **Vertical**      Temperature: (C)  
 Limit: FCC Part15 (PK)      Power:      Humidity: %RH  
 EUT: Car Kit WiFi Module  
 M/N: WF-M574-JK  
 Mode: 2.4G-B-TX-H  
 Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		3655.500	42.81	7.76	50.57	74.00	-23.43	peak	
2		4924.000	40.89	3.46	44.35	74.00	-29.65	peak	
3		7386.000	40.20	6.68	46.88	74.00	-27.12	peak	
4		8449.500	41.02	8.20	49.22	74.00	-24.78	peak	
5		9848.000	37.65	9.88	47.53	74.00	-26.47	peak	
6	*	11410.500	40.13	11.78	51.91	74.00	-22.09	peak	

\*:Maximum data    x:Over limit    !:over margin

(Reference Only)

### Test Result: Pass

Remark: During the test, pre-scan the 802.11b/g/n mode, and found the 802.11g mode which it is worse case.

## 12 RADIATED EMISSIONS WHICH FALL IN THE RESTRICTED BANDS

<b>Test Standard</b>	47 CFR Part 15, Subpart C 15.247
<b>Test Method</b>	ANSI C63.10 (2013) Section 6.10.5
<b>Test Mode (Pre-Scan)</b>	TX
<b>Test Mode (Final Test)</b>	TX
<b>Tester</b>	Jozu
<b>Temperature</b>	25°C
<b>Humidity</b>	60%

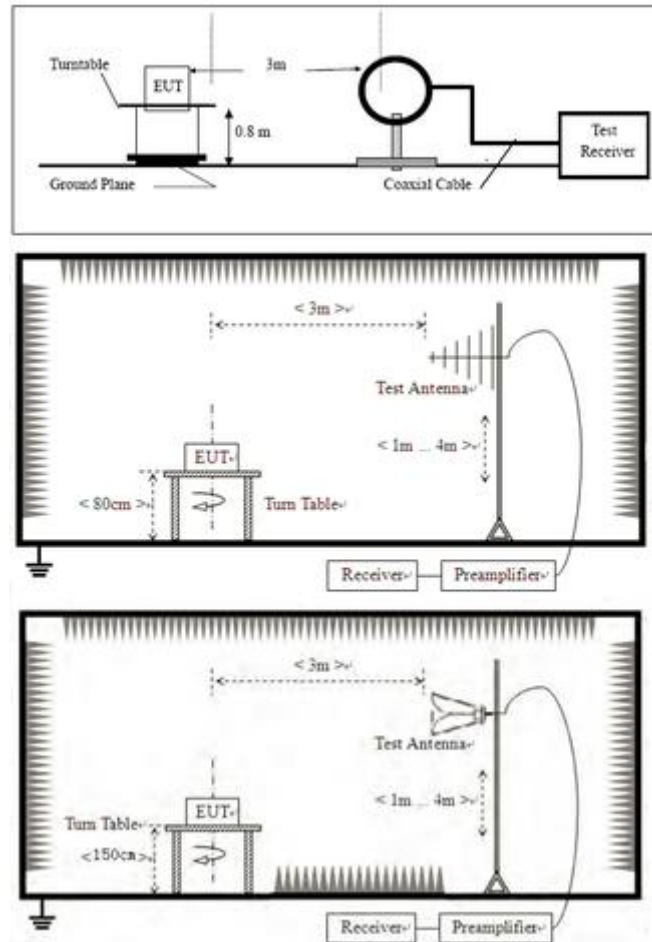
### 12.1 LIMITS

<b>Frequency(MHz)</b>	<b>Field strength(microvolts/meter)</b>	<b>Measurement distance(meters)</b>
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.



## 12.2 BLOCK DIAGRAM OF TEST SETUP



## 12.3 PROCEDURE

- For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- 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.
- 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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- 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.

- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

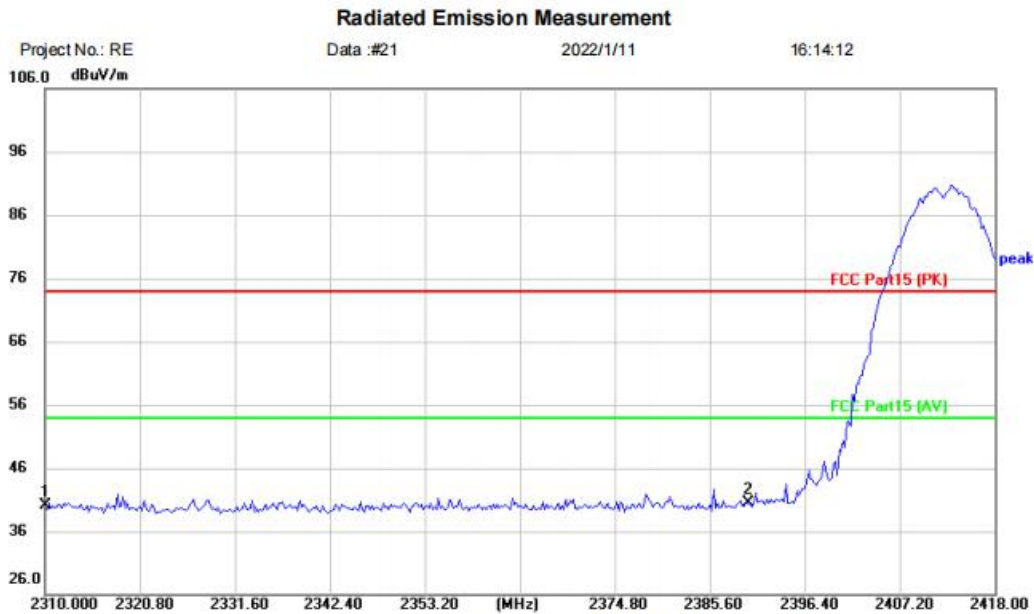
Remark 1:  $Level = Read\ Level + Cable\ Loss + Antenna\ Factor - Preamp\ Factor$

Remark 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

BlueAsia

### 12.4 TEST DATA

[TestMode: TX b low channel]; [Polarity: Horizontal]



Site      Polarization: **Horizontal**      Temperature: (C)  
Limit: FCC Part15 (PK)      Power:      Humidity: %RH  
EUT: Car Kit WiFi Module  
M/N: WF-M574-JK  
Mode: 2.4G-B-TX-L  
Note:

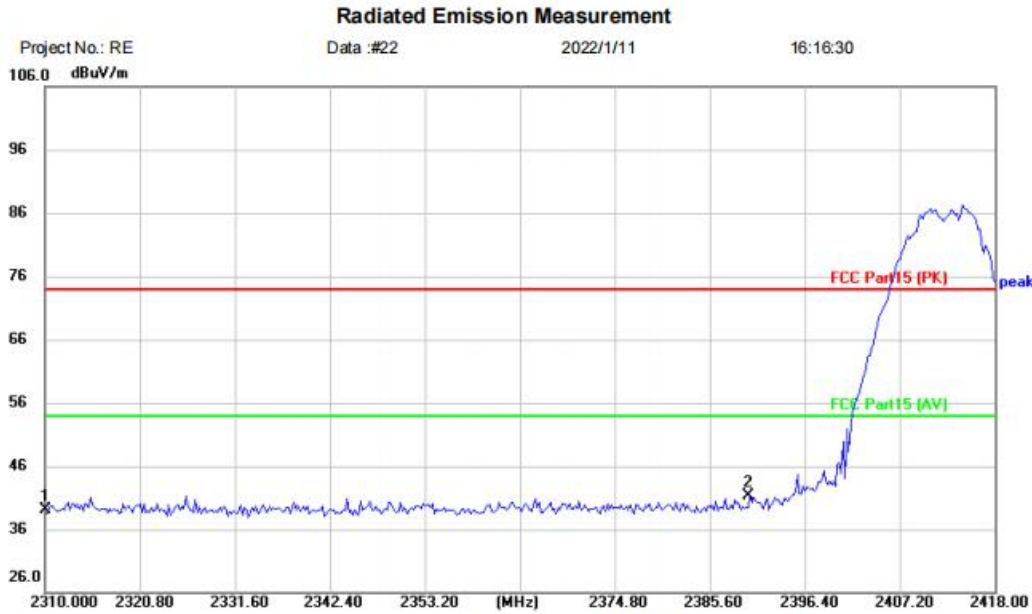
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		2310.000	43.94	-3.93	40.01	74.00	-33.99	peak	
2	*	2390.000	44.12	-3.58	40.54	74.00	-33.46	peak	

\*:Maximum data    x:Over limit    !:over margin

(Reference Only)

**Test Result: Pass**

[TestMode: TX b low channel]; [Polarity: Vertical]



Site	Polarization: <b>Vertical</b>	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Car Kit WiFi Module		
M/N: WF-M574-JK		
Mode: 2.4G-B-TX-L		
Note:		

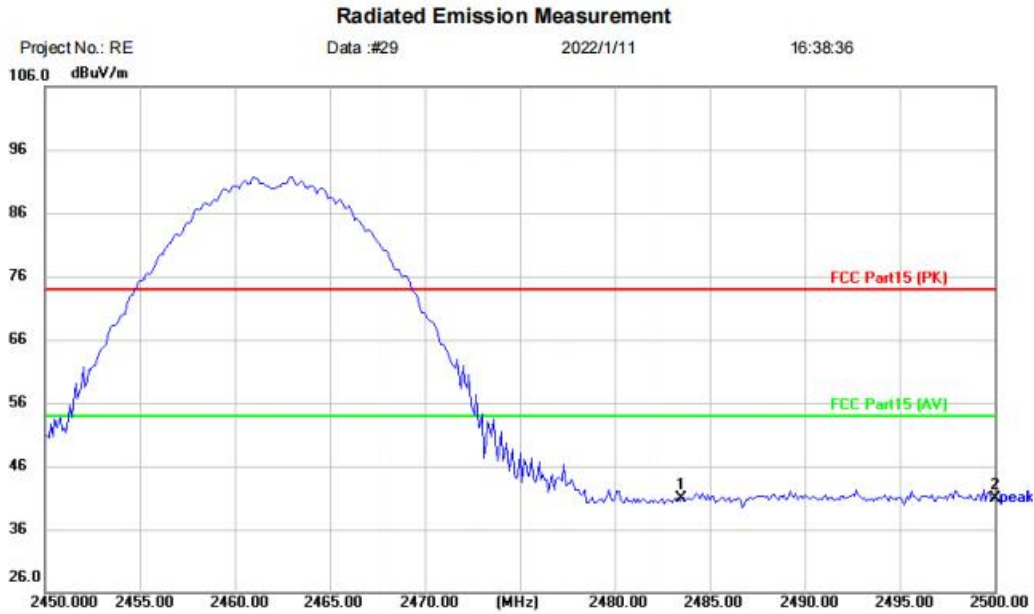
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		2310.000	42.99	-3.93	39.06	74.00	-34.94	peak	
2	*	2390.000	44.94	-3.58	41.36	74.00	-32.64	peak	

\*:Maximum data    x:Over limit    !:over margin

(Reference Only)

**Test Result: Pass**

[TestMode: TX b high channel]; [Polarity: Horizontal]



Site	Polarization: <b>Horizontal</b>	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Car Kit WiFi Module		
M/N: WF-M574-JK		
Mode: 2.4G-B-TX-H		
Note:		

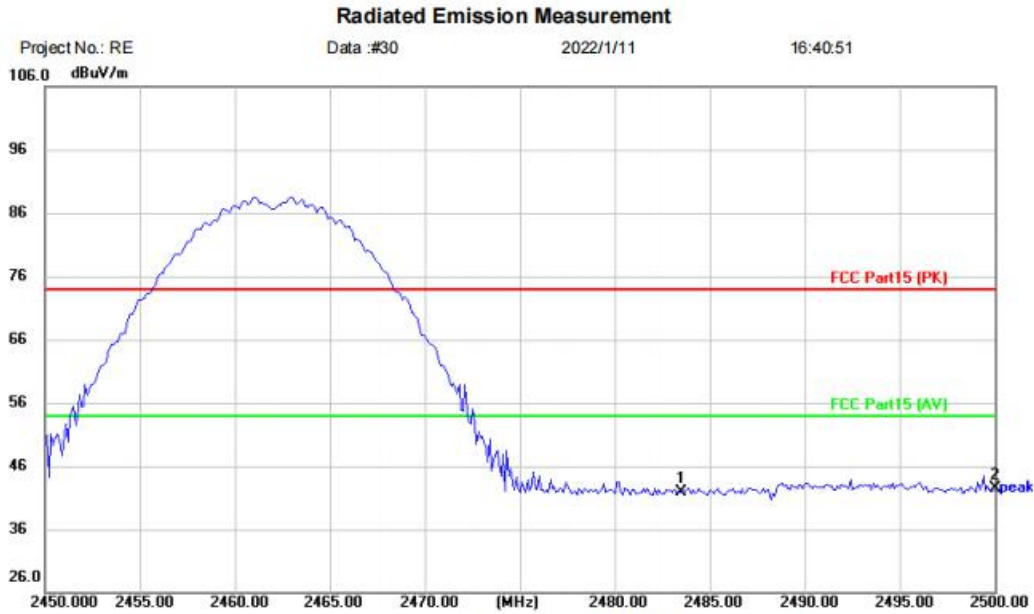
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		2483.500	44.02	-3.14	40.88	74.00	-33.12	peak	
2	*	2500.000	44.05	-3.08	40.97	74.00	-33.03	peak	

\*:Maximum data    x:Over limit    !:over margin

(Reference Only)

**Test Result: Pass**

[TestMode: TX b high channel]; [Polarity: Vertical]



Site	Polarization: <b>Vertical</b>	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Car Kit WiFi Module		
M/N: WF-M574-JK		
Mode: 2.4G-B-TX-H		
Note:		

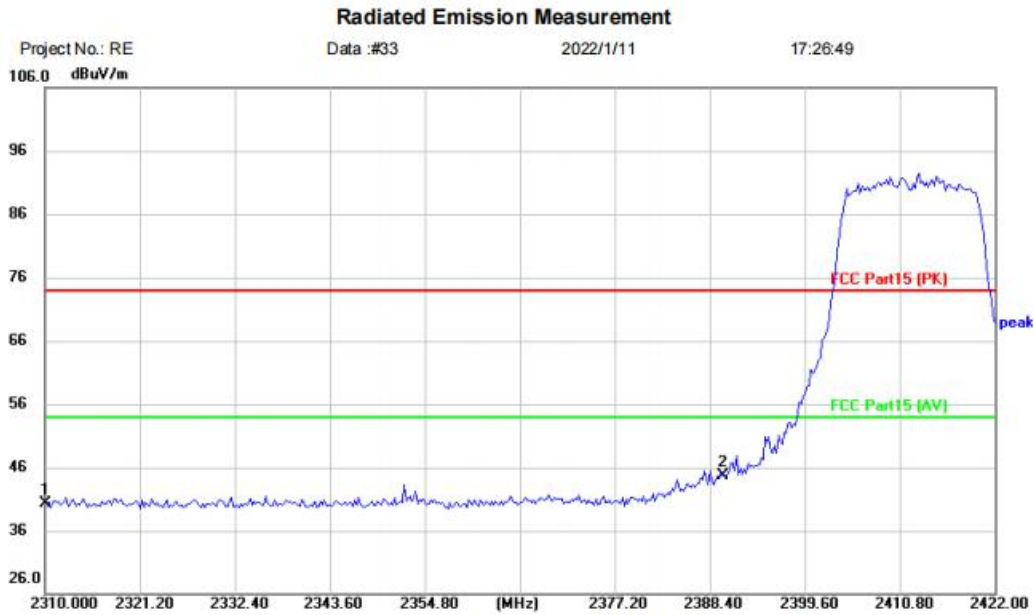
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2483.500	44.97	-3.14	41.83	74.00	-32.17	peak	
2	*	2500.000	45.57	-3.08	42.49	74.00	-31.51	peak	

\*:Maximum data    x:Over limit    !:over margin

(Reference Only)

**Test Result: Pass**

[TestMode: TX g low channel]; [Polarity: Horizontal]



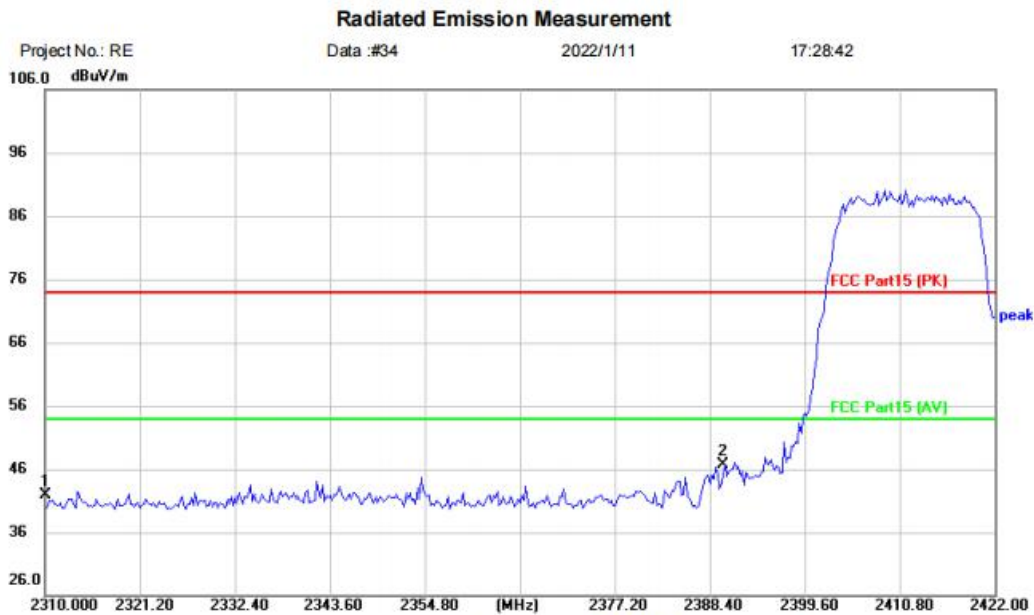
Site	Polarization: <b>Horizontal</b>	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Car Kit WiFi Module		
M/N: WF-M574-JK		
Mode: 2.4G-G-TX-L		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		2310.000	44.14	-3.93	40.21	74.00	-33.79	peak	
2	*	2390.000	48.31	-3.58	44.73	74.00	-29.27	peak	

\*:Maximum data    x:Over limit    !:over margin (Reference Only)

**Test Result: Pass**

[TestMode: TX g low channel]; [Polarity: Vertical]



Site	Polarization: <b>Vertical</b>	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Car Kit WiFi Module		
M/N: WF-M574-JK		
Mode: 2.4G-G-TX-L		
Note:		

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2310.000	45.91	-3.93	41.98	74.00	-32.02	peak	
2	*	2390.000	50.32	-3.58	46.74	74.00	-27.26	peak	

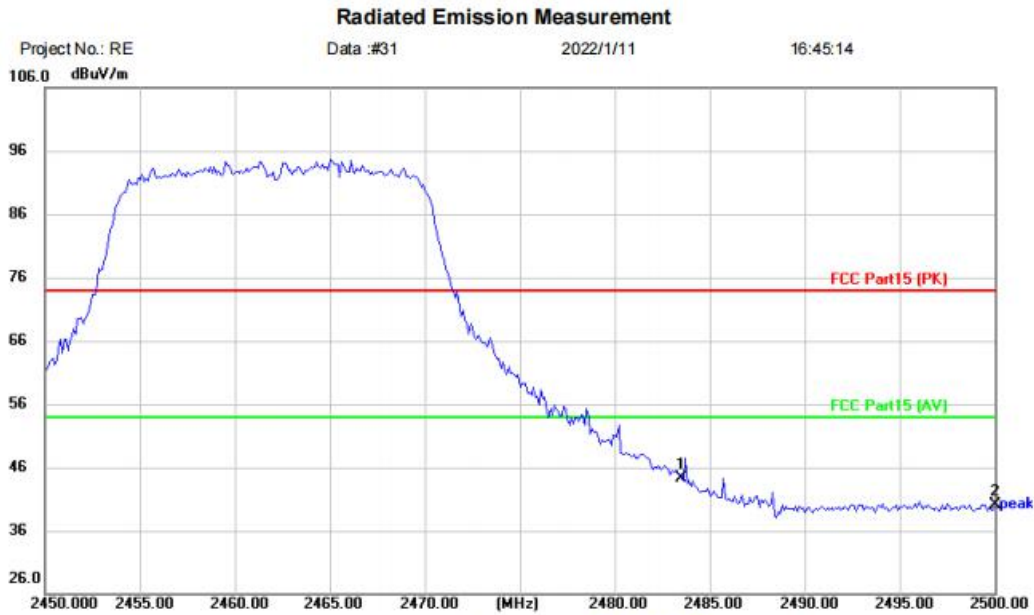
\*:Maximum data    x:Over limit    !:over margin

(Reference Only)

**Test Result: Pass**



[TestMode: TX g high channel]; [Polarity: Horizontal]



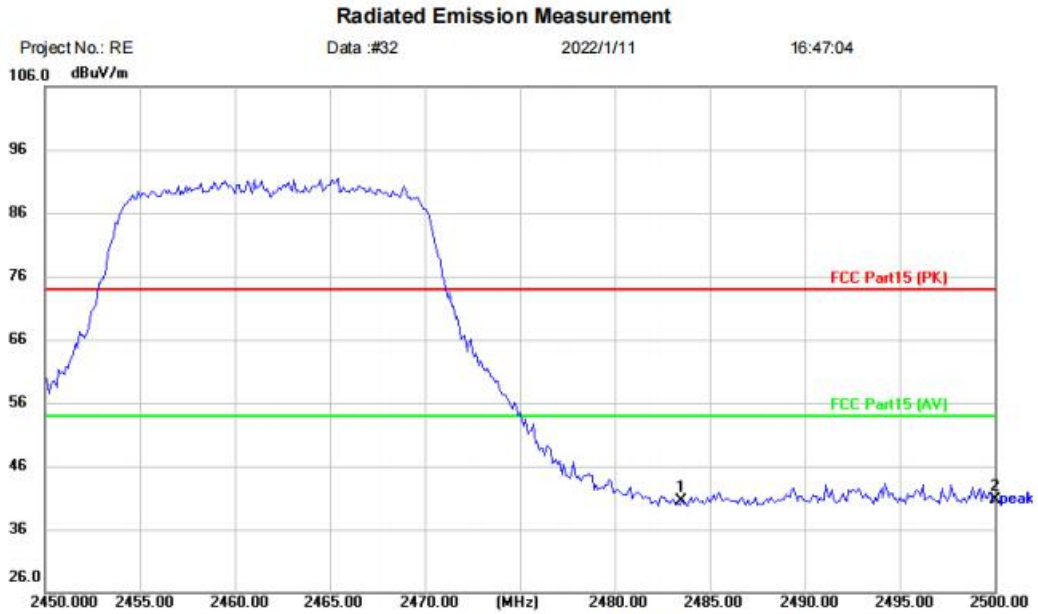
Site	Polarization: <b>Horizontal</b>	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Car Kit WiFi Module		
M/N: WF-M574-JK		
Mode: 2.4G-G-TX-H		
Note:		

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	2483.500	47.35	-3.14	44.21	74.00	-29.79	peak	
2		2500.000	43.19	-3.08	40.11	74.00	-33.89	peak	

\*:Maximum data    x:Over limit    !:over margin (Reference Only)

**Test Result: Pass**

[TestMode: TX g high channel]; [Polarity: Vertical]



Site	Polarization: <b>Vertical</b>	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Car Kit WiFi Module		
M/N: WF-M574-JK		
Mode: 2.4G-G-TX-H		
Note:		

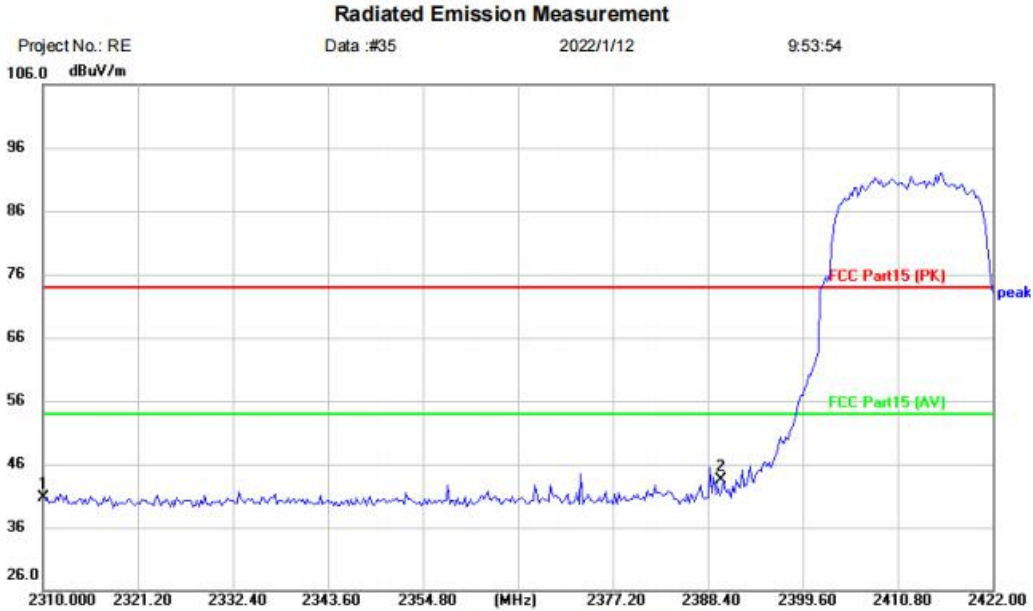
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2483.500	43.57	-3.14	40.43	74.00	-33.57	peak	
2	*	2500.000	43.88	-3.08	40.80	74.00	-33.20	peak	

\*:Maximum data    x:Over limit    !:over margin

(Reference Only)

**Test Result: Pass**

[TestMode: TX n20 low channel]; [Polarity: Horizontal]



Site	Polarization: <b>Horizontal</b>	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Car Kit WiFi Module		
M/N: WF-M574-JK		
Mode: 2.4G-N20-TX-L		
Note:		

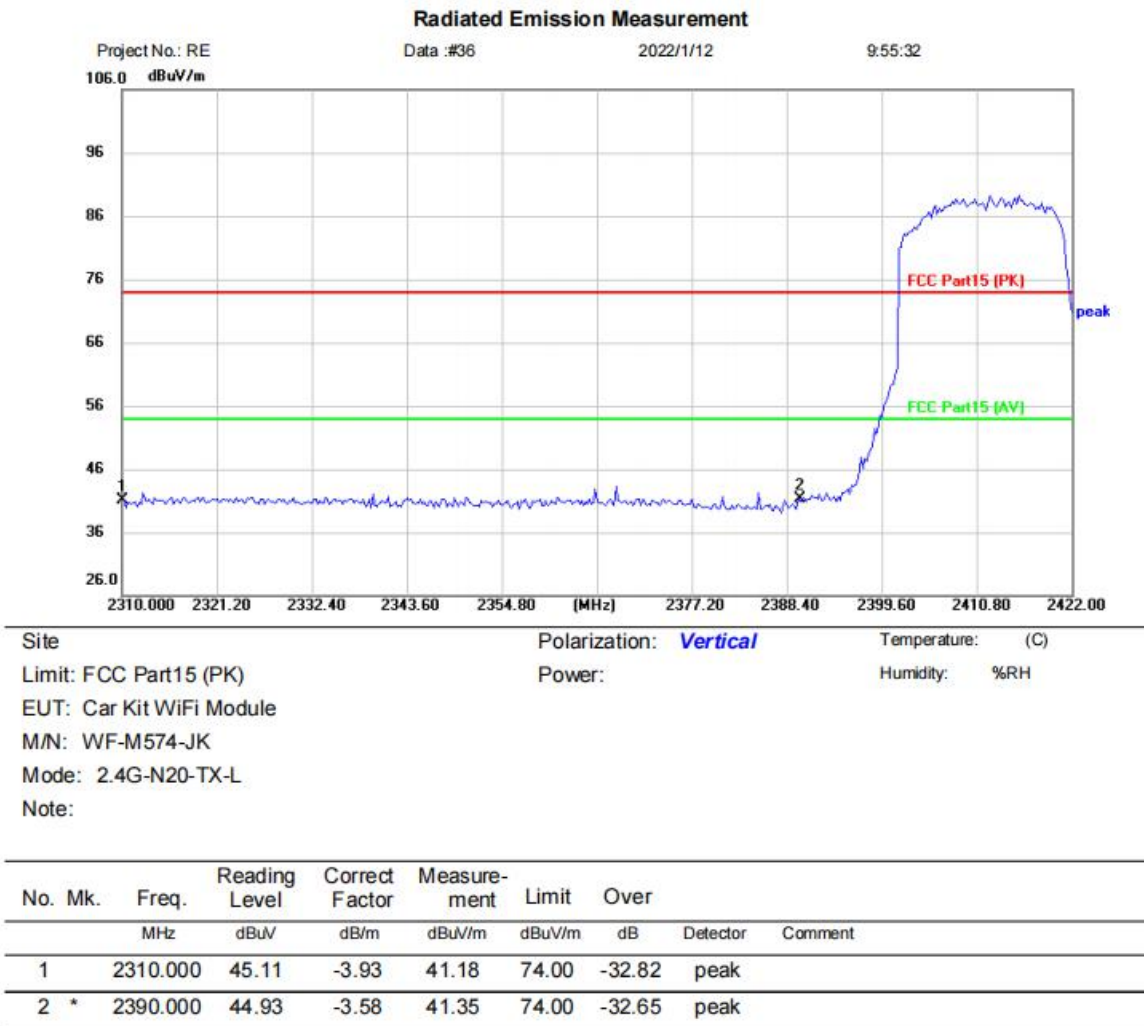
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		2310.000	44.73	-3.93	40.80	74.00	-33.20	peak	
2	*	2390.000	47.16	-3.58	43.58	74.00	-30.42	peak	

\*:Maximum data    x:Over limit    !:over margin

(Reference Only)

**Test Result: Pass**

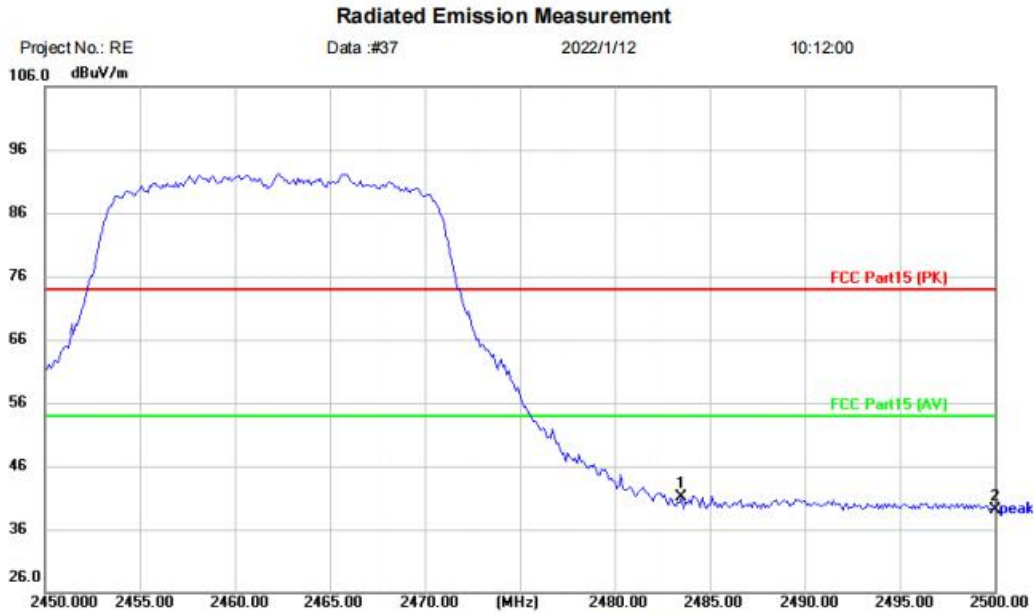
[TestMode: TX n20 low channel]; [Polarity: Vertical]



\*:Maximum data    x:Over limit    !:over margin      (Reference Only)

**Test Result: Pass**

[TestMode: TX n20 high channel]; [Polarity: Horizontal]



Site	Polarization: <b>Horizontal</b>	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Car Kit WiFi Module		
M/N: WF-M574-JK		
Mode: 2.4G-N20-TX-H		
Note:		

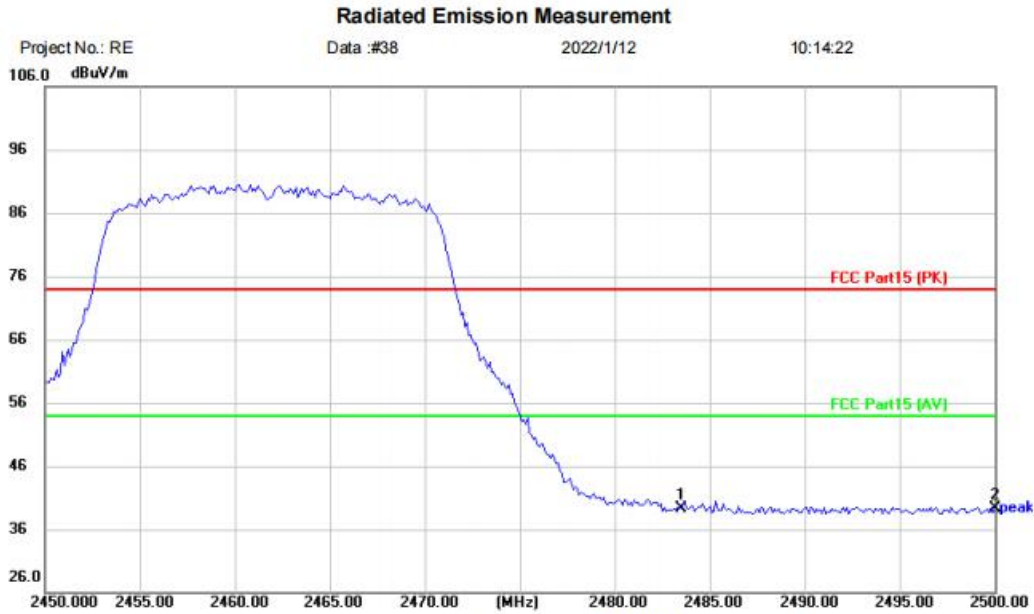
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1	*	2483.500	44.15	-3.14	41.01	74.00	-32.99	peak	
2		2500.000	42.14	-3.08	39.06	74.00	-34.94	peak	

\*:Maximum data    x:Over limit    !:over margin

(Reference Only)

**Test Result: Pass**

[TestMode: TX n20 high channel]; [Polarity: Vertical]



Site	Polarization: <b>Vertical</b>	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Car Kit WiFi Module		
M/N: WF-M574-JK		
Mode: 2.4G-N20-TX-H		
Note:		

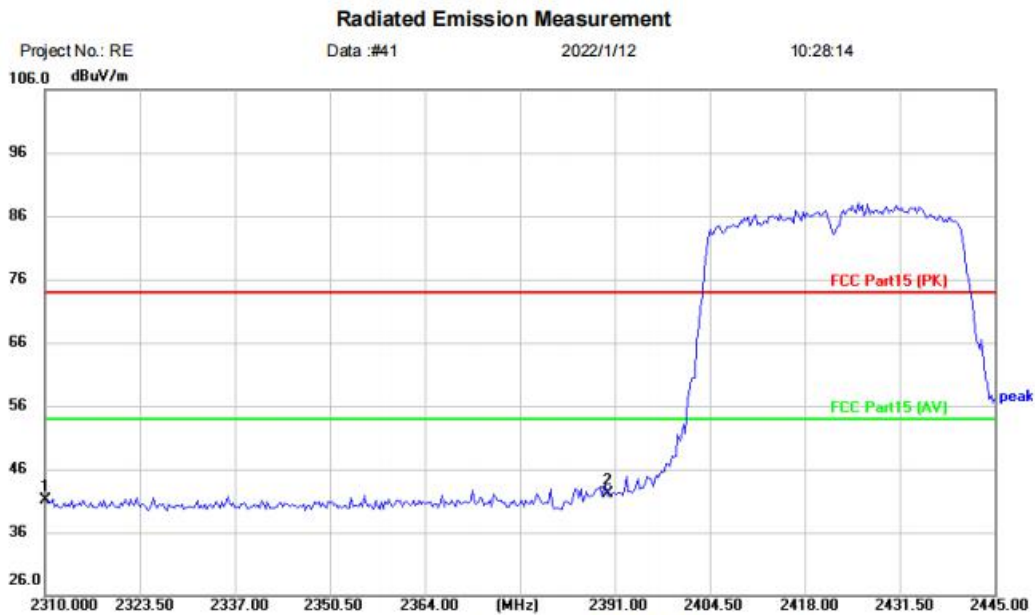
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		2483.500	42.35	-3.14	39.21	74.00	-34.79	peak	
2	*	2500.000	42.45	-3.08	39.37	74.00	-34.63	peak	

\*:Maximum data    x:Over limit    !:over margin

(Reference Only)

**Test Result: Pass**

[TestMode: TX n40 low channel]; [Polarity: Horizontal]



Site	Polarization: <b>Horizontal</b>	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Car Kit WiFi Module		
M/N: WF-M574-JK		
Mode: 2.4G-N40-TX-L		
Note:		

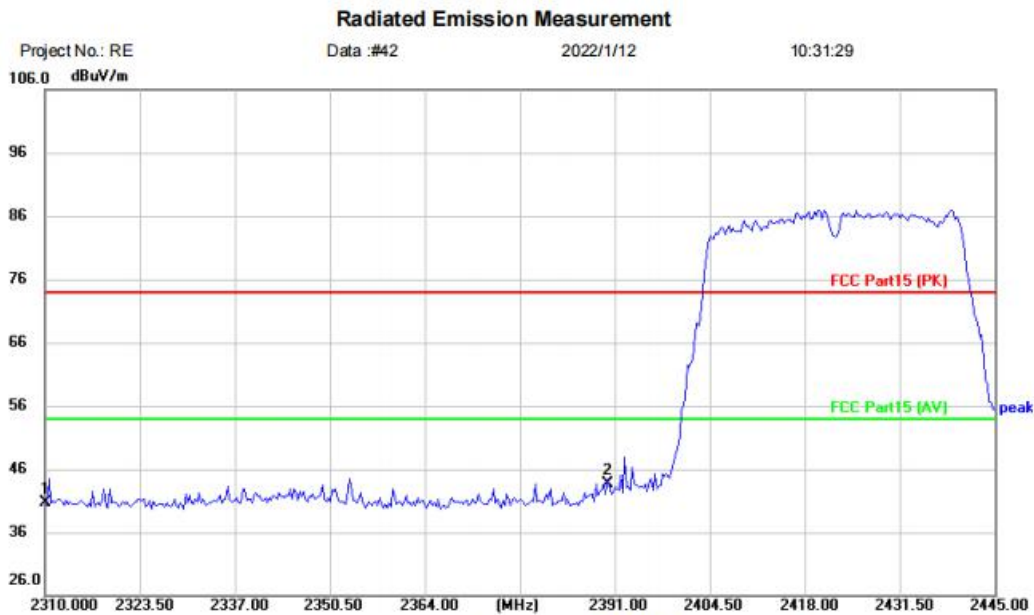
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2310.000	45.04	-3.93	41.11	74.00	-32.89	peak	
2	*	2390.000	45.75	-3.58	42.17	74.00	-31.83	peak	

\*:Maximum data    x:Over limit    !:over margin

(Reference Only)

**Test Result: Pass**

[TestMode: TX n40 low channel]; [Polarity: Vertical]



Site	Polarization: <b>Vertical</b>	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Car Kit WiFi Module		
M/N: WF-M574-JK		
Mode: 2.4G-N40-TX-L		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		2310.000	44.59	-3.93	40.66	74.00	-33.34	peak	
2	*	2390.000	47.32	-3.58	43.74	74.00	-30.26	peak	

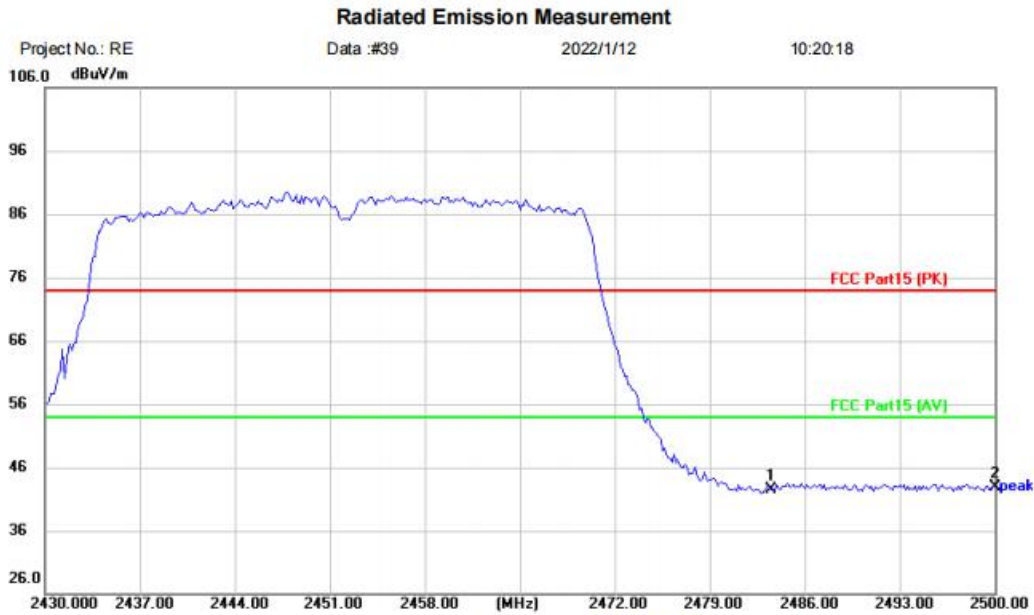
\*:Maximum data    x:Over limit    !:over margin

(Reference Only)

**Test Result: Pass**



[TestMode: TX n40 high channel]; [Polarity: Horizontal]



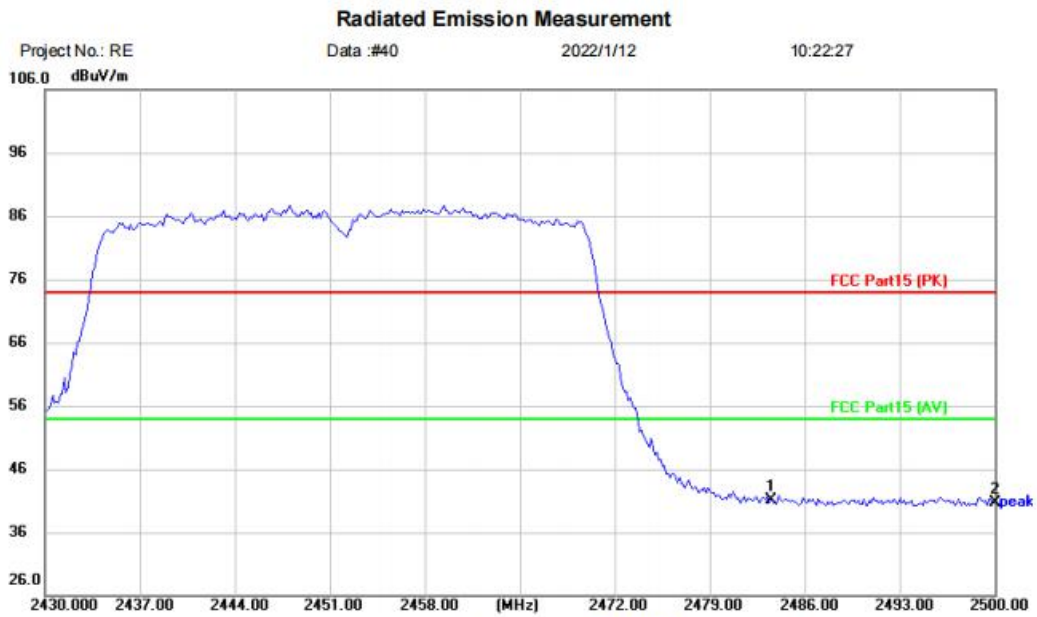
Site	Polarization: <b>Horizontal</b>	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Car Kit WiFi Module		
M/N: WF-M574-JK		
Mode: 2.4G-N40-TX-H		
Note:		

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2483.500	45.56	-3.14	42.42	74.00	-31.58	peak	
2	*	2500.000	45.92	-3.08	42.84	74.00	-31.16	peak	

\*:Maximum data    x:Over limit    !:over margin (Reference Only)

**Test Result: Pass**

[TestMode: TX n40 high channel]; [Polarity: Vertical]



Site	Polarization: <b>Vertical</b>	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Car Kit WiFi Module		
M/N: WF-M574-JK		
Mode: 2.4G-N40-TX-H		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1	*	2483.500	44.31	-3.14	41.17	74.00	-32.83	peak	
2		2500.000	43.70	-3.08	40.62	74.00	-33.38	peak	

\*:Maximum data    x:Over limit    !:over margin

(Reference Only)

**Test Result: Pass**

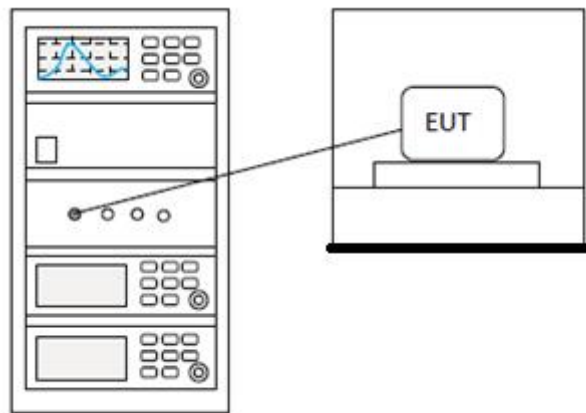
### 13 CONDUCTED SPURIOUS EMISSIONS

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 7.8.6 & Section 11.11
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Jozu
Temperature	25°C
Humidity	60%

#### 13.1 LIMITS

<b>Limit:</b>	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).
---------------	--

#### 13.2 BLOCK DIAGRAM OF TEST SETUP



### 13.3 TEST DATA

**Pass: Please Refer To Appendix: Appendix1 For Details**

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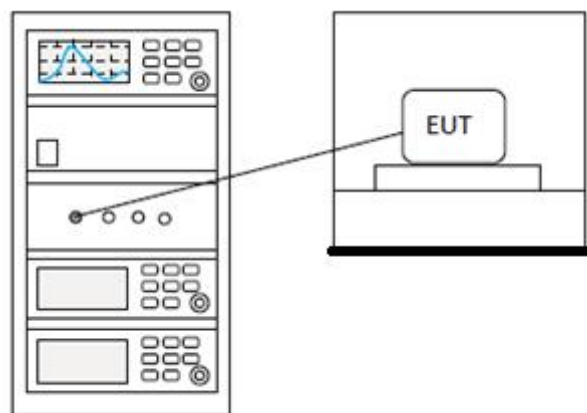
## 14 CONDUCTED BAND EDGES MEASUREMENT

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 7.8.8 & Section 11.13.3.2
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Jozu
Temperature	25°C
Humidity	60%

### 14.1 LIMITS

<b>Limit:</b>	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).
---------------	--

### 14.2 BLOCK DIAGRAM OF TEST SETUP



### 14.3 TEST DATA

**Pass: Please Refer To Appendix: Appendix1 For Details**

BlueAsia

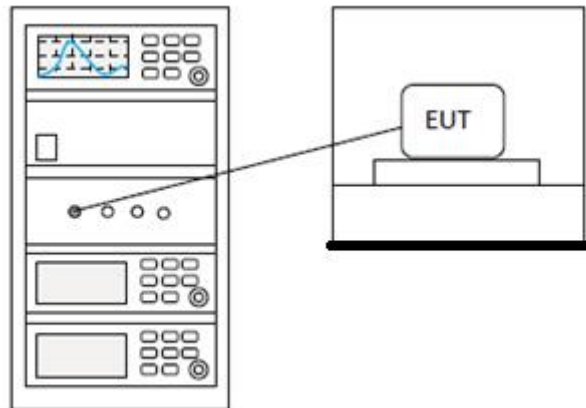
## 15 MINIMUM 6DB BANDWIDTH

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 11.8.1
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Jozu
Temperature	25°C
Humidity	60%

### 15.1 LIMITS

Limit:	$\geq 500$ kHz
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### 15.2 BLOCK DIAGRAM OF TEST SETUP



### 15.3 TEST DATA

**Pass: Please Refer To Appendix: Appendix1 For Details**

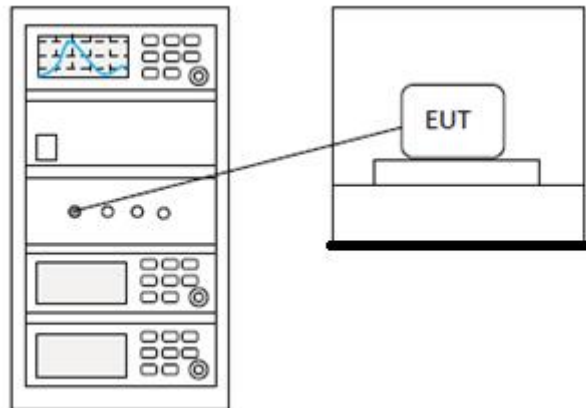
## 16 POWER SPECTRUM DENSITY

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 11.10.2
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Jozu
Temperature	25°C
Humidity	60%

### 16.1 LIMITS

**Limit:**  $\leq 8\text{dBm}$  in any 3 kHz band during any time interval of continuous transmission

### 16.2 BLOCK DIAGRAM OF TEST SETUP



### 16.3 TEST DATA

**Pass: Please Refer To Appendix: Appendix1 For Details**



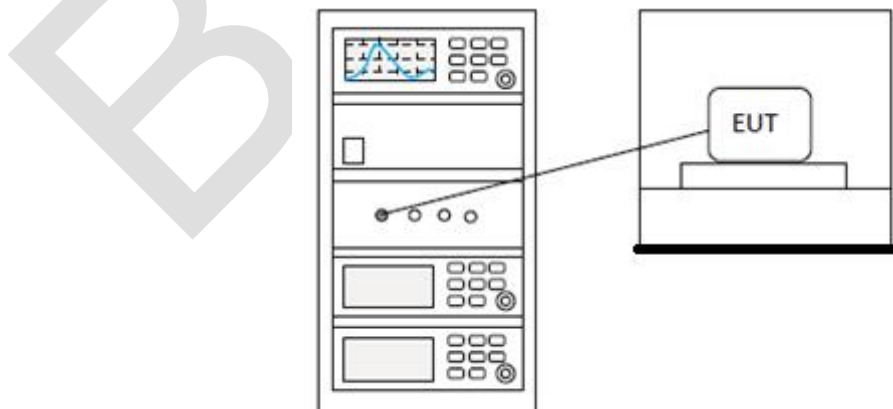
## 17 CONDUCTED PEAK OUTPUT POWER

<b>Test Standard</b>	47 CFR Part 15, Subpart C 15.247
<b>Test Method</b>	ANSI C63.10 (2013) Section 7.8.5 & Section 11.9.1
<b>Test Mode (Pre-Scan)</b>	TX
<b>Test Mode (Final Test)</b>	TX
<b>Tester</b>	Jozu
<b>Temperature</b>	25°C
<b>Humidity</b>	60%

### 17.1 LIMITS

Frequency range(MHz)	Output power of the intentional radiator(watt)
902-928	1 for $\geq 50$ hopping channels
	0.25 for $25 \leq$ hopping channels $< 50$
	1 for digital modulation
2400-2483.5	1 for $\geq 75$ non-overlapping hopping channels
	0.125 for all other frequency hopping systems
	1 for digital modulation
5725-5850	1 for frequency hopping systems and digital modulation

### 17.2 BLOCK DIAGRAM OF TEST SETUP



### 17.3 TEST DATA

**Pass: Please Refer To Appendix: Appendix1 For Details**

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## 18 CONDUCTED EMISSIONS AT AC POWER LINE (150KHZ-30MHZ)

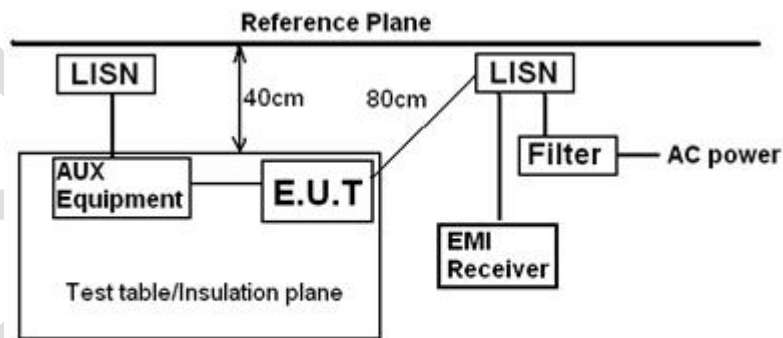
Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 6.2
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Jozu
Temperature	25°C
Humidity	60%

### 18.1 LIMITS

Frequency of emission(MHz)	Conducted limit(dB $\mu$ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

\*Decreases with the logarithm of the frequency.

### 18.2 BLOCK DIAGRAM OF TEST SETUP



Remark:  
 E.U.T: Equipment Under Test  
 LISN: Line Impedance Stabilization Network  
 Test table height=0.8m

### 18.3 PROCEDURE

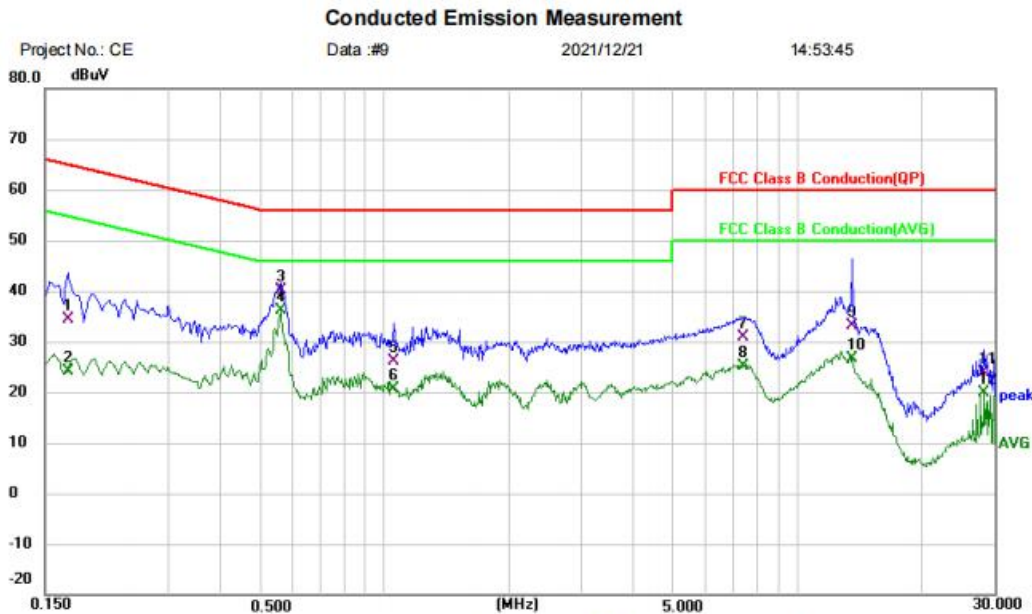
- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50H + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.

- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,
  - 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
  - 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.
- Remark: LISN=Read Level+ Cable Loss+ LISN Factor

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### 18.4 TEST DATA

[TestMode: TX]; [Line: Line] ;[Power:AC120V/60Hz]



Project No.: CE      Data :#9      2021/12/21      14:53:45

Site:      Phase: **L1**      Temperature: (C)

Limit: FCC Class B Conduction(QP)      Power:      Humidity: %RH

EUT: OTT+Speaker

M/N: SK330LA

Mode: 2.4G WIFI mode

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1700	24.31	10.16	34.47	64.96	-30.49	QP	
2		0.1700	13.89	10.16	24.05	54.96	-30.91	AVG	
3		0.5580	30.23	9.87	40.10	56.00	-15.90	QP	
4	*	0.5580	26.15	9.87	36.02	46.00	-9.98	AVG	
5		1.0540	16.23	9.92	26.15	56.00	-29.85	QP	
6		1.0540	10.72	9.92	20.64	46.00	-25.36	AVG	
7		7.3860	20.85	10.10	30.95	60.00	-29.05	QP	
8		7.3860	14.95	10.10	25.05	50.00	-24.95	AVG	
9		13.5620	22.93	10.29	33.22	60.00	-26.78	QP	
10		13.5620	16.33	10.29	26.62	50.00	-23.38	AVG	
11		28.4340	13.48	10.48	23.96	60.00	-36.04	QP	
12		28.4340	9.41	10.48	19.89	50.00	-30.11	AVG	

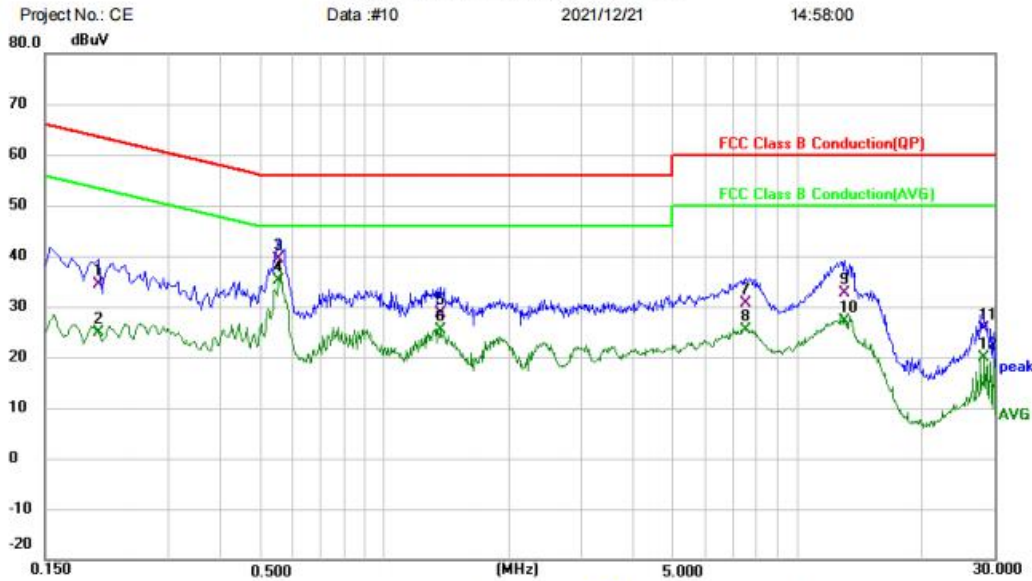
\*:Maximum data    x:Over limit    !:over margin

(Reference Only)

**Test Result: Pass**

[TestMode: TX]; [Line: Nutral] ;[Power:AC120V/60Hz]

Conducted Emission Measurement



Project No.: CE      Data :#10      2021/12/21      14:58:00

Site      Phase: **N**      Temperature: (C)

Limit: FCC Class B Conduction(QP)      Power:      Humidity: %RH

EUT: OTT+Speaker

M/N: SK330LA

Mode: 2.4G WIFI mode

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.2020	24.22	10.15	34.37	63.53	-29.16	QP	
2		0.2020	14.81	10.15	24.96	53.53	-28.57	AVG	
3		0.5540	29.58	9.80	39.38	56.00	-16.62	QP	
4	*	0.5540	25.45	9.80	35.25	46.00	-10.75	AVG	
5		1.3660	18.73	9.85	28.58	56.00	-27.42	QP	
6		1.3660	15.61	9.85	25.46	46.00	-20.54	AVG	
7		7.5020	20.70	10.04	30.74	60.00	-29.26	QP	
8		7.5020	15.41	10.04	25.45	50.00	-24.55	AVG	
9		13.0100	22.38	10.25	32.63	60.00	-27.37	QP	
10		13.0100	16.99	10.25	27.24	50.00	-22.76	AVG	
11		28.4300	15.13	10.47	25.60	60.00	-34.40	QP	
12		28.4300	9.37	10.47	19.84	50.00	-30.16	AVG	

\*:Maximum data    x:Over limit    !:over margin

(Reference Only)

**Test Result: Pass**

## 19 APPENDIX

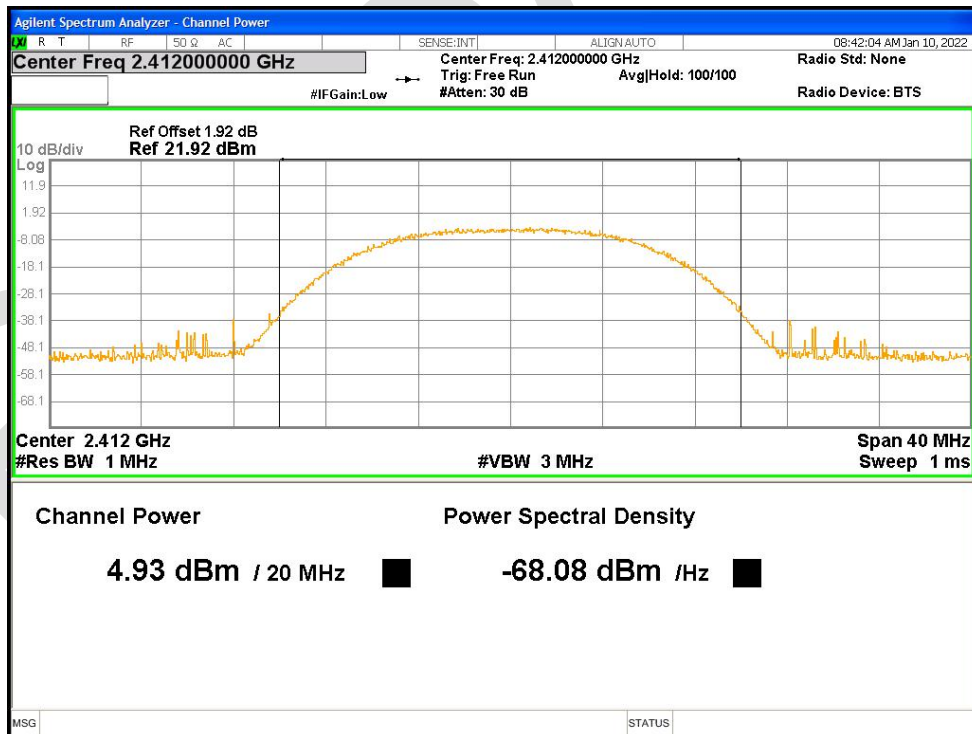
### 19.1 MAXIMUM CONDUCTED OUTPUT POWER

Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	8.028	30	Pass
NVNT	b	2412	Ant2	4.931	30	Pass
NVNT	b	2437	Ant1	7.948	30	Pass
NVNT	b	2437	Ant2	4.218	30	Pass
NVNT	b	2462	Ant1	7.471	30	Pass
NVNT	b	2462	Ant2	4.249	30	Pass
NVNT	g	2412	Ant1	8.644	30	Pass
NVNT	g	2412	Ant2	6.433	30	Pass
NVNT	g	2437	Ant1	8.252	30	Pass
NVNT	g	2437	Ant2	5.563	30	Pass
NVNT	g	2462	Ant1	8.185	30	Pass
NVNT	g	2462	Ant2	5.773	30	Pass
NVNT	n20	2412	Ant1	7.825	30	Pass
NVNT	n20	2412	Ant2	5.46	30	Pass
NVNT	n20	2412	Sum	9.812	30	Pass
NVNT	n20	2437	Ant1	7.482	30	Pass
NVNT	n20	2437	Ant2	4.775	30	Pass
NVNT	n20	2437	Sum	9.346	30	Pass
NVNT	n20	2462	Ant1	7.184	30	Pass
NVNT	n20	2462	Ant2	4.988	30	Pass
NVNT	n20	2462	Sum	9.234	30	Pass
NVNT	n40	2422	Ant1	8.174	30	Pass
NVNT	n40	2422	Ant2	5.6	30	Pass
NVNT	n40	2422	Sum	10.085	30	Pass
NVNT	n40	2437	Ant1	7.455	30	Pass
NVNT	n40	2437	Ant2	4.969	30	Pass
NVNT	n40	2437	Sum	9.398	30	Pass
NVNT	n40	2452	Ant1	7.038	30	Pass
NVNT	n40	2452	Ant2	4.812	30	Pass
NVNT	n40	2452	Sum	9.076	30	Pass

Power NVNT b 2412MHz Ant1

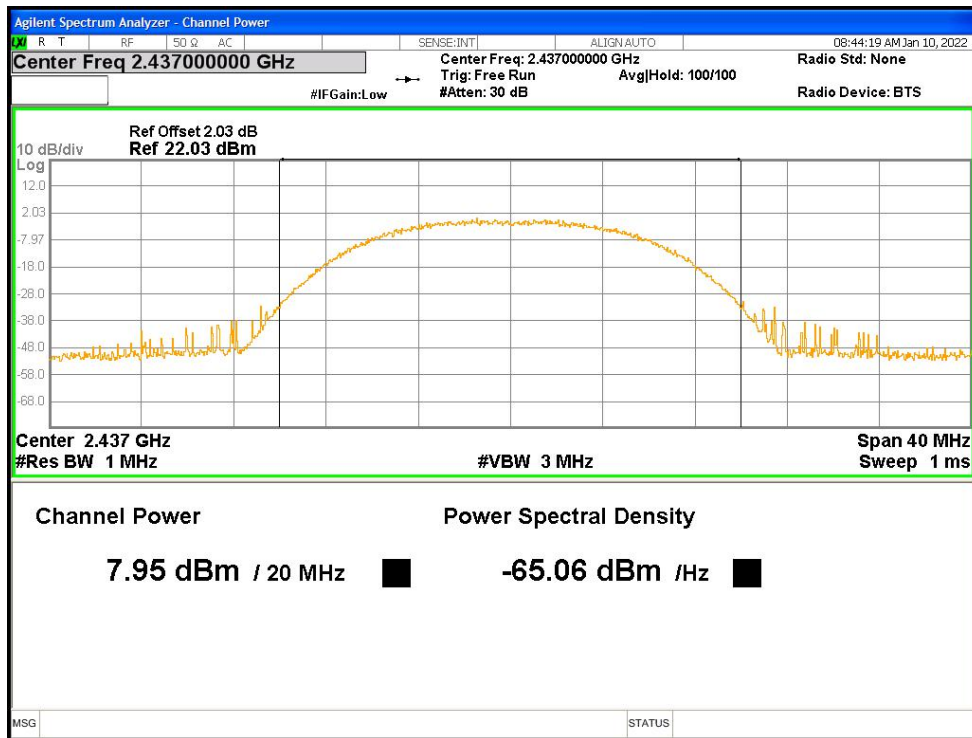


Power NVNT b 2412MHz Ant2

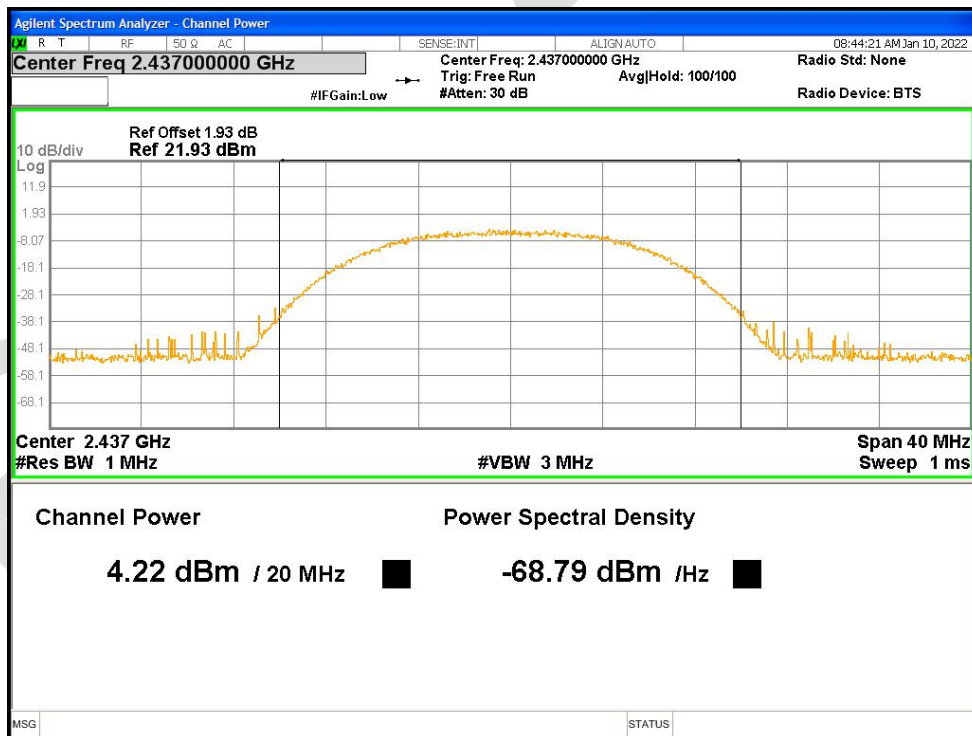


Power NVNT b 2437MHz Ant1

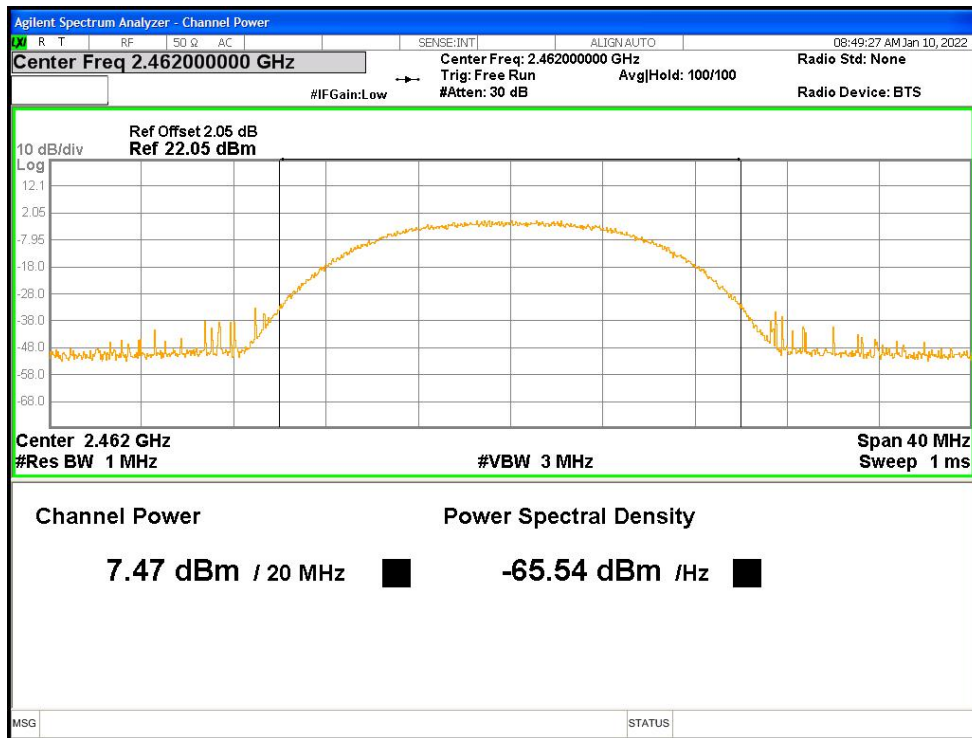




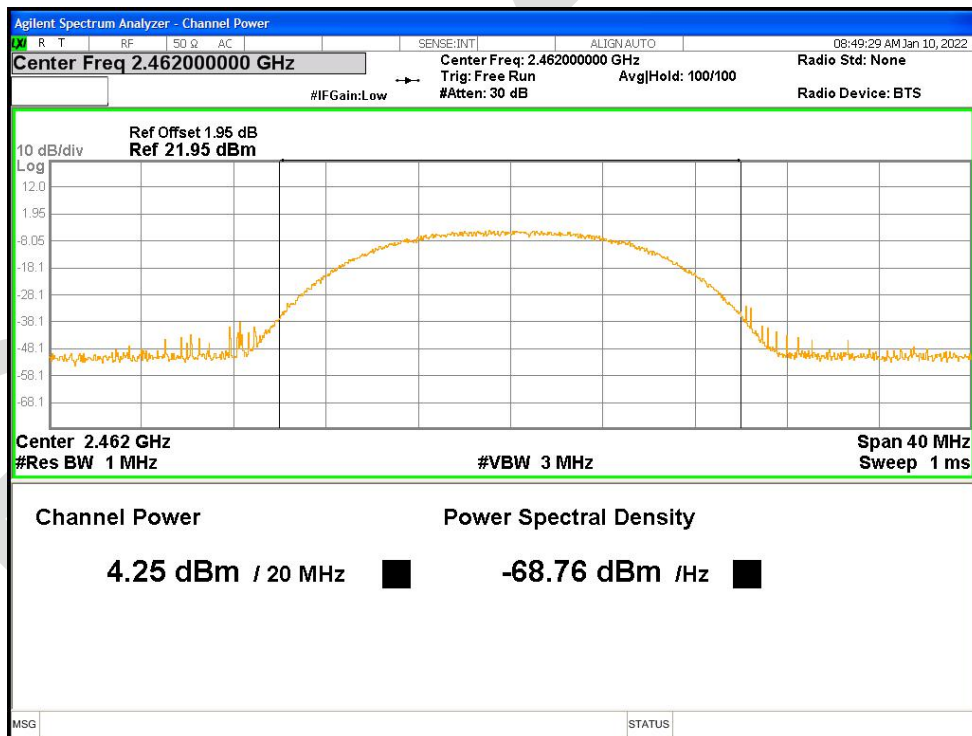
Power NVNT b 2437MHz Ant2



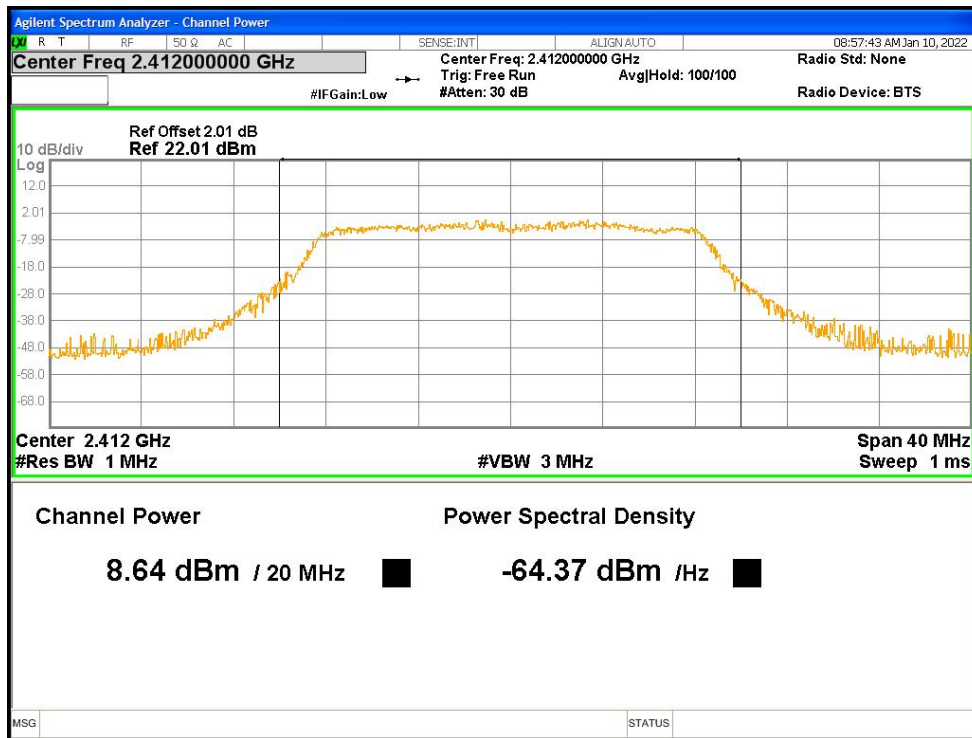
Power NVNT b 2462MHz Ant1



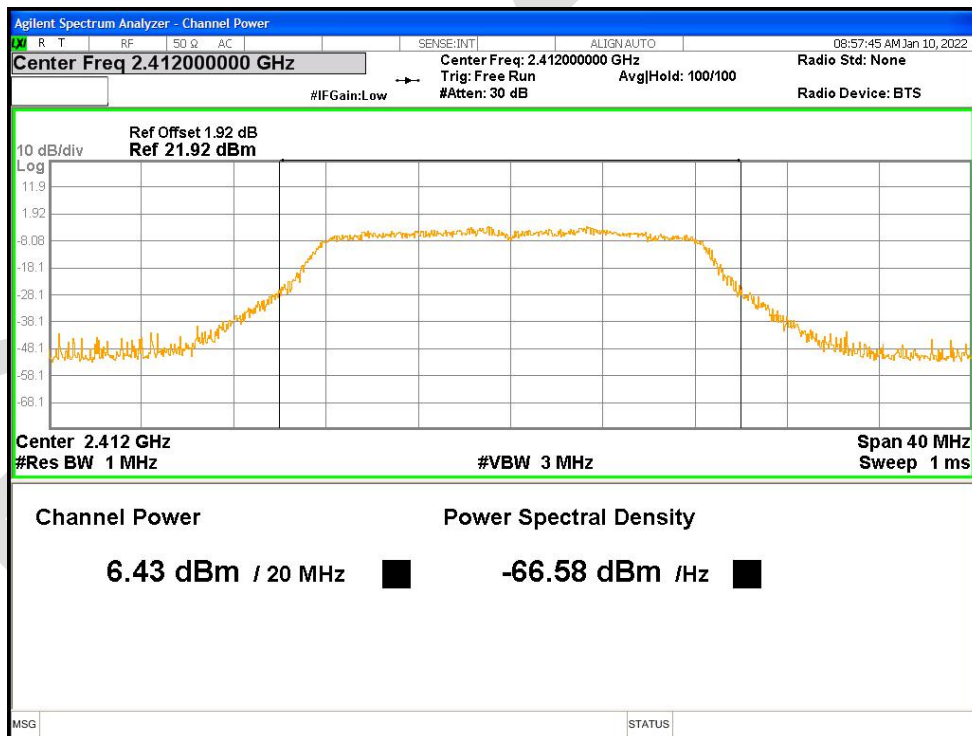
Power NVNT b 2462MHz Ant2



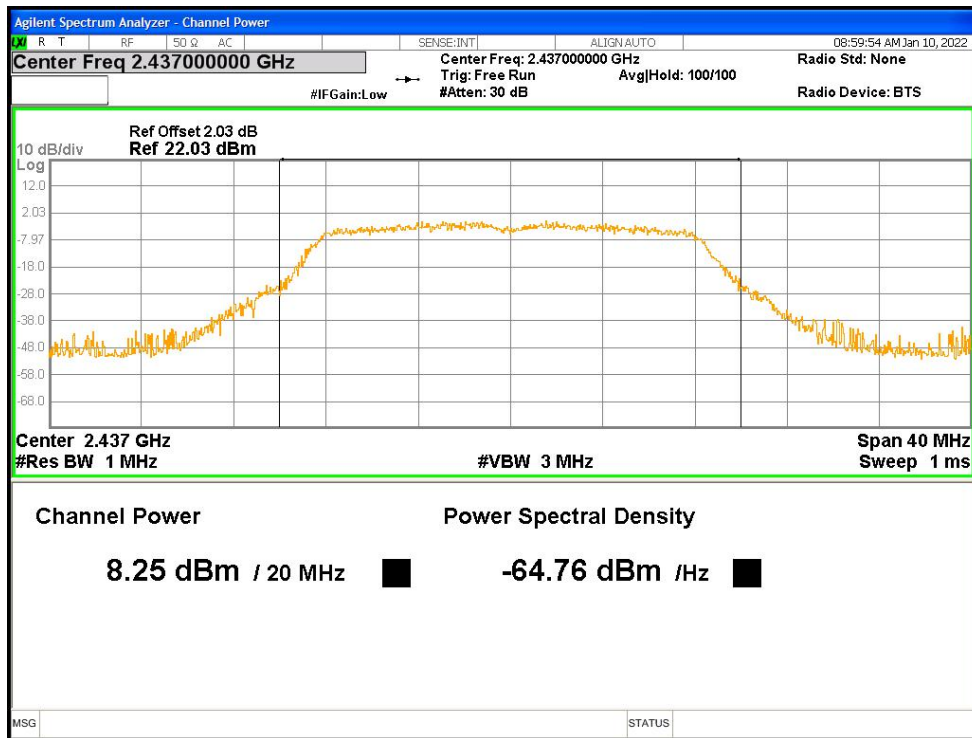
Power NVNT g 2412MHz Ant1



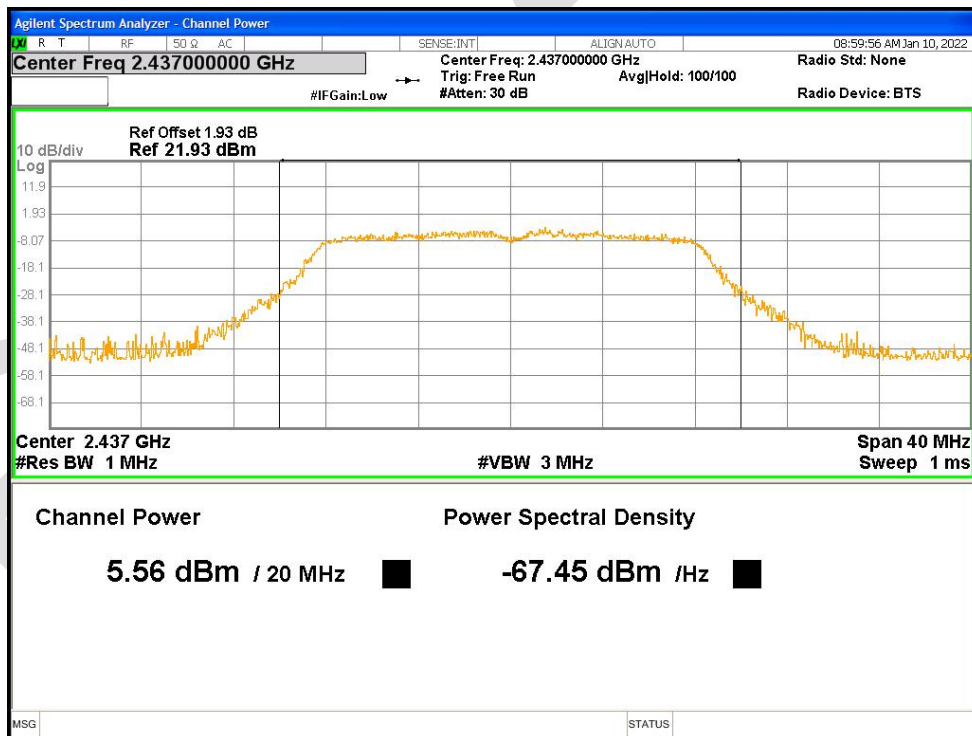
Power NVNT g 2412MHz Ant2



Power NVNT g 2437MHz Ant1



Power NVNT g 2437MHz Ant2



Power NVNT g 2462MHz Ant1