

TEST REPORT

Product Name : Wifi/bt Module
Brand Mark : FN-LINK
Model No. : L297B-SR
FCC ID : 2AATL-L297BSR
Report Number : BLA-EMC-202203-A4004
Date of Sample Receipt : 2022/3/9
Date of Test : 2022/3/9 to 2022/5/7
Date of Issue : 2022/5/7
Test Standard : 47 CFR Part 15, Subpart E 15.407
Test Result : Pass

Prepared for:

HUNAN FN-LINK TECHNOLOGY LIMITED

**No.8, Litong Road, Liuyang Economic & Technical Development Zone,
Changsha, Hunan, CHINA**

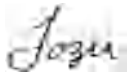
Prepared by:

BlueAsia of Technical Services(Shenzhen) Co.,Ltd.

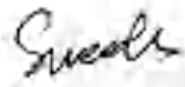
**Building C, No. 107, Shihuan Road, Shiyuan Sub-District, Baoan District,
Shenzhen, Guangdong Province, China**

TEL: +86-755-23059481

Compiled by:



Review by:



Approved by:



Date:

2022/5/7



REPORT REVISE RECORD

Version No.	Date	Description
00	2022/5/7	Original

BlueAsia

TABLE OF CONTENTS

1	TEST SUMMARY	6
2	GENERAL INFORMATION	7
3	GENERAL DESCRIPTION OF E.U.T.	7
4	BLOCK DIAGRAM OF EUT CONNECTION	8
5	TEST ENVIRONMENT	9
6	TEST MODE	9
7	MEASUREMENT UNCERTAINTY	9
8	DESCRIPTION OF SUPPORT UNIT	10
9	LABORATORY LOCATION	10
10	TEST INSTRUMENTS LIST	11
11	FREQUENCY STABILITY	16
11.1	LIMITS	16
11.2	BLOCK DIAGRAM OF TEST SETUP	16
11.3	TEST DATA	16
12	RADIATED EMISSIONS WHICH FALL IN THE RESTRICTED BANDS	17
12.1	LIMITS	17
12.2	BLOCK DIAGRAM OF TEST SETUP	18
12.3	PROCEDURE	18
12.4	TEST DATA	20
13	RADIATED EMISSIONS	36
13.1	BLOCK DIAGRAM OF TEST SETUP	36
13.2	PROCEDURE	36
13.3	TEST DATA	38
14	DFS: CHANNEL CLOSING TRANSMISSION TIME	62
14.1	LIMITS	62
14.2	BLOCK DIAGRAM OF TEST SETUP	62
14.3	PROCEDURE	62
14.4	TEST DATA	64
15	DFS: NON-OCCUPANCY PERIOD	65

15.1	LIMITS	65
15.2	BLOCK DIAGRAM OF TEST SETUP	65
15.3	PROCEDURE	65
15.4	TEST DATA	67
16	PEAK POWER SPECTRUM DENSITY	68
16.1	LIMITS	68
16.2	BLOCK DIAGRAM OF TEST SETUP	68
16.3	TEST DATA	69
17	TRANSMITTER POWER CONTROL	70
17.1	CONCLUSION	70
18	MAXIMUM CONDUCTED OUTPUT POWER	71
18.1	LIMITS	71
18.2	BLOCK DIAGRAM OF TEST SETUP	71
18.3	TEST DATA	72
19	MINIMUM 6 DB BANDWIDTH (5.725-5.85 GHZ BAND)	73
19.1	LIMITS	73
19.2	BLOCK DIAGRAM OF TEST SETUP	73
19.3	TEST DATA	73
20	26DB EMISSION BANDWIDTH	74
20.1	BLOCK DIAGRAM OF TEST SETUP	74
20.2	TEST DATA	74
21	99% BANDWIDTH	75
21.1	BLOCK DIAGRAM OF TEST SETUP	75
21.2	TEST DATA	75
22	DUTY CYCLE	76
22.1	BLOCK DIAGRAM OF TEST SETUP	76
22.2	TEST DATA	76
23	CONDUCTED EMISSIONS AT AC POWER LINE (150KHZ-30MHZ)	77
23.1	LIMITS	77
23.2	BLOCK DIAGRAM OF TEST SETUP	77
23.3	PROCEDURE	77
23.4	TEST DATA	79

24	ANTENNA REQUIREMENT	81
24.1	CONCLUSION	81
25	APPENDIX	82
25.1	MAXIMUM CONDUCTED OUTPUT POWER	82
25.2	-26dB BANDWIDTH	145
25.3	OCCUPIED CHANNEL BANDWIDTH	192
25.4	MAXIMUM POWER SPECTRAL DENSITY LEVEL	254
25.5	BAND EDGE	317
25.6	FREQUENCY STABILITY	364
25.7	CONDUCTED RF SPURIOUS EMISSION	402
25.8	-6dB BANDWIDTH	464
	APPENDIX A: PHOTOGRAPHS OF TEST SETUP	479
	APPENDIX B: PHOTOGRAPHS OF EUT	481

1 TEST SUMMARY

Test item	Test Requirement	Test Method	Class/Severity	Result
Frequency Stability	47 CFR Part 15, Subpart E 15.407	ANSI C63.10 (2013) Section 6.8	47 CFR Part 15, Subpart C 15.407 (g)	Pass
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & 15.407(b)	Pass
Radiated Emissions	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & 15.407(b)	Pass
DFS: Channel Closing Transmission Time	47 CFR Part 15, Subpart E 15.407	KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass
DFS: Non-occupancy period	47 CFR Part 15, Subpart E 15.407	KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass
Peak Power spectrum density	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II F	47 CFR Part 15, Subpart C 15.407 (a)	Pass
Transmitter Power Control	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II E	47 CFR Part 15, Subpart C 15.407 (h)(1)	Pass
Maximum Conducted output power	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II E	47 CFR Part 15, Subpart C 15.407 (a)	Pass
Minimum 6 dB bandwidth (5.725-5.85 GHz band)	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II C 2	47 CFR Part 15, Subpart C 15.407 (e)	Pass
26dB Emission bandwidth	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II C 1	47 CFR Part 15, Subpart C 15.407 (a)	Pass
99% Bandwidth	47 CFR Part 15, Subpart E 15.407	KDB 789033 II D	N/A	Pass
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart E 15.407	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207 & 15.407 b(6)	Pass
Antenna Requirement	47 CFR Part 15, Subpart E 15.407	N/A	47 CFR Part 15, Subpart C 15.203	Pass

2 GENERAL INFORMATION

Applicant	FN-LINK TECHNOLOGY LIMITED
Address	No.8, Litong Road, Liuyang Economic & Technical Development Zone, Changsha, Hunan, CHINA
Manufacturer	FN-LINK TECHNOLOGY LIMITED
Address	No.8, Litong Road, Liuyang Economic & Technical Development Zone, Changsha, Hunan, CHINA
Factory	FN-LINK TECHNOLOGY LIMITED
Address	No.8, Litong Road, Liuyang Economic & Technical Development Zone, Changsha, Hunan, CHINA
Product Name	Wifi/bt Module
Test Model No.	L297B-SR

3 GENERAL DESCRIPTION OF E.U.T.

Hardware Version	1.0
Software Version	1.0
Operation Frequency:	Band 1 : 5180MHz-5240MHz; Band 2:5260MHz~5320MHz Band 3: 5500MHz~5700MHz; Band 4 : 5745MHz-5825MHz
Channel numbers:	Band 1: 802.11a/802.11n(HT20)/802.11ac(HT20): 4, 802.11n(HT40)/802.11ac(HT40):2, 802.11ac(HT80): 1 Band 2: 802.11a/802.11n(HT20)/802.11ac(HT20): 4, 802.11n(HT40)/802.11ac(HT40):2, 802.11ac(HT80): 1 Band 3: 802.11a/802.11n(HT20)/802.11ac(HT20): 11, 802.11n(HT40)/802.11ac(HT40):5, 802.11ac(HT80): 3 Band 4: 802.11a/802.11(HT20)/802.11ac(HT20): 5, 802.11n(HT40)/802.11ac(HT40): 2, 802.11ac(HT80): 1
Channel separation:	802.11a/n/ac(HT20): 20MHz, 802.11n/ac(HT40): 40MHz, 802.11ac(HT80): 80MHz
Modulation technology: (IEEE 802.11a/n/ac)	BPSK, QPSK, 16-QAM, 64-QAM, 256QAM
Data speed(IEEE 802.11a)	6Mbps, 9Mbps, 12Mbps, 18Mbps, 24Mbps, 36Mbps, 48Mbps, 54Mbps
Data speed (IEEE 802.11n/ac):	Up to 866.7Mbps
Antenna Type:	External antenna
Antenna gain:	Antenna 1:4dBi, Antenna 2:4dBi(Provided by the applicant)
Note:	Antenna number : 2 SISO mode: 802.11a MIMO mode: 802.11n(HT20)/ 802.11n(HT40)/ 802.11ac(HT20)/ 802.11ac(HT40)/ 802.11ac(HT80) Directional gain of MIMO mode:4+10log2=7.01dBi
Remark:The Antenna Gain is supplied by the customer.BlueAsia is not responsible for this data	

Note: if transmitting antennas of directional gain greater than 6 dBi are used, then the limit should be reduced.

Because the directional gain = 7.01dB > 6.0 dBi, the limit should be calculated as below:

$$\text{Limit} = 24 \text{ dBm} - (\text{ANT Gain} + 10 \cdot \log(N=2)) - 6 \text{ dBi}$$

$$= 24 \text{ dBm} - (4 + 3.01 - 6) \text{ dBi} = 22.99 \text{ dBm}$$

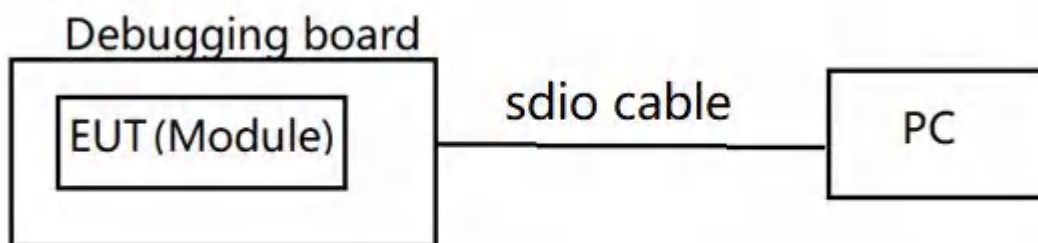
$$\text{Limit} = 30 \text{ dBm} - (\text{ANT Gain} + 10 \cdot \log(N=2)) - 6 \text{ dBi}$$

$$= 30 \text{ dBm} - (4 + 3.01 - 6) \text{ dBi} = 28.99 \text{ dBm}$$

$$\text{Limit} = 11 \text{ dBm} - (\text{ANT Gain} + 10 \cdot \log(N=2)) - 6 \text{ dBi}$$

$$= 11 \text{ dBm} - (4 + 3.01 - 6) \text{ dBi} = 9.99 \text{ dBm}$$

4 BLOCK DIAGRAM OF EUT CONNECTION



5 TEST ENVIRONMENT

Environment	Temperature	Voltage
Normal	25°C	DC5V

6 TEST MODE

TEST MODE	TEST MODE DESCRIPTION
Transmitting mode	Keep the EUT in continuously transmitting mode with modulation. (Duty cycle>98%)
Remark: Only the data of the worst mode would be recorded in this report.	

7 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

8 DESCRIPTION OF SUPPORT UNIT

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

9 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.

10 TEST INSTRUMENTS LIST

Test Equipment Of Frequency Stability					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Spectrum	R&S	FSP40	100817	2021/10/12	2022/10/11
Spectrum	Agilent	N9020A	MY49100060	2021/10/12	2022/10/11
Signal Generator	Agilent	N5182A	MY49060650	2021/10/12	2022/10/11
Signal Generator	Agilent	E8257D	MY44320250	2021/10/12	2022/10/11

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	2020/11/10	2023/11/9
Spectrum	R&S	FSP40	100817	2021/10/12	2022/10/11
Receiver	R&S	ESR7	101199	2021/10/12	2022/10/11
broadband Antenna	Schwarzbeck	VULB9168	00836 P:00227	2020/9/26	2022/9/25
Horn Antenna	Schwarzbeck	9120D	01892 P:00331	2020/9/26	2022/9/25
Amplifier	SKET	PA-000318G-45	N/A	2021/10/16	2022/10/15
EMI software	EZ	EZ-EMC	EEMC-3A1	N/A	N/A
Loop antenna	SCHNARZBECK	FMZB1519B	00102	2020/9/26	2022/9/25
Controller	SKET	N/A	N/A	N/A	N/A
Coaxial Cable	BlueAsia	BLA-XC-02	N/A	N/A	N/A
Coaxial Cable	BlueAsia	BLA-XC-03	N/A	N/A	N/A
Coaxial Cable	BlueAsia	BLA-XC-01	N/A	N/A	N/A

Test Equipment Of Radiated Emissions					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due

Chamber	SKET	966	N/A	2020/11/10	2023/11/9
Spectrum	R&S	FSP40	100817	2021/10/12	2022/10/11
Receiver	R&S	ESR7	101199	2021/10/12	2022/10/11
broadband Antenna	Schwarzbeck	VULB9168	00836 P:00227	2020/9/26	2022/9/25
Horn Antenna	Schwarzbeck	9120D	01892 P:00331	2020/9/26	2022/9/25
Amplifier	SKET	PA-000318G-45	N/A	2021/10/16	2022/10/15
EMI software	EZ	EZ-EMC	EEMC-3A1	N/A	N/A
Loop antenna	SCHNARZBECK	FMZB1519B	00102	2020/9/26	2022/9/25
Controller	SKET	N/A	N/A	N/A	N/A
Coaxial Cable	BlueAsia	BLA-XC-02	N/A	N/A	N/A
Coaxial Cable	BlueAsia	BLA-XC-03	N/A	N/A	N/A
Coaxial Cable	BlueAsia	BLA-XC-01	N/A	N/A	N/A

Test Equipment Of DFS: Channel Closing Transmission Time

Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Spectrum	R&S	FSP40	100817	2021/10/12	2022/10/11
Spectrum	Agilent	N9020A	MY49100060	2021/10/12	2022/10/11
Signal Generator	Agilent	N5182A	MY49060650	2021/10/12	2022/10/11
Signal Generator	Agilent	E8257D	MY44320250	2021/10/12	2022/10/11

Test Equipment Of DFS: Non-occupancy period

Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Spectrum	R&S	FSP40	100817	2021/10/12	2022/10/11
Spectrum	Agilent	N9020A	MY49100060	2021/10/12	2022/10/11

Signal Generator	Agilent	N5182A	MY49060650	2021/10/12	2022/10/11
Signal Generator	Agilent	E8257D	MY44320250	2021/10/12	2022/10/11

Test Equipment Of Peak Power spectrum density

Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Spectrum	R&S	FSP40	100817	2021/10/12	2022/10/11
Spectrum	Agilent	N9020A	MY49100060	2021/10/12	2022/10/11
Signal Generator	Agilent	N5182A	MY49060650	2021/10/12	2022/10/11
Signal Generator	Agilent	E8257D	MY44320250	2021/10/12	2022/10/11

Test Equipment Of Transmitter Power Control

Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Spectrum	R&S	FSP40	100817	2021/10/12	2022/10/11
Spectrum	Agilent	N9020A	MY49100060	2021/10/12	2022/10/11
Signal Generator	Agilent	N5182A	MY49060650	2021/10/12	2022/10/11
Signal Generator	Agilent	E8257D	MY44320250	2021/10/12	2022/10/11

Test Equipment Of Maximum Conducted output power

Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Spectrum	R&S	FSP40	100817	2021/10/12	2022/10/11
Spectrum	Agilent	N9020A	MY49100060	2021/10/12	2022/10/11
Signal Generator	Agilent	N5182A	MY49060650	2021/10/12	2022/10/11
Signal Generator	Agilent	E8257D	MY44320250	2021/10/12	2022/10/11

Test Equipment Of Minimum 6 dB bandwidth (5.725-5.85 GHz band)

Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Spectrum	R&S	FSP40	100817	2021/10/12	2022/10/11
Spectrum	Agilent	N9020A	MY49100060	2021/10/12	2022/10/11
Signal Generator	Agilent	N5182A	MY49060650	2021/10/12	2022/10/11
Signal Generator	Agilent	E8257D	MY44320250	2021/10/12	2022/10/11

Test Equipment Of 26dB Emission bandwidth

Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Spectrum	R&S	FSP40	100817	2021/10/12	2022/10/11
Spectrum	Agilent	N9020A	MY49100060	2021/10/12	2022/10/11
Signal Generator	Agilent	N5182A	MY49060650	2021/10/12	2022/10/11
Signal Generator	Agilent	E8257D	MY44320250	2021/10/12	2022/10/11

Test Equipment Of 99% Bandwidth

Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Spectrum	R&S	FSP40	100817	2021/10/12	2022/10/11
Spectrum	Agilent	N9020A	MY49100060	2021/10/12	2022/10/11
Signal Generator	Agilent	N5182A	MY49060650	2021/10/12	2022/10/11
Signal Generator	Agilent	E8257D	MY44320250	2021/10/12	2022/10/11

Test Equipment Of Duty Cycle

Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Spectrum	R&S	FSP40	100817	2021/10/12	2022/10/11
Spectrum	Agilent	N9020A	MY49100060	2021/10/12	2022/10/11

Signal Generator	Agilent	N5182A	MY49060650	2021/10/12	2022/10/11
Signal Generator	Agilent	E8257D	MY44320250	2021/10/12	2022/10/11

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	2020/11/25	2023/11/24
Receiver	R&S	ESPI3	101082	2021/10/12	2022/10/11
LISN	R&S	ENV216	3560.6550.15	2021/10/12	2022/10/11
LISN	AT	AT166-2	AKK1806000003	2021/10/12	2022/10/11
EMI software	EZ	EZ-EMC	EEMC-3A1	N/A	N/A

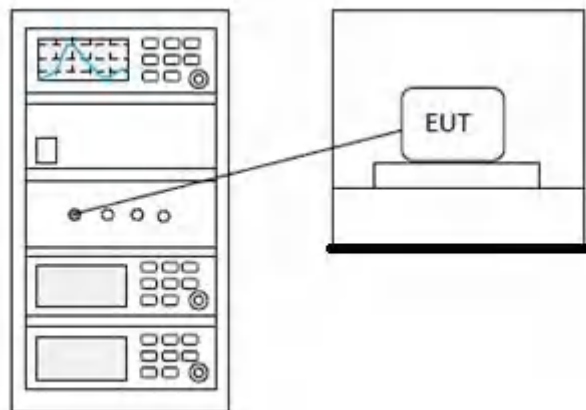
11 FREQUENCY STABILITY

Test Standard	47 CFR Part 15, Subpart E 15.407
Test Method	ANSI C63.10 (2013) Section 6.8
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Jozu
Temperature	25°C
Humidity	60%

11.1 LIMITS

Limit:	The frequency tolerance shall be maintained within the band of operation frequency over a temperature variation of 0 degrees to 35 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C.
---------------	---

11.2 BLOCK DIAGRAM OF TEST SETUP



11.3 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details

12 RADIATED EMISSIONS WHICH FALL IN THE RESTRICTED BANDS

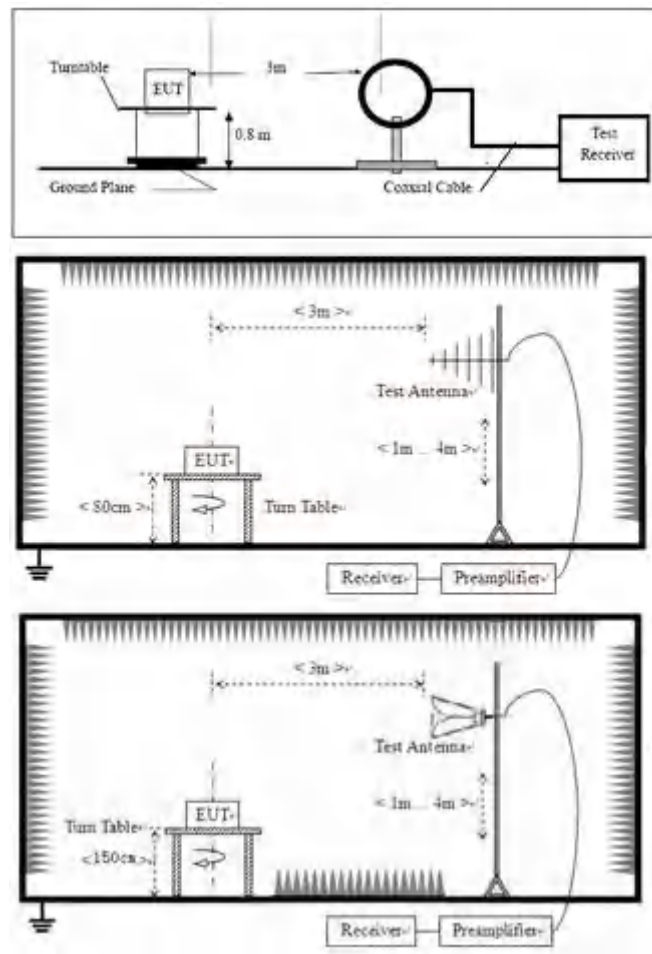
Test Standard	47 CFR Part 15, Subpart E 15.407
Test Method	KDB 789033 D02 II G
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Jozu
Temperature	25°C
Humidity	60%

12.1 LIMITS

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
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.

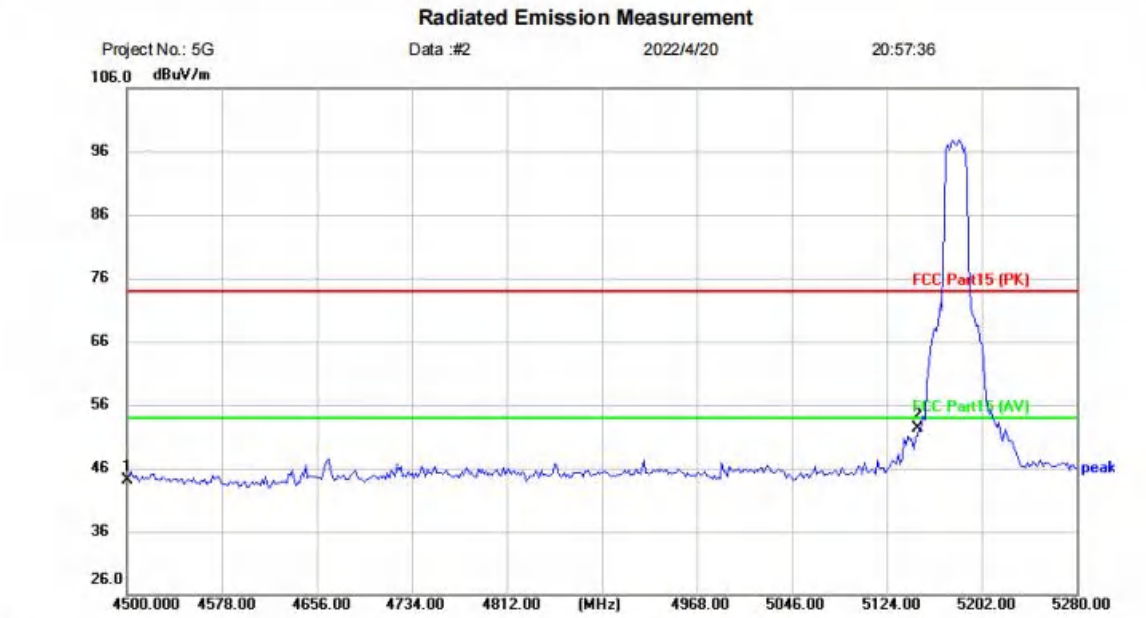
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
 - i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
 - j. Repeat above procedures until all frequencies measured was complete.
- Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

BlueAsia

12.4 TEST DATA

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

[TestMode: TX band 1 a 5180 channel]; [Polarity: Horizontal]



Site: _____ Polarization: **Horizontal** Temperature: _____ (C)
 Limit: FCC Part15 (PK) Power: _____ Humidity: _____ %RH
 EUT: Wifi/bt Module
 M/N: L297B-SR
 Mode: 5.1G-A-TX-L
 Note:

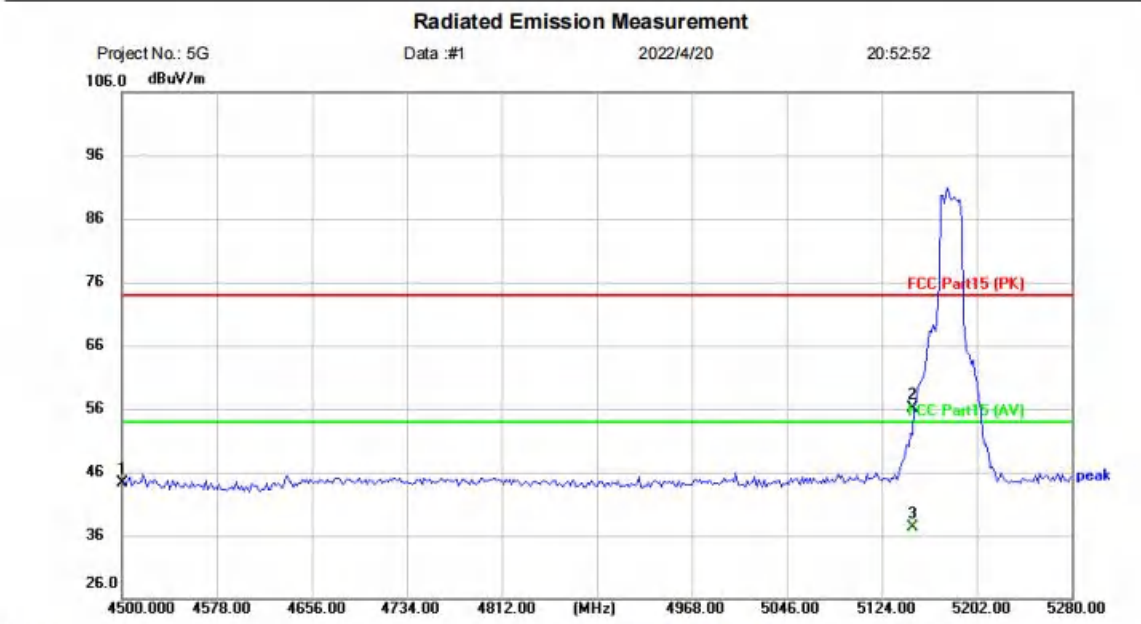
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		4500.000	43.45	0.67	44.12	74.00	-29.88	peak	
2	*	5150.000	51.08	1.26	52.34	74.00	-21.66	peak	

*:Maximum data x:Over limit l:over margin

(Reference Only)

Test Result: Pass

[TestMode: TX band 1 a 5180 channel]; [Polarity: Vertical]



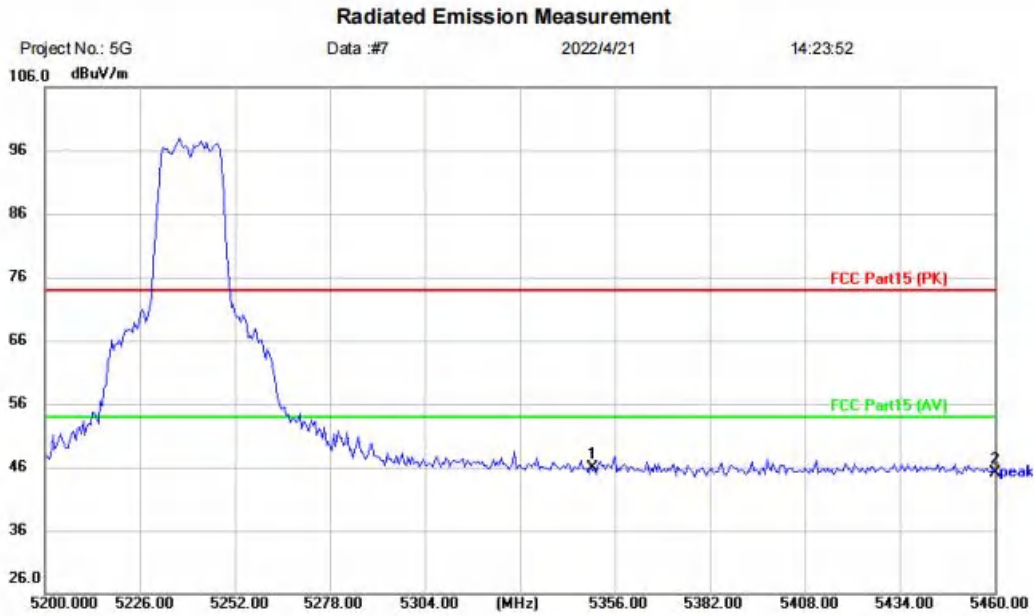
Site: _____ Polarization: **Vertical** Temperature: _____ (C)
 Limit: FCC Part15 (PK) Power: _____ Humidity: _____ %RH
 EUT: Wifi/bt Module
 M/N: L297B-SR
 Mode: 5.1G-A-TX-L
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		4500.000	43.63	0.67	44.30	74.00	-29.70	peak	
2		5150.000	54.94	1.26	56.20	74.00	-17.80	peak	
3	*	5150.000	36.07	1.26	37.33	54.00	-16.67	AVG	

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

Test Result: Pass

[TestMode: TX band1 a 5240 channel]; [Polarity: Horizontal]



Site	Polarization: Horizontal	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Wifi/bt Module		
M/N: L297B-SR		
Mode: 5.1G-A-TX-H		
Note:		

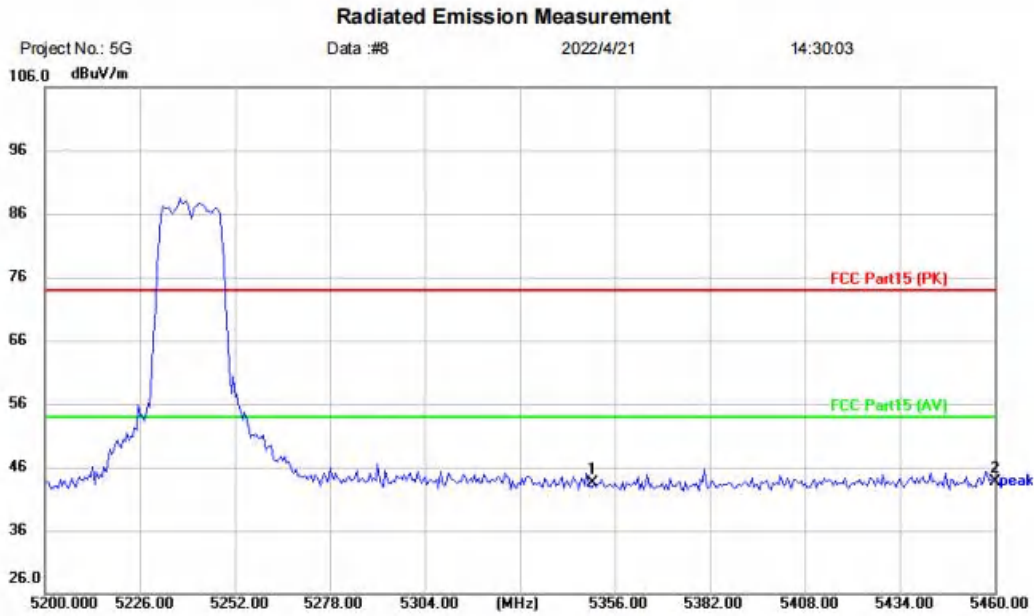
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	5350.000	44.28	1.55	45.83	74.00	-28.17	peak	
2		5460.000	43.36	1.78	45.14	74.00	-28.86	peak	

*:Maximum data x:Over limit l:over margin

(Reference Only)

Test Result: Pass

[TestMode: TX band1 a 5240 channel]; [Polarity: Vertical]



Site	Polarization: Vertical	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Wifi/bt Module		
M/N: L297B-SR		
Mode: 5.1G-A-TX-H		
Note:		

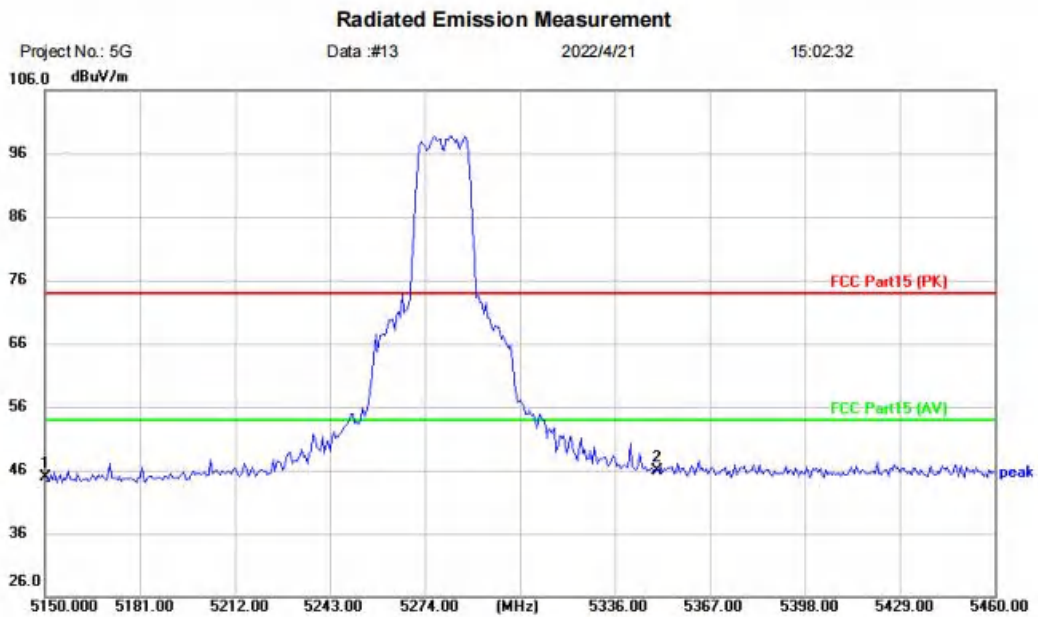
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5350.000	41.97	1.55	43.52	74.00	-30.48	peak	
2	*	5460.000	41.88	1.78	43.66	74.00	-30.34	peak	

*:Maximum data x:Over limit l:over margin

(Reference Only)

Test Result: Pass

[TestMode: TX band2 a 5280 channel]; [Polarity: Horizontal]



Site	Polarization: Horizontal	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Wifi/bt Module		
M/N: L297B-SR		
Mode: 5.2G-A-TX-L		
Note:		

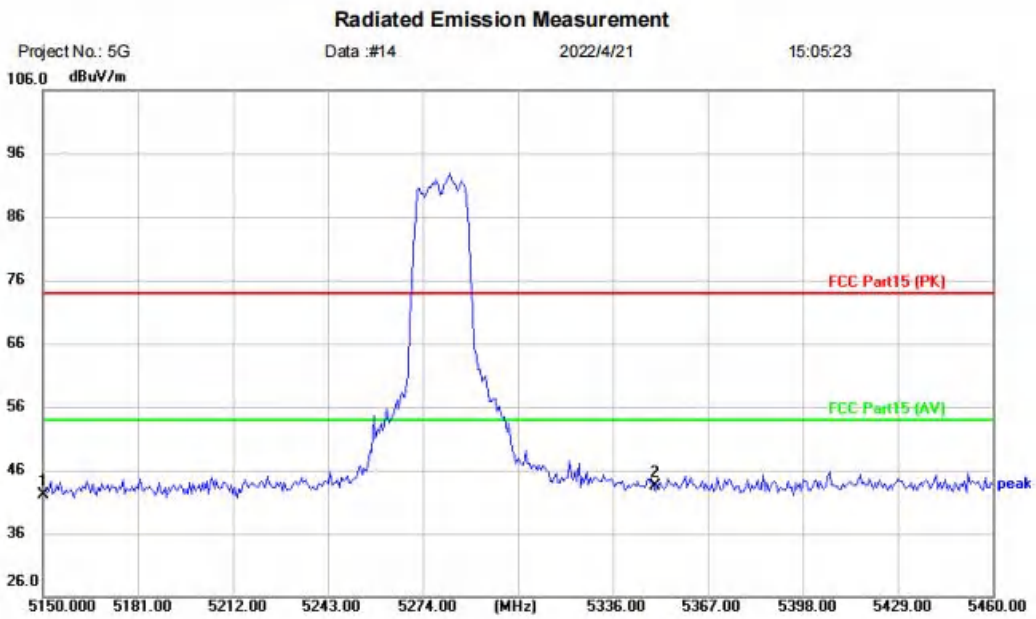
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5150.000	43.59	1.26	44.85	74.00	-29.15	peak	
2	*	5350.000	44.28	1.55	45.83	74.00	-28.17	peak	

*:Maximum data x:Over limit l:over margin

(Reference Only)

Test Result: Pass

[TestMode: TX band2 a 5280 channel]; [Polarity: Vertical]



Site	Polarization: Vertical	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Wifi/bt Module		
M/N: L297B-SR		
Mode: 5.2G-A-TX-L		
Note:		

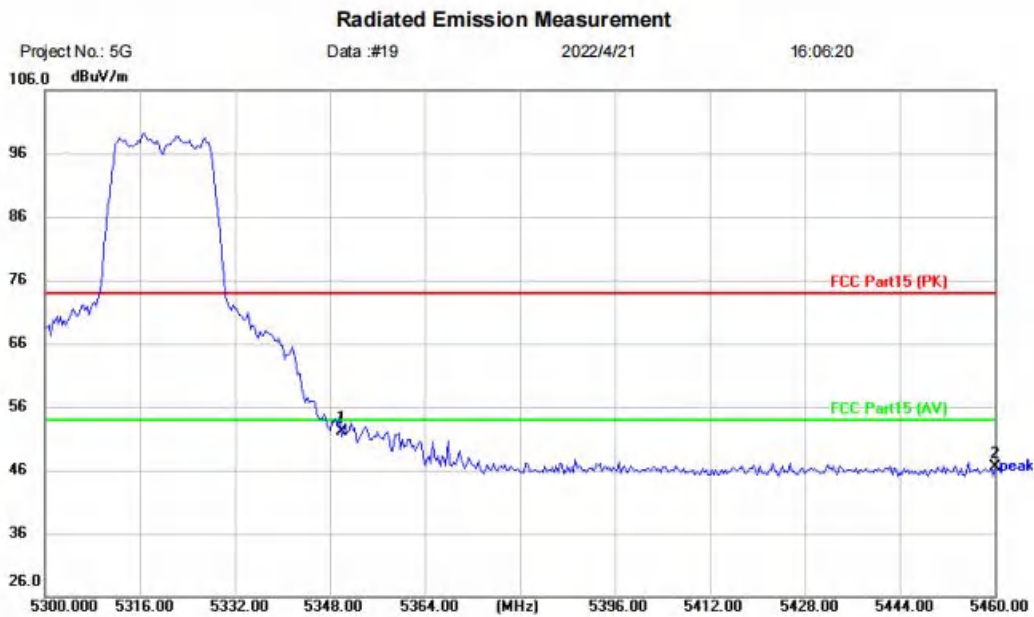
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5150.000	40.92	1.26	42.18	74.00	-31.82	peak	
2	*	5350.000	41.92	1.55	43.47	74.00	-30.53	peak	

*:Maximum data x:Over limit l:over margin

(Reference Only)

Test Result: Pass

[TestMode: TX band2 a 5320 channel]; [Polarity: Horizontal]



Site	Polarization: Horizontal	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Wifi/bt Module		
M/N: L297B-SR		
Mode: 5.2G-A-TX-H		
Note:		

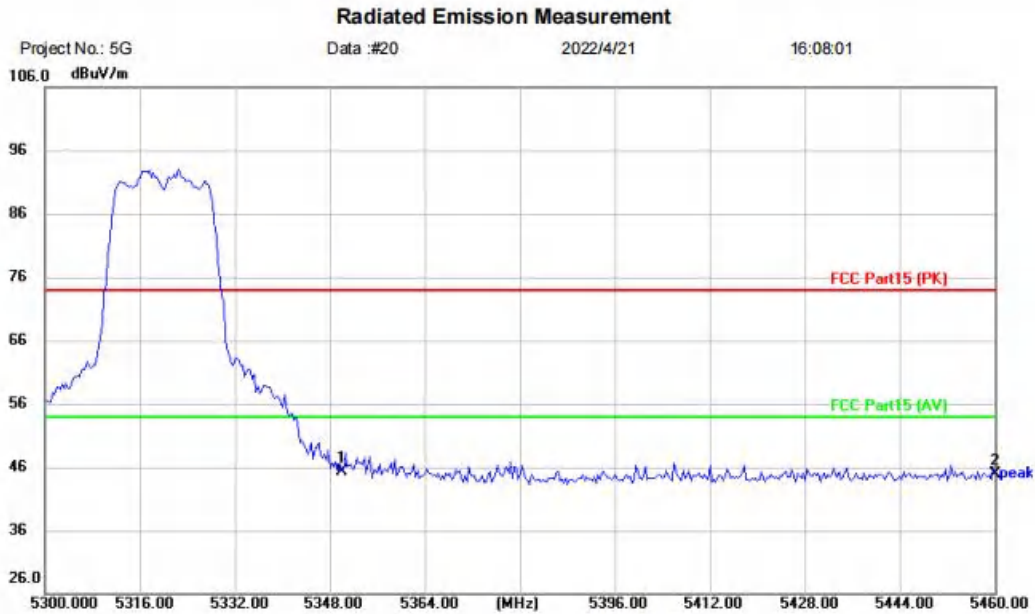
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	5350.000	50.60	1.55	52.15	74.00	-21.85	peak	
2		5460.000	44.79	1.78	46.57	74.00	-27.43	peak	

*:Maximum data x:Over limit l:over margin

(Reference Only)

Test Result: Pass

[TestMode: TX band2 a 5320 channel]; [Polarity: Vertical]



Site: _____ Polarization: **Vertical** Temperature: _____ (C)
 Limit: FCC Part15 (PK) Power: _____ Humidity: _____ %RH
 EUT: Wifi/bt Module
 M/N: L297B-SR
 Mode: 5.2G-A-TX-H
 Note:

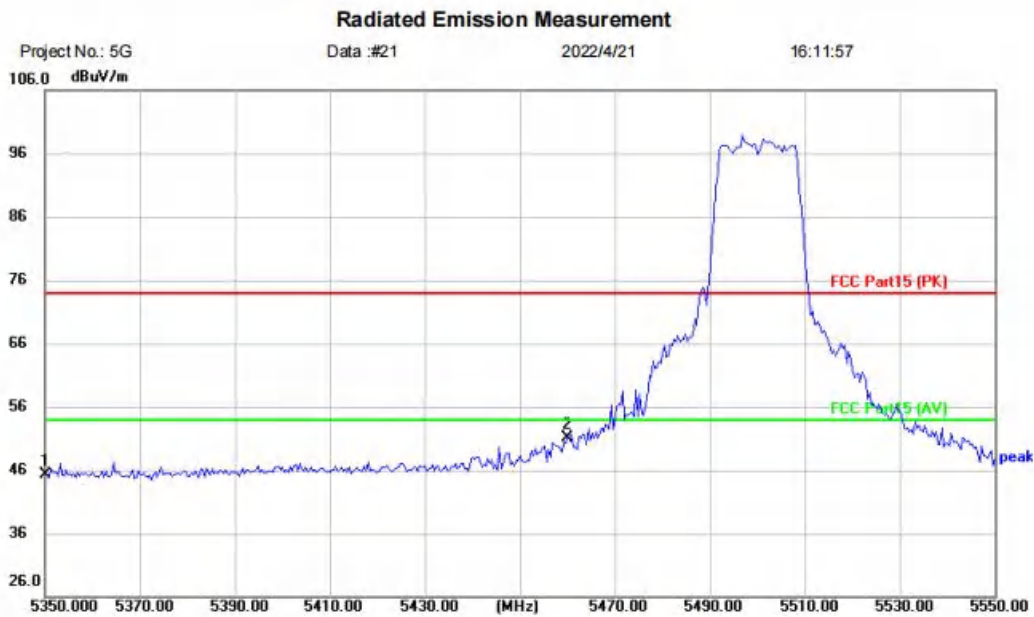
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	5350.000	43.83	1.55	45.38	74.00	-28.62	peak	
2		5460.000	43.20	1.78	44.98	74.00	-29.02	peak	

*:Maximum data x:Over limit l:over margin

(Reference Only)

Test Result: Pass

[TestMode: TX band3 a 5500 channel]; [Polarity: Horizontal]



Site	Polarization: Horizontal	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Wifi/bt Module		
M/N: L297B-SR		
Mode: 5.3G-A-TX-L		
Note:		

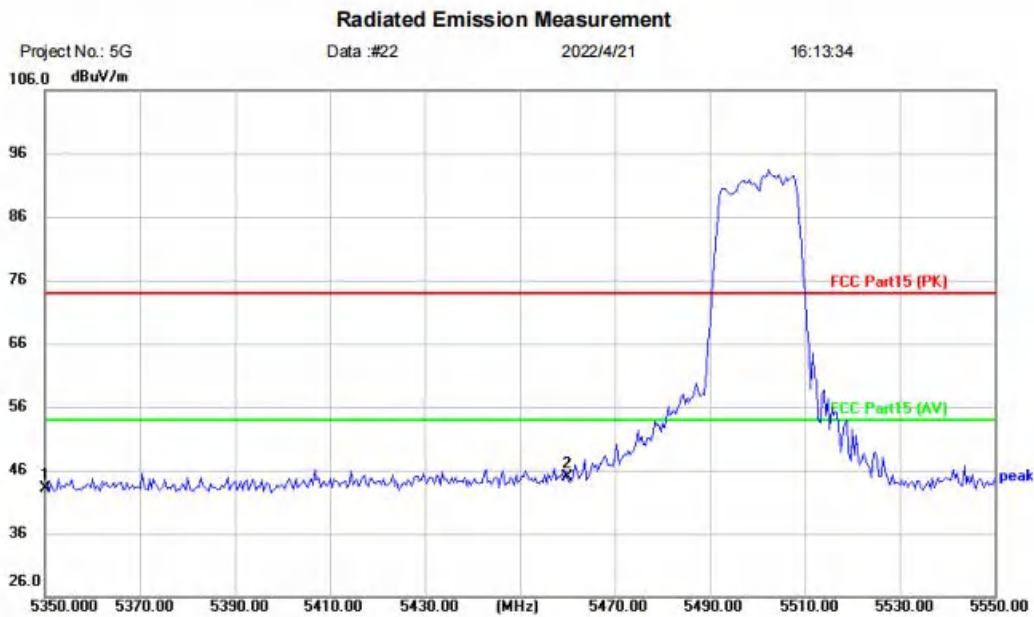
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5350.000	43.82	1.55	45.37	74.00	-28.63	peak	
2	*	5460.000	49.41	1.78	51.19	74.00	-22.81	peak	

*:Maximum data x:Over limit l:over margin

(Reference Only)

Test Result: Pass

[TestMode: TX band3 a 5500 channel]; [Polarity: Vertical]



Site	Polarization: Vertical	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Wifi/bt Module		
M/N: L297B-SR		
Mode: 5.3G-A-TX-L		
Note:		

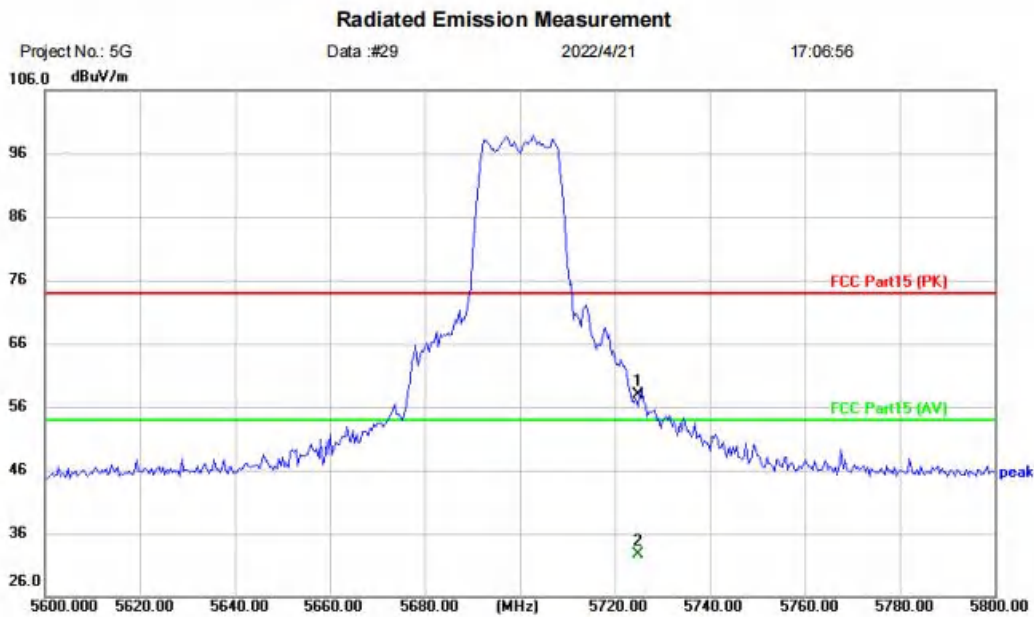
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		5350.000	41.58	1.55	43.13	74.00	-30.87	peak	
2	*	5460.000	43.11	1.78	44.89	74.00	-29.11	peak	

*:Maximum data x:Over limit l:over margin

(Reference Only)

Test Result: Pass

[TestMode: TX band3 a 5700 channel]; [Polarity: Horizontal]



Site	Polarization: Horizontal	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Wifi/bt Module		
M/N: L297B-SR		
Mode: 5.3G-A-TX-H		
Note:		

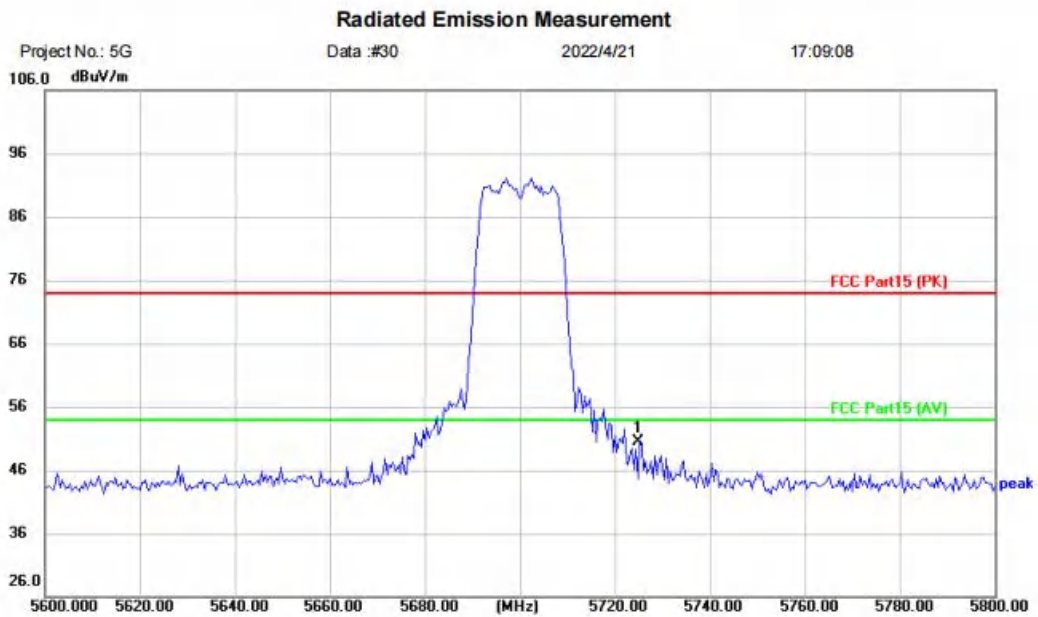
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	5725.000	56.08	1.80	57.88	74.00	-16.12	peak	
2		5725.000	30.86	1.80	32.66	54.00	-21.34	AVG	

*:Maximum data x:Over limit l:over margin

(Reference Only)

Test Result: Pass

[TestMode: TX band3 a 5700 channel]; [Polarity: Vertical]



Site	Polarization: Vertical	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Wifi/bt Module		
M/N: L297B-SR		
Mode: 5.3G-A-TX-H		
Note:		

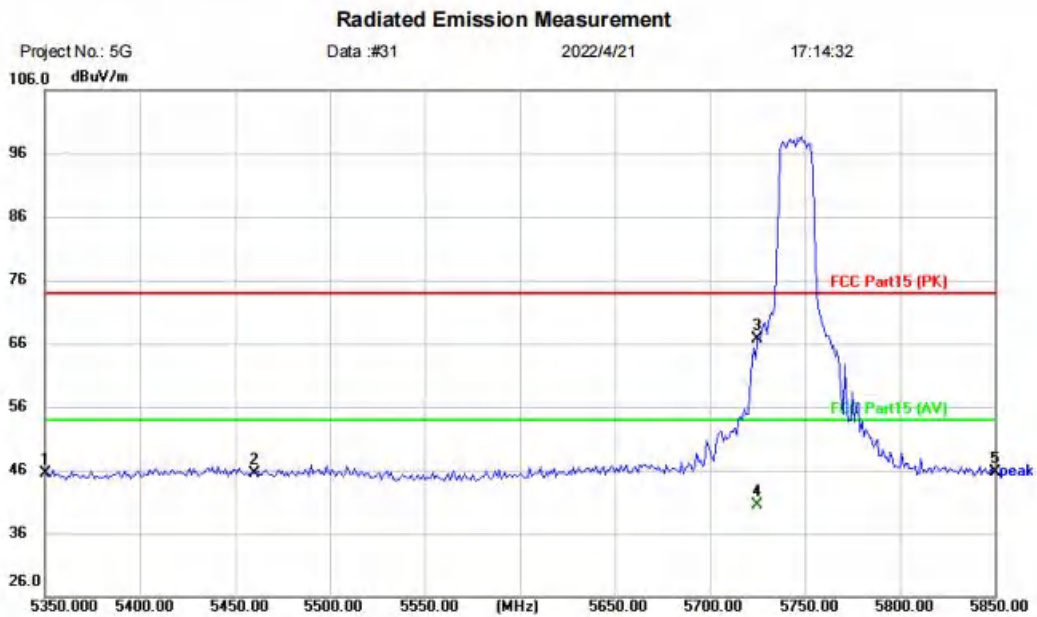
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1	*	5725.000	48.71	1.80	50.51	74.00	-23.49	peak	

*:Maximum data x:Over limit l:over margin

(Reference Only)

Test Result: Pass

[TestMode: TX band4 a 5745 channel]; [Polarity: Horizontal]



Site: Polarization: **Horizontal** Temperature: (C)

Limit: FCC Part15 (PK) Power: Humidity: %RH

EUT: Wifi/bt Module

M/N: L297B-SR

Mode: 5.4G-A-TX-L

Note:

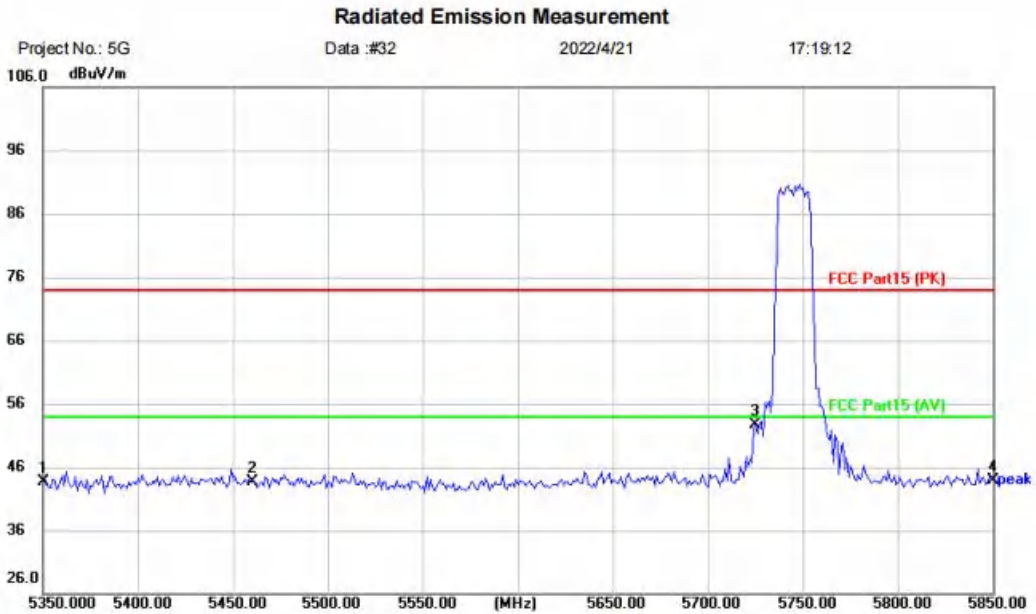
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5350.000	44.02	1.55	45.57	74.00	-28.43	peak	
2		5460.000	43.65	1.78	45.43	74.00	-28.57	peak	
3	*	5725.000	64.81	1.80	66.61	74.00	-7.39	peak	
4		5725.000	38.65	1.80	40.45	54.00	-13.55	AVG	
5		5850.000	44.01	1.78	45.79	74.00	-28.21	peak	

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

(Reference Only)

Test Result: Pass

[TestMode: TX band4 a 5745 channel]; [Polarity: Vertical]



Site	Polarization: Vertical	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Wifi/bt Module		
M/N: L297B-SR		
Mode: 5.4G-A-TX-L		
Note:		

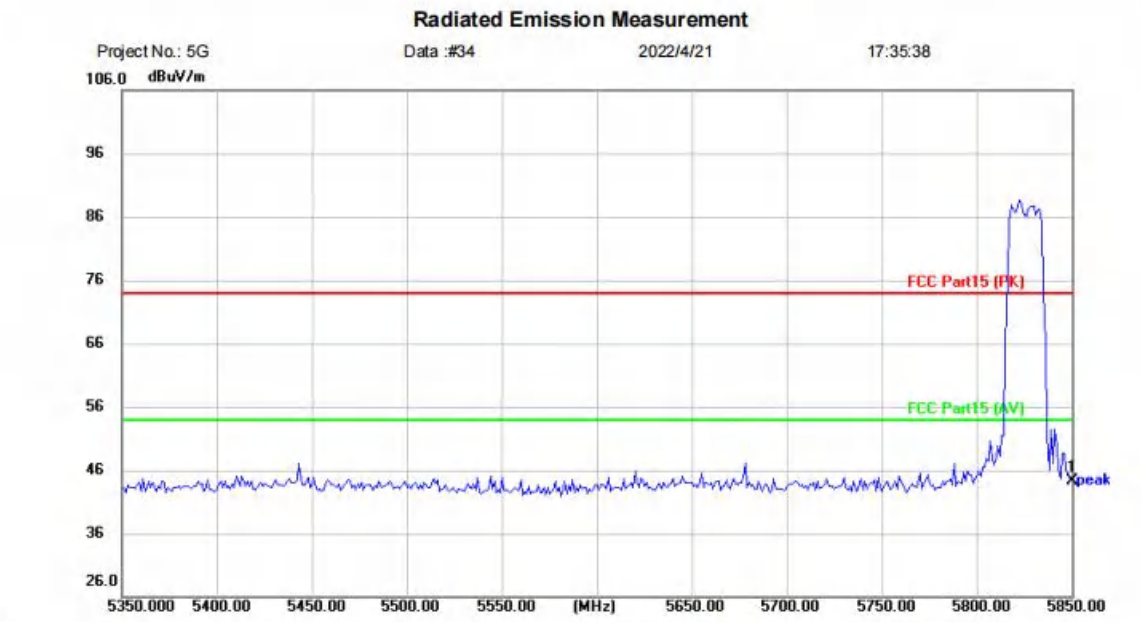
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		5350.000	42.22	1.55	43.77	74.00	-30.23	peak	
2		5460.000	41.98	1.78	43.76	74.00	-30.24	peak	
3	*	5725.000	50.90	1.80	52.70	74.00	-21.30	peak	
4		5850.000	42.10	1.78	43.88	74.00	-30.12	peak	

*:Maximum data x:Over limit l:over margin

(Reference Only)

Test Result: Pass

[TestMode: TX band4 a 5825 channel]; [Polarity: Vertical]



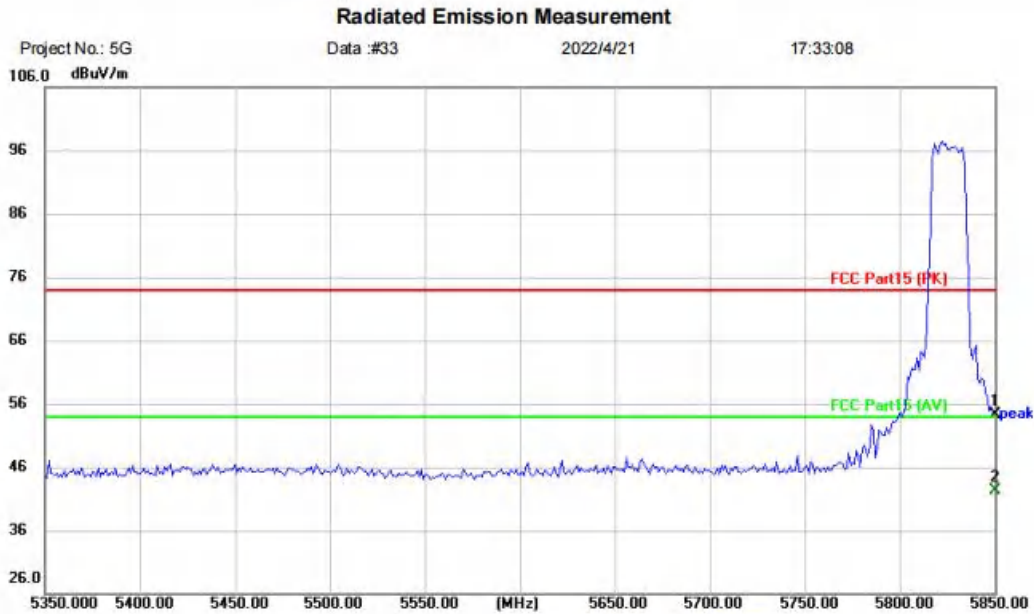
Site	Polarization: Vertical	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Wifi/bt Module		
M/N: L297B-SR		
Mode: 5.4G-A-TX-H		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1	*	5850.000	42.44	1.78	44.22	74.00	-29.78	peak	

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

Test Result: Pass

[TestMode: TX band4 a 5825 channel]; [Polarity: Horizontal]



Site	Polarization: Horizontal	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Wifi/bt Module		
M/N: L297B-SR		
Mode: 5.4G-A-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		5850.000	52.57	1.78	54.35	74.00	-19.65	peak	
2	*	5850.000	40.55	1.78	42.33	54.00	-11.67	AVG	

*:Maximum data x:Over limit l:over margin

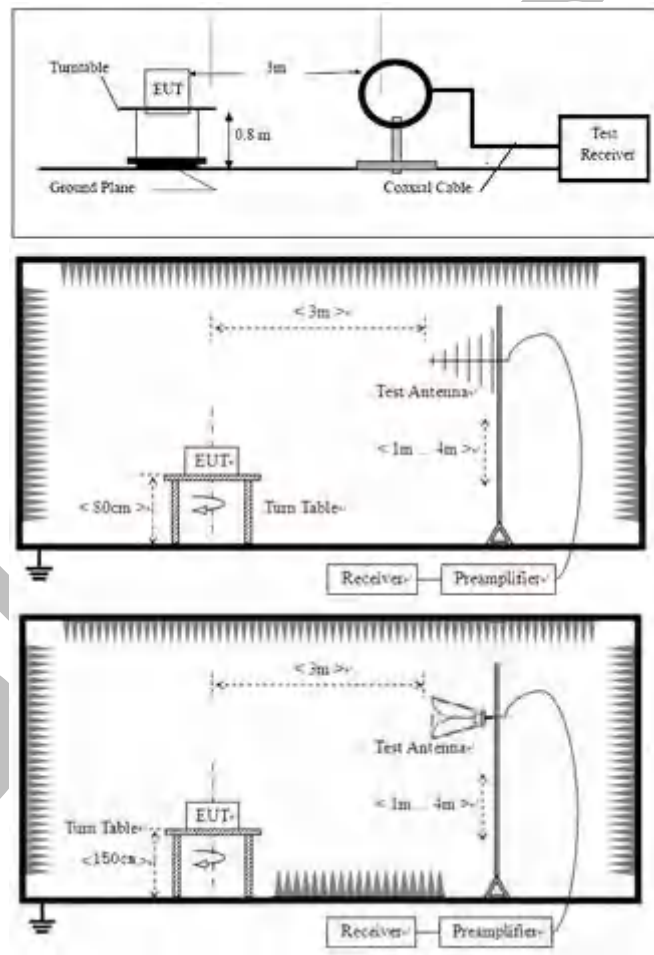
(Reference Only)

Test Result: Pass

13 RADIATED EMISSIONS

Test Standard	47 CFR Part 15, Subpart E 15.407
Test Method	KDB 789033 D02 II G
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Jozu
Temperature	25°C
Humidity	60%

13.1 BLOCK DIAGRAM OF TEST SETUP



13.2 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.

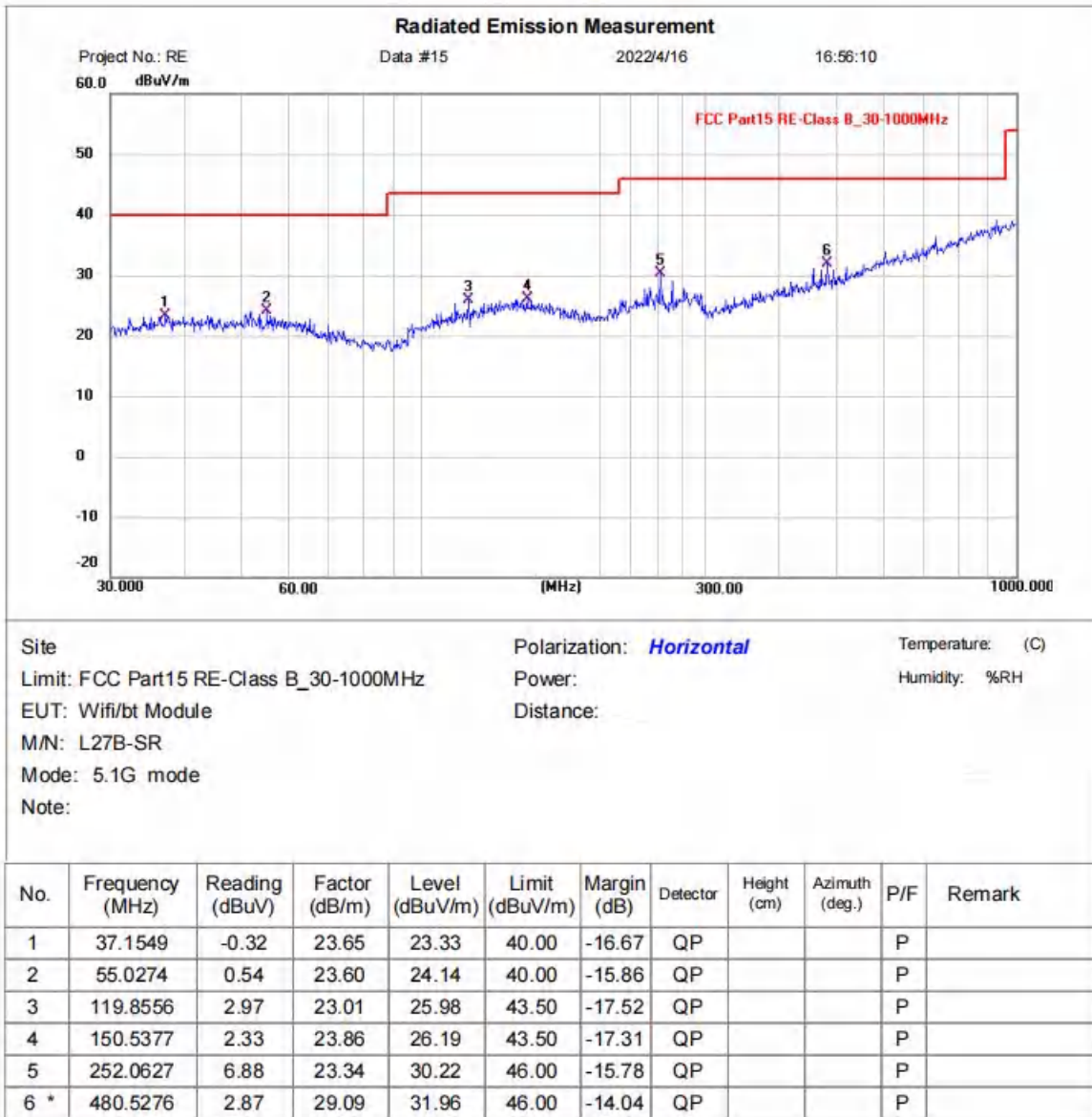
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. 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.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. 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
2. For emission below 1GHz, through the pre-scan found the worst case is the lowest channel of 802.11a. Only the worst case is recorded in the report.
3. Scan from 9kHz to 40GHz, 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. As shown in this section, 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.

13.3 TEST DATA

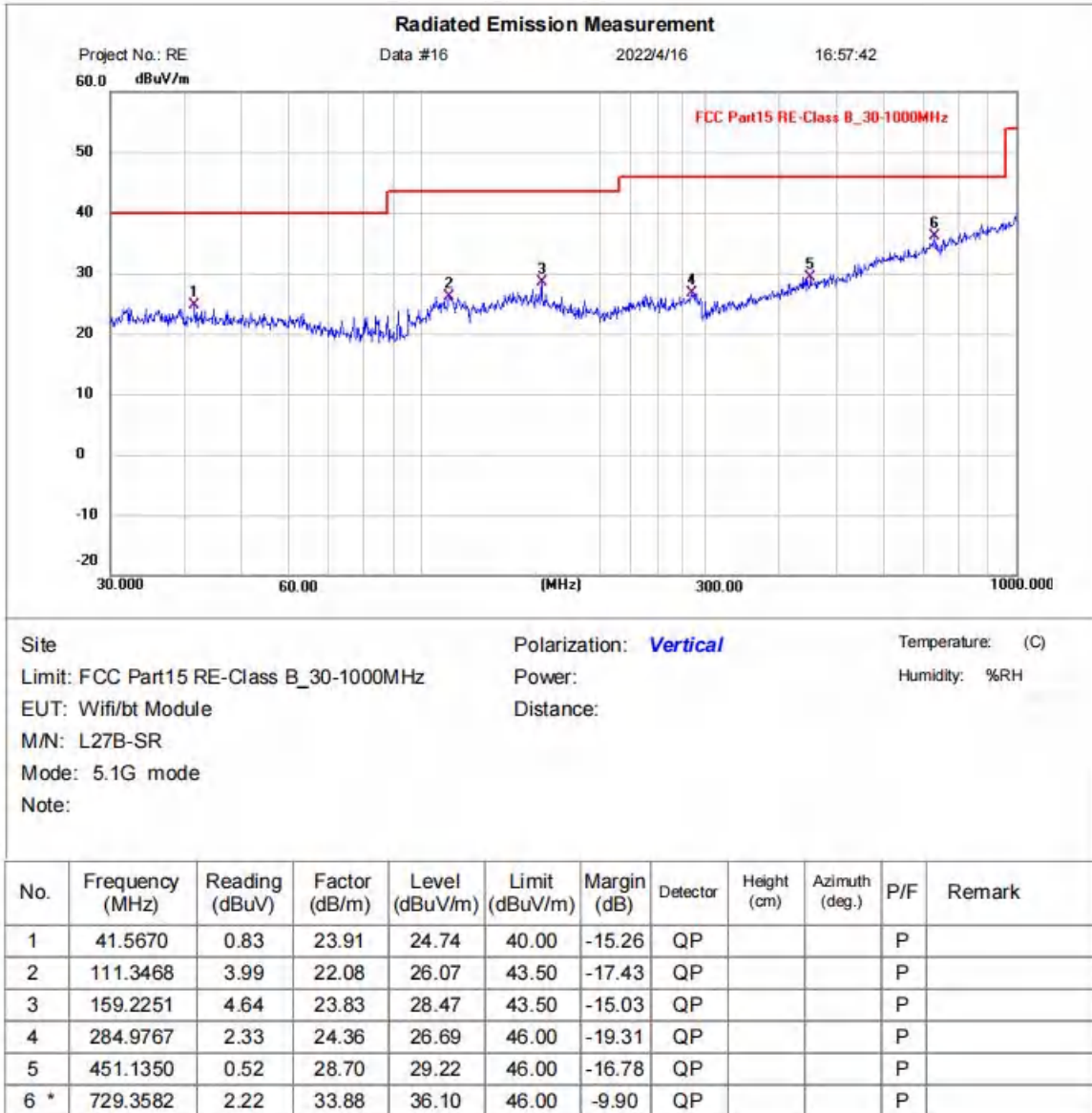
[TestMode: TX band1 below 1G]; [Polarity: Horizontal]



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

Test Result: Pass

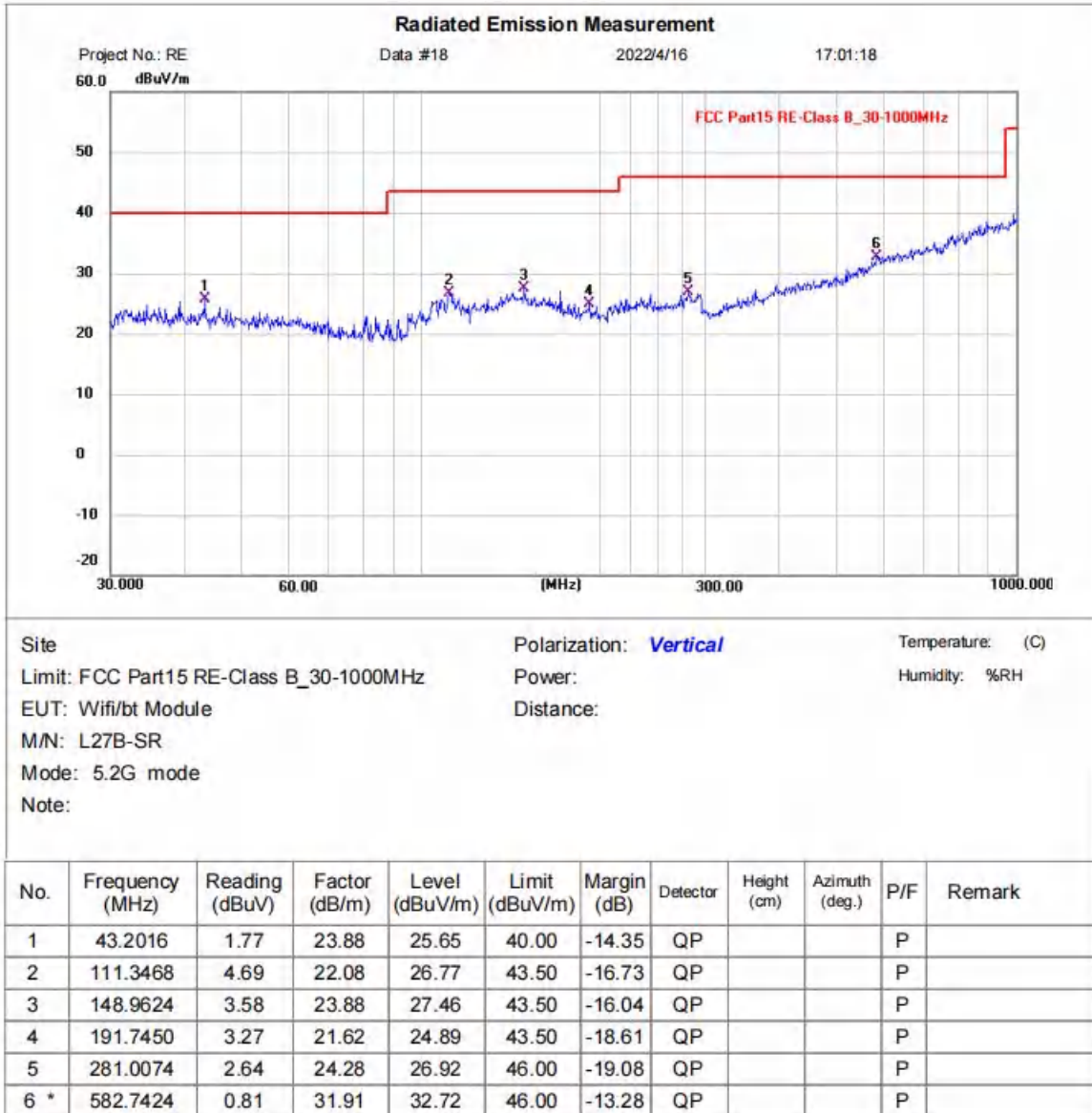
[TestMode: TX band1 below 1G]; [Polarity: Vertical]



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

Test Result: Pass

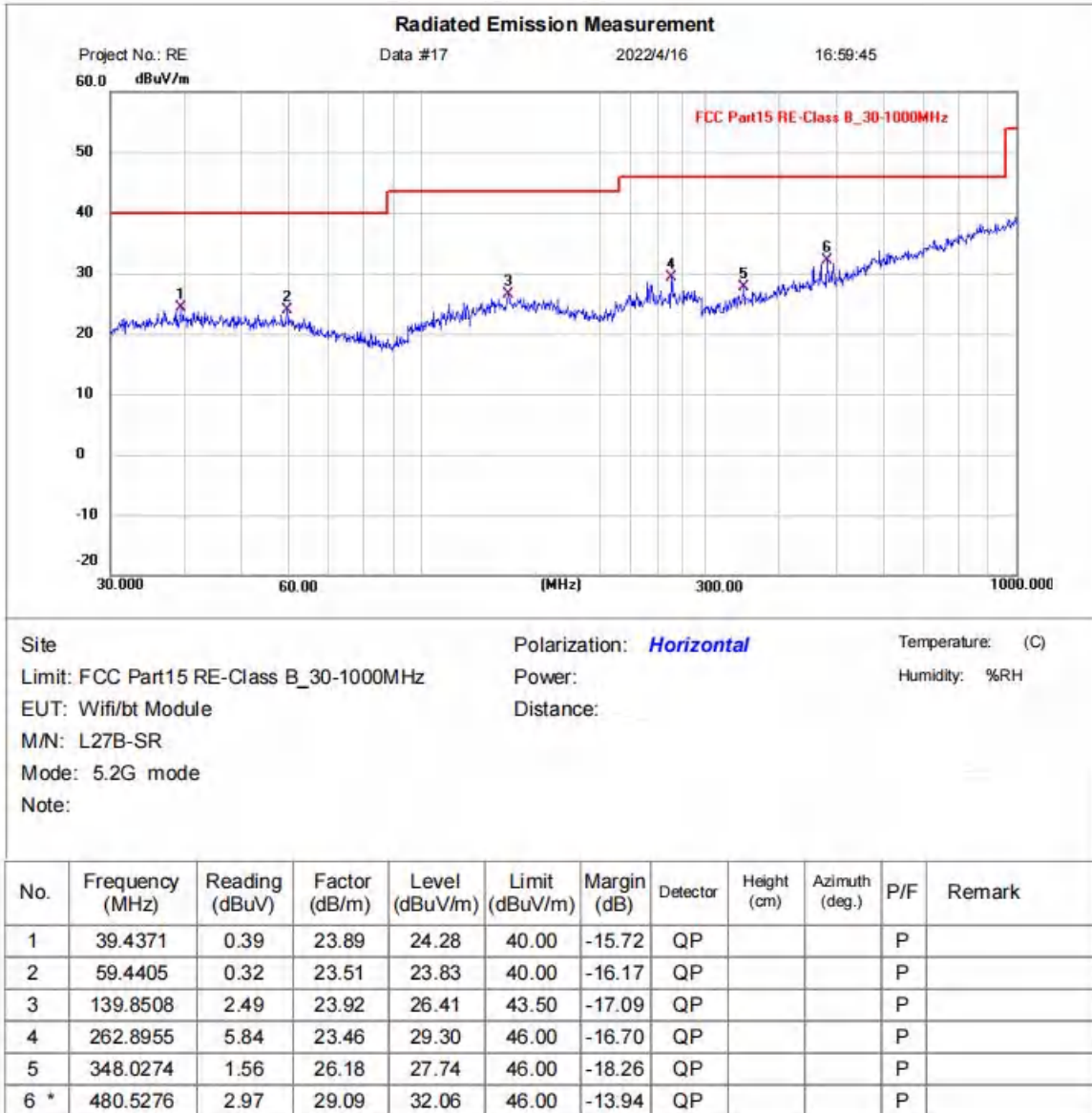
[TestMode: TX band2 below 1G]; [Polarity: Vertical]



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

Test Result: Pass

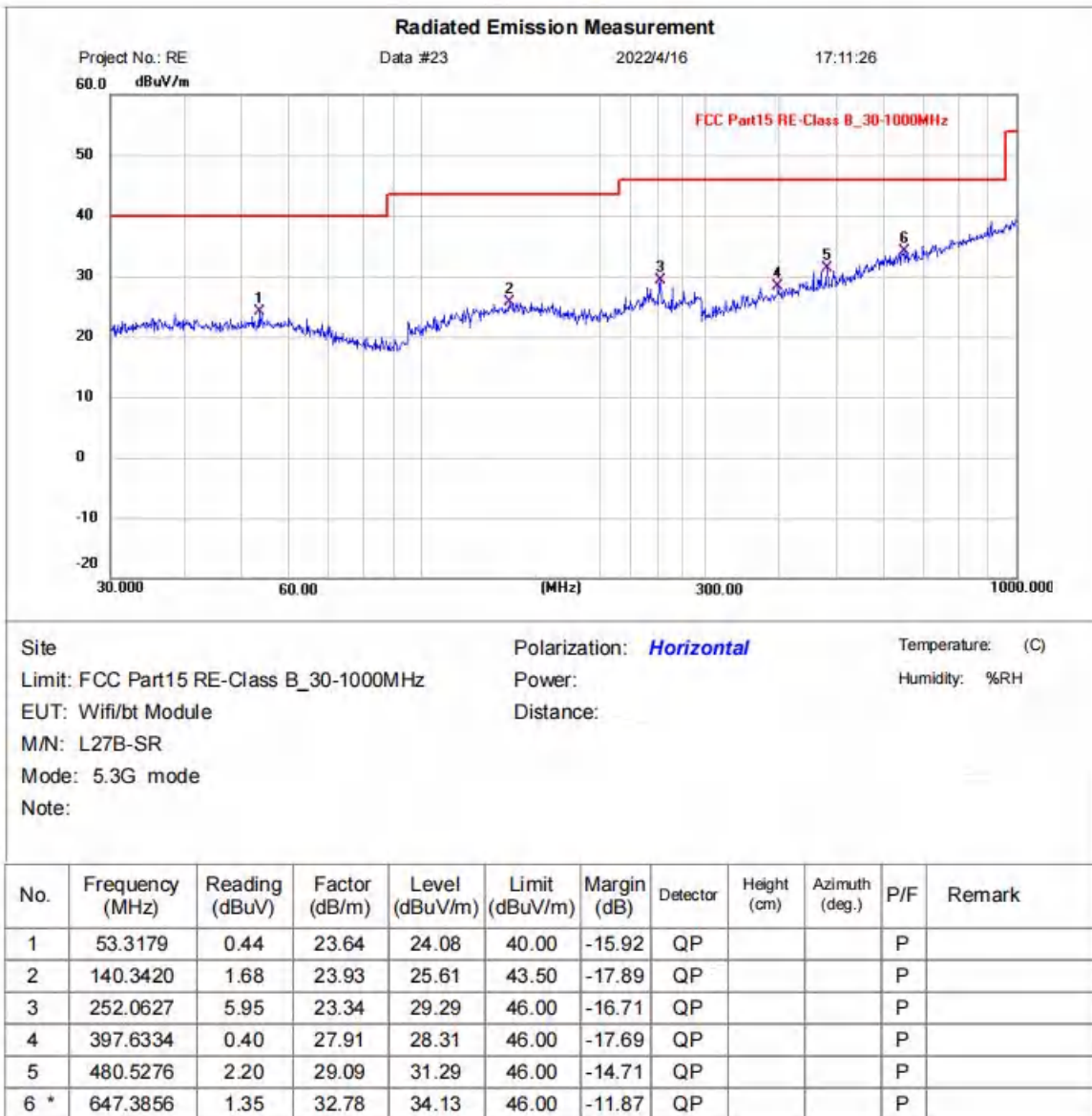
[TestMode: TX band2 below 1G]; [Polarity: Horizontal]



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

Test Result: Pass

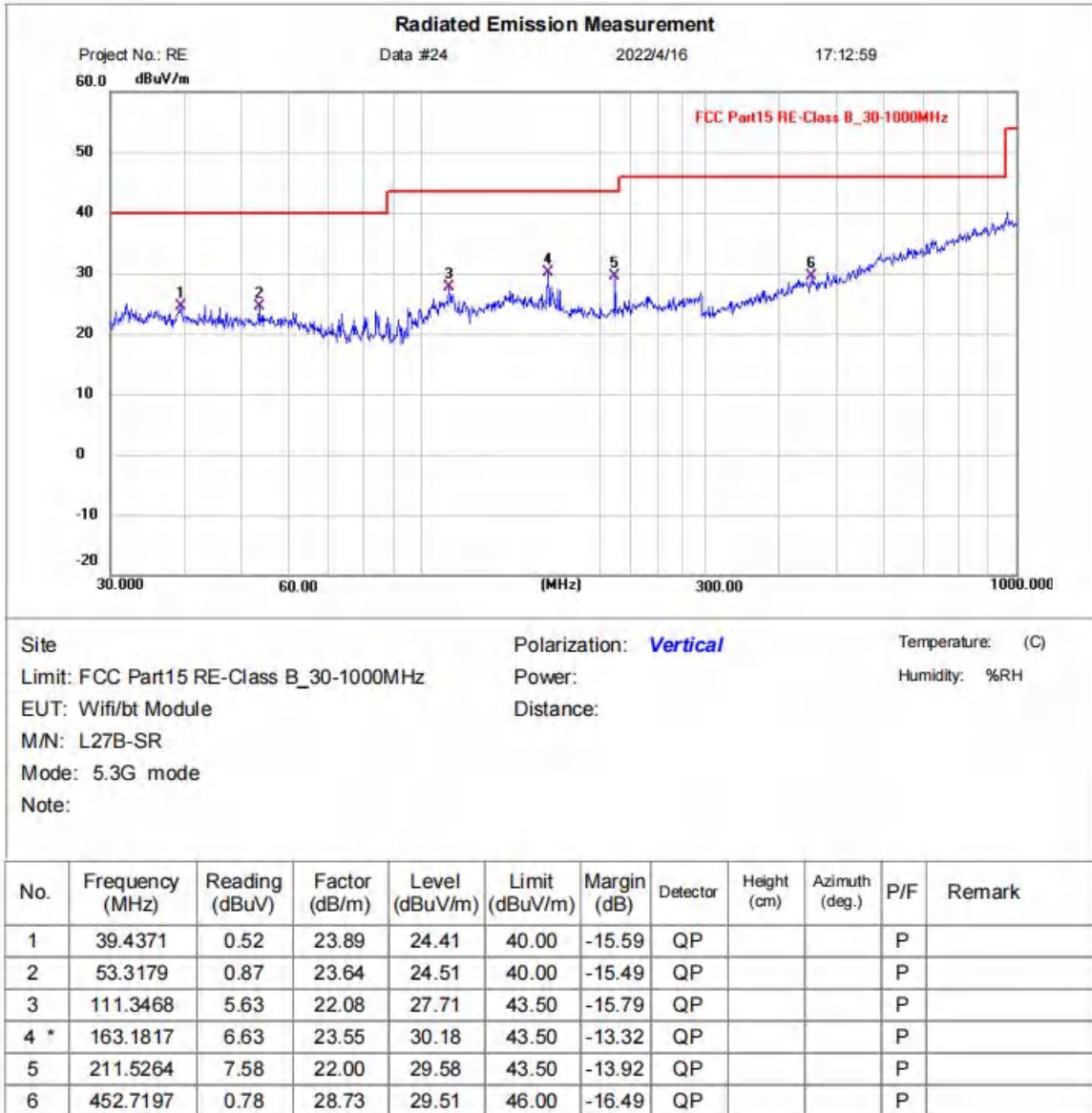
[TestMode: TX band3 below 1G]; [Polarity: Horizontal]



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

Test Result: Pass

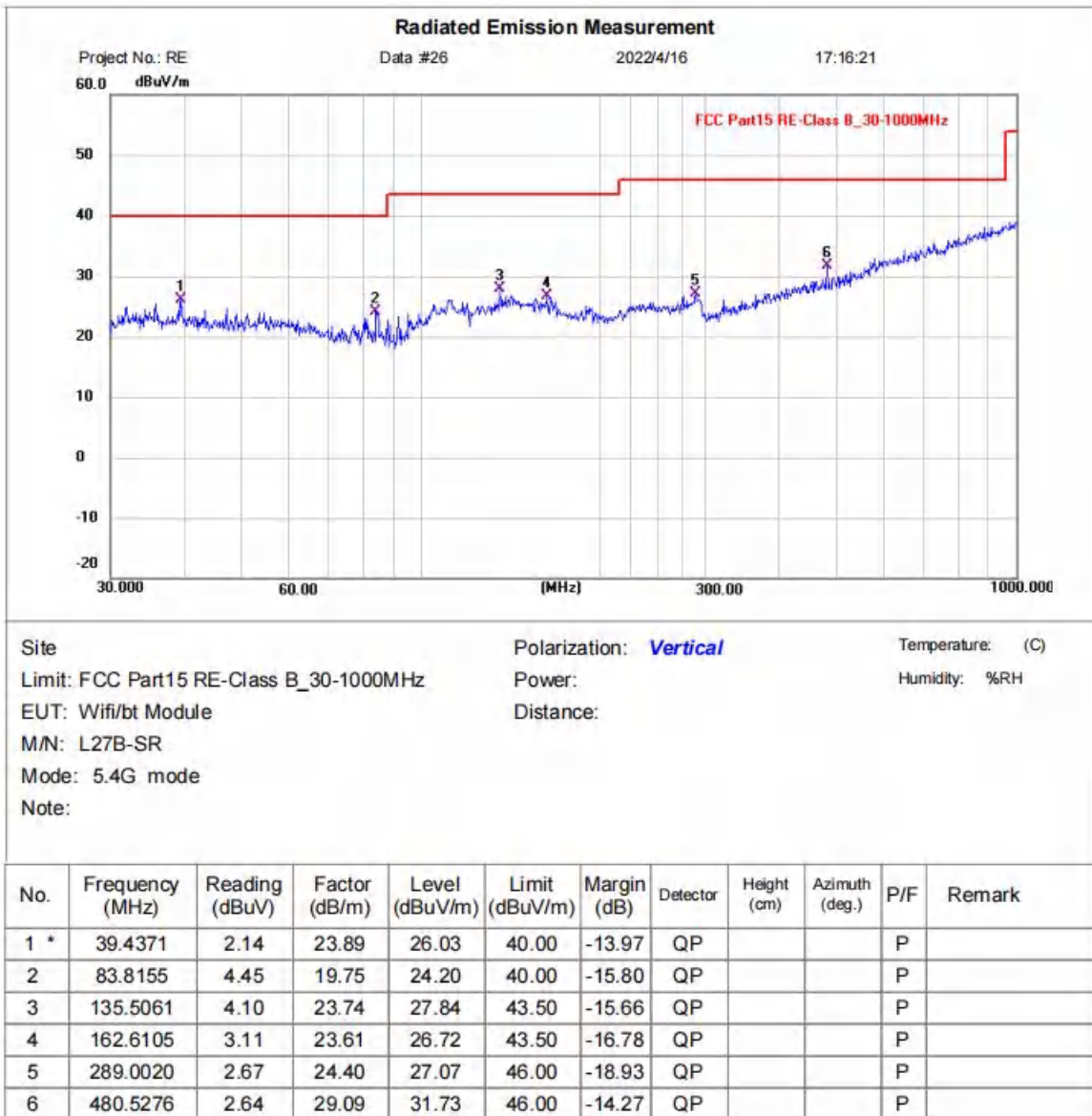
[TestMode: TX band3 below 1G]; [Polarity: Vertical]



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

Test Result: Pass

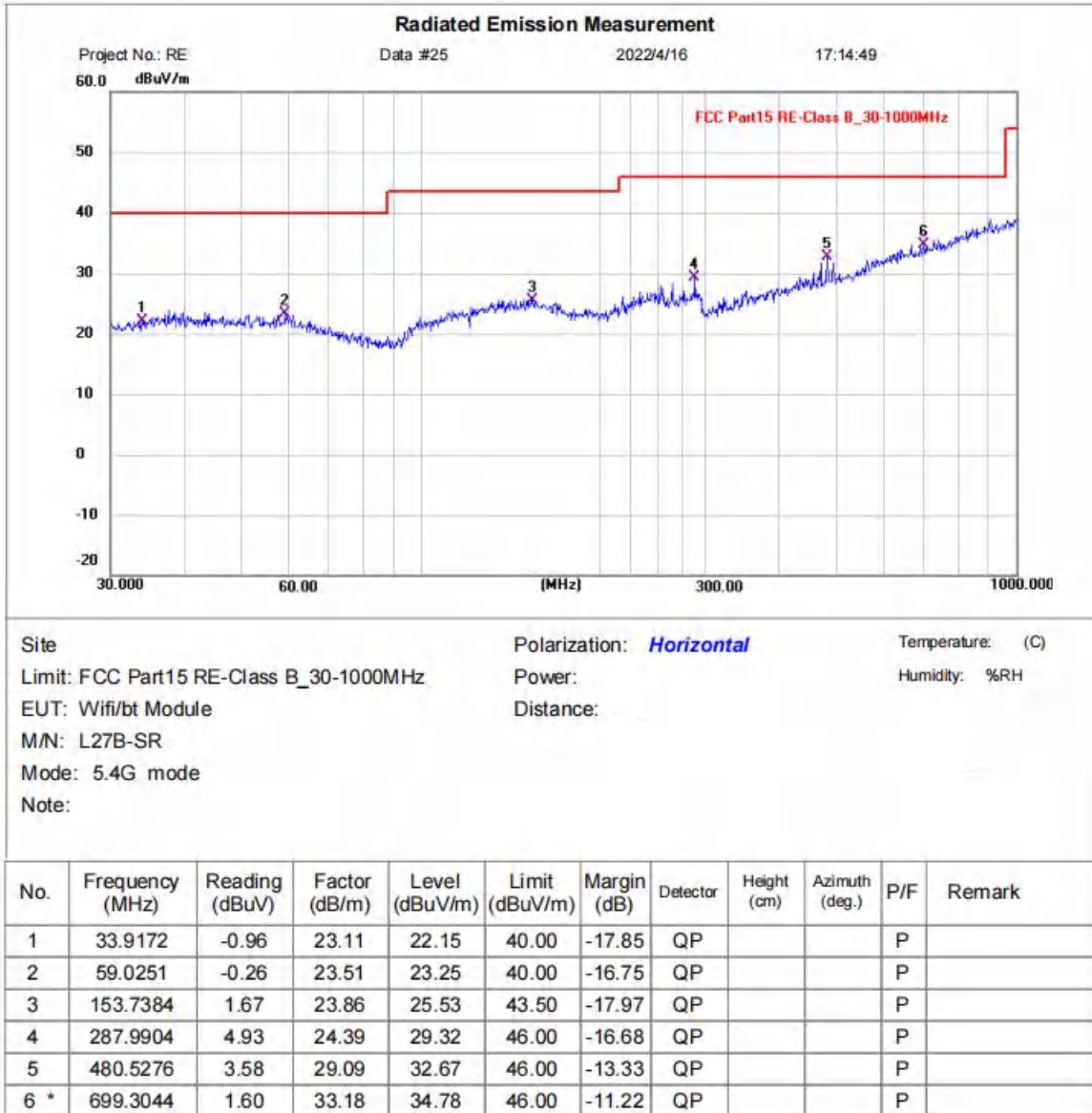
[TestMode: TX band4 below 1G]; [Polarity: Vertical]



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

Test Result: Pass

[TestMode: TX band4 below 1G]; [Polarity: Horizontal]

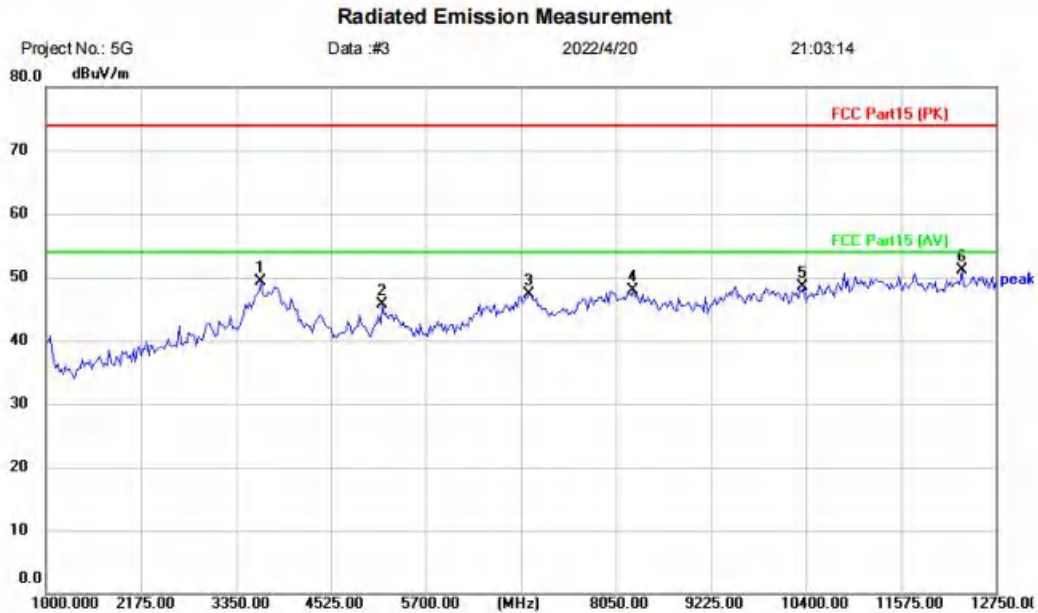


*:Maximum data x:Over limit !:over margin

Test Result: Pass

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

[TestMode: TX a 5180 channel]; [Polarity: Vertical]



Site: Polarization: **Vertical** Temperature: (C)
 Limit: FCC Part15 (PK) Power: Humidity: %RH
 EUT: Wifi/bt Module
 M/N: L297B-SR
 Mode: 5.1G-A-TX-L
 Note:

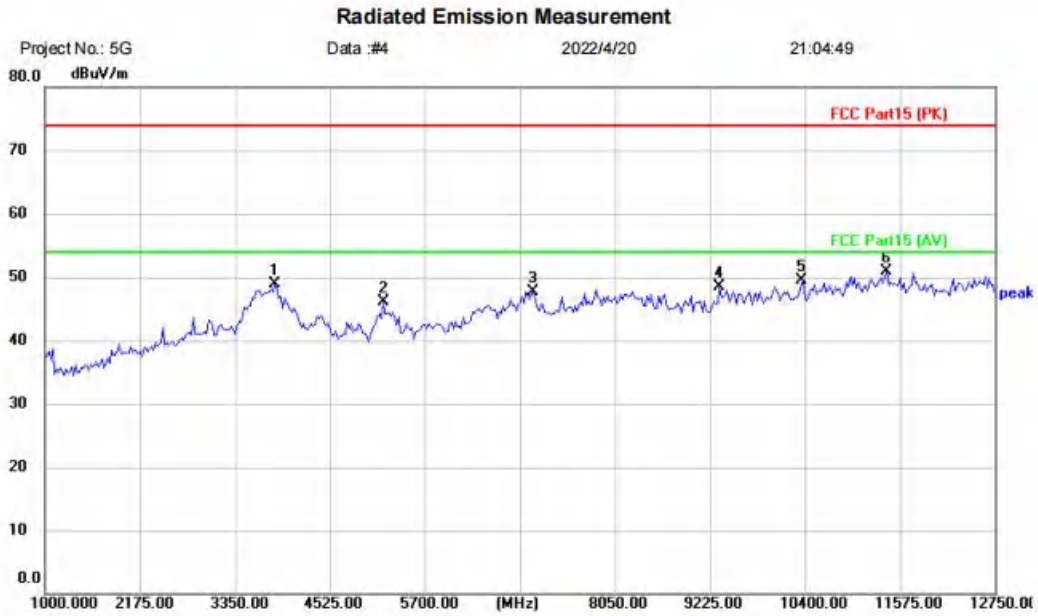
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		3655.500	42.05	7.20	49.25	74.00	-24.75	peak	
2		5159.500	41.15	4.58	45.73	74.00	-28.27	peak	
3		6969.000	39.41	7.93	47.34	74.00	-26.66	peak	
4		8261.500	39.62	8.23	47.85	74.00	-26.15	peak	
5		10360.000	37.43	11.09	48.52	74.00	-25.48	peak	
6	*	12327.000	39.42	11.62	51.04	74.00	-22.96	peak	

*:Maximum data x:Over limit l:over margin

(Reference Only)

Test Result: Pass

[TestMode: TX a 5180 channel]; [Polarity: Horizontal]



Site	Polarization: Horizontal	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Wifi/bt Module		
M/N: L297B-SR		
Mode: 5.1G-A-TX-L		
Note:		

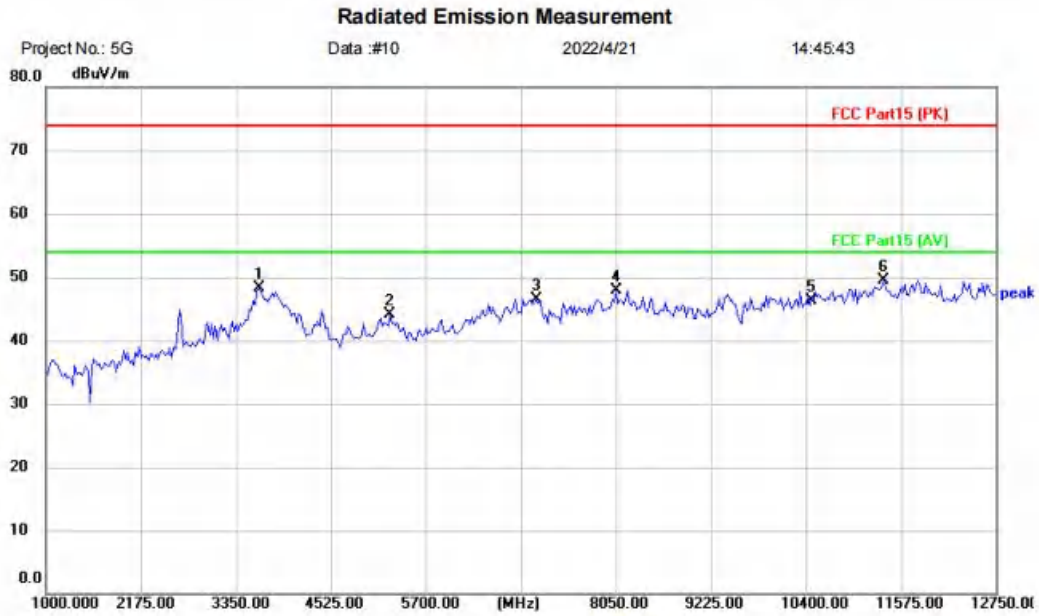
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		3843.500	42.20	6.73	48.93	74.00	-25.07	peak	
2		5183.000	40.98	5.10	46.08	74.00	-27.92	peak	
3		7039.500	42.32	5.32	47.64	74.00	-26.36	peak	
4		9342.500	39.81	8.74	48.55	74.00	-25.45	peak	
5		10360.000	38.36	11.09	49.45	74.00	-24.55	peak	
6	*	11410.500	39.21	11.78	50.99	74.00	-23.01	peak	

*:Maximum data x:Over limit l:over margin

(Reference Only)

Test Result: Pass

[TestMode: TX N40 5240 channel]; [Polarity: Vertical]



Site	Polarization: Vertical	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Wifi/bt Module		
M/N: L297B-SR		
Mode: 5.1G-A-TX-H		
Note:		

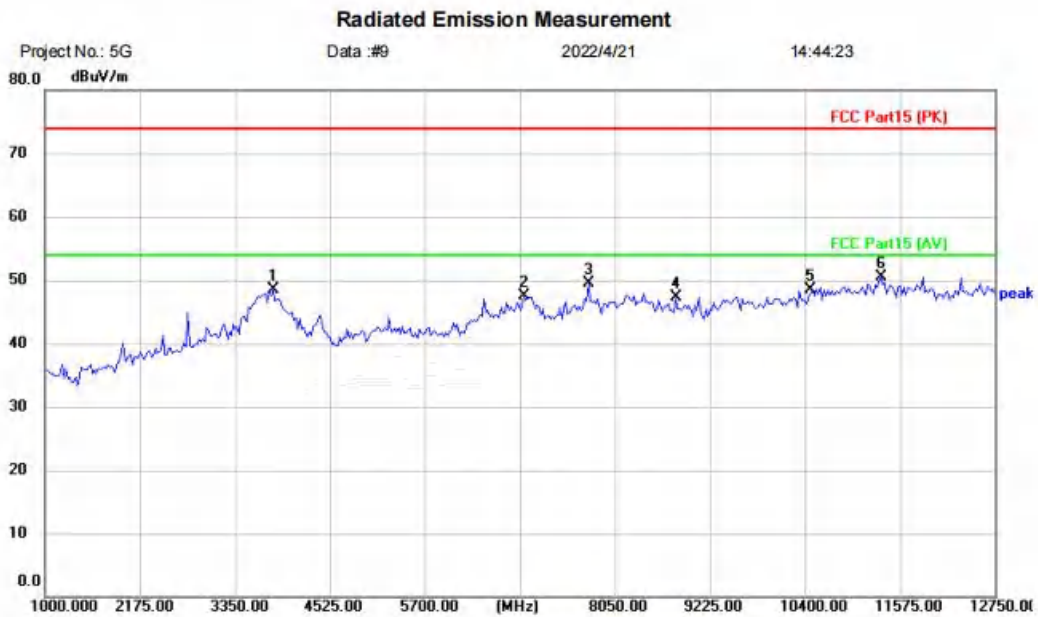
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		3632.000	41.10	7.22	48.32	74.00	-25.68	peak	
2		5253.500	37.37	6.75	44.12	74.00	-29.88	peak	
3		7063.000	41.18	5.41	46.59	74.00	-27.41	peak	
4		8050.000	39.85	8.01	47.86	74.00	-26.14	peak	
5		10480.000	35.17	11.18	46.35	74.00	-27.65	peak	
6	*	11363.500	37.60	11.81	49.41	74.00	-24.59	peak	

*:Maximum data x:Over limit l:over margin

(Reference Only)

Test Result: Pass

[TestMode: TX a 5240 channel]; [Polarity: Horizontal]



Site	Polarization: Horizontal	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Wifi/bt Module		
M/N: L297B-SR		
Mode: 5.1G-A-TX-H		
Note:		

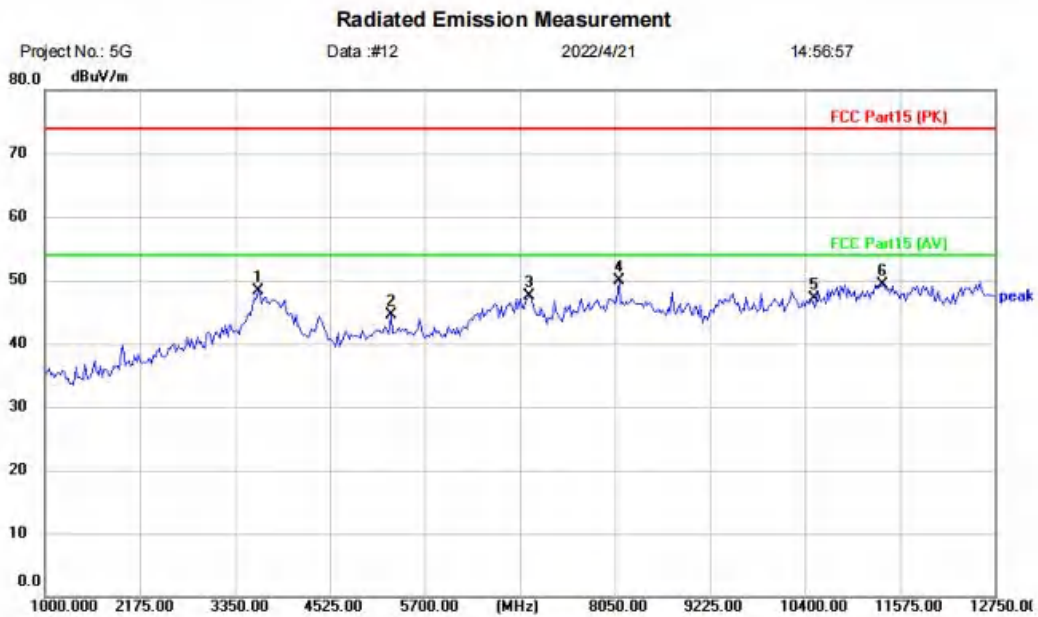
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		3820.000	41.58	7.02	48.60	74.00	-25.40	peak	
2		6922.000	39.72	7.76	47.48	74.00	-26.52	peak	
3		7721.000	42.02	7.49	49.51	74.00	-24.49	peak	
4		8802.000	39.67	7.72	47.39	74.00	-26.61	peak	
5		10480.000	37.36	11.18	48.54	74.00	-25.46	peak	
6	*	11340.000	38.68	11.85	50.53	74.00	-23.47	peak	

*:Maximum data x:Over limit l:over margin

(Reference Only)

Test Result: Pass

[TestMode: TX a 5260 channel]; [Polarity: Horizontal]



Site: Polarization: **Horizontal** Temperature: (C)
 Limit: FCC Part15 (PK) Power: Humidity: %RH
 EUT: Wifi/bt Module
 M/N: L297B-SR
 Mode: 5.2G-A-TX-L
 Note:

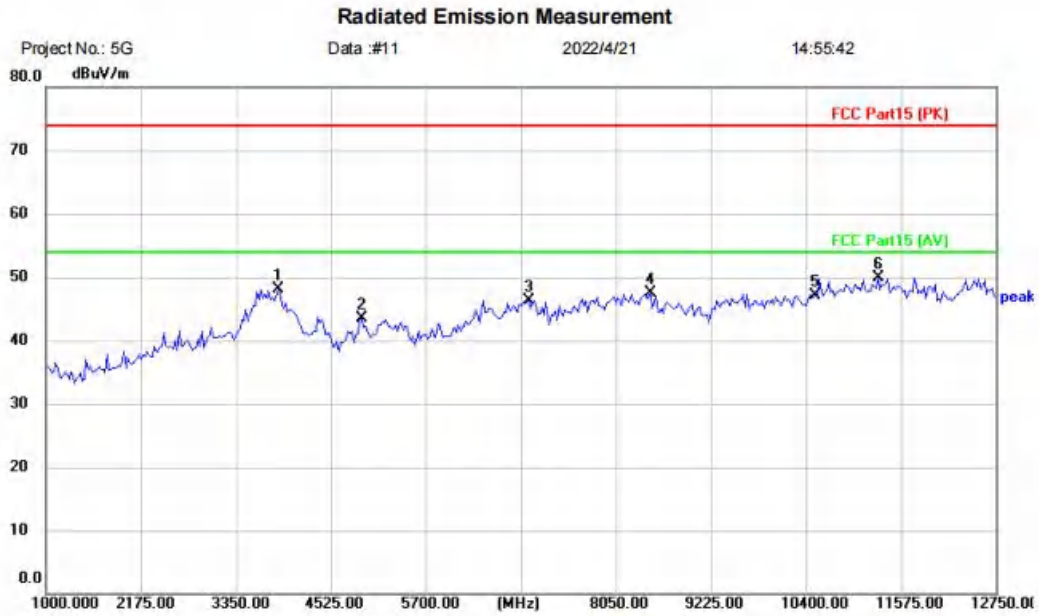
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		3632.000	41.00	7.22	48.22	74.00	-25.78	peak	
2		5277.000	38.17	6.31	44.48	74.00	-29.52	peak	
3		6992.500	39.47	8.02	47.49	74.00	-26.51	peak	
4	*	8097.000	41.83	8.07	49.90	74.00	-24.10	peak	
5		10520.000	36.01	11.17	47.18	74.00	-26.82	peak	
6		11363.500	37.40	11.81	49.21	74.00	-24.79	peak	

*:Maximum data x:Over limit l:over margin

(Reference Only)

Test Result: Pass

[TestMode: TX a 5260 channel]; [Polarity: Vertical]



Site	Polarization: Vertical	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Wifi/bt Module		
M/N: L297B-SR		
Mode: 5.2G-A-TX-L		
Note:		

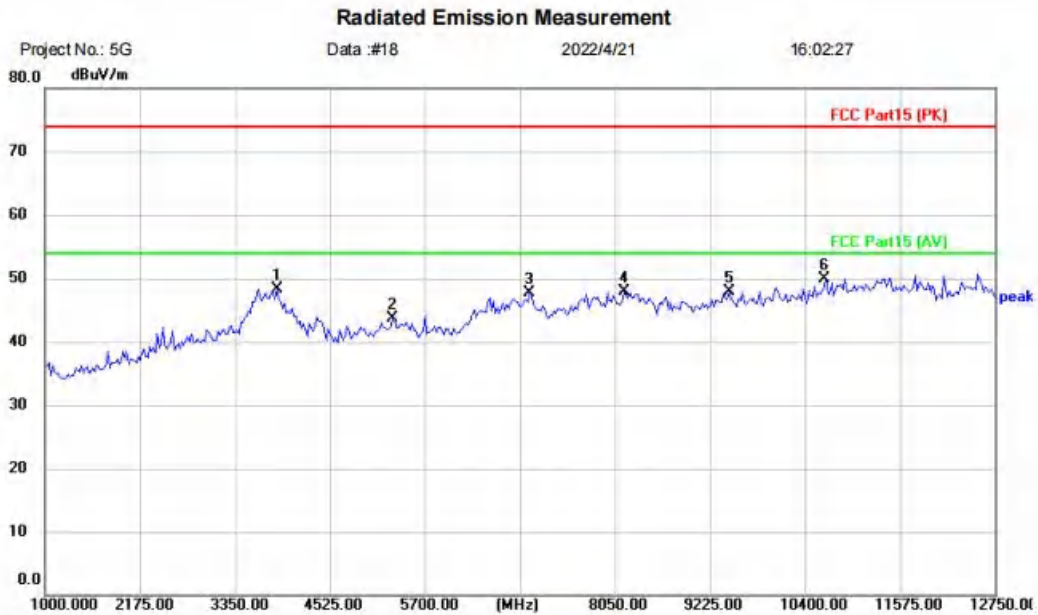
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		3867.000	41.65	6.43	48.08	74.00	-25.92	peak	
2		4901.000	40.59	2.94	43.53	74.00	-30.47	peak	
3		6969.000	38.40	7.93	46.33	74.00	-27.67	peak	
4		8473.000	39.41	8.17	47.58	74.00	-26.42	peak	
5		10520.000	35.97	11.17	47.14	74.00	-26.86	peak	
6	*	11293.000	38.05	11.91	49.96	74.00	-24.04	peak	

*:Maximum data x:Over limit l:over margin

(Reference Only)

Test Result: Pass

[TestMode: TX a 5320 channel]; [Polarity: Horizontal]



Site: Polarization: **Horizontal** Temperature: (C)
 Limit: FCC Part15 (PK) Power: Humidity: %RH
 EUT: Wifi/bt Module
 M/N: L297B-SR
 Mode: 5.2G-A-TX-H
 Note:

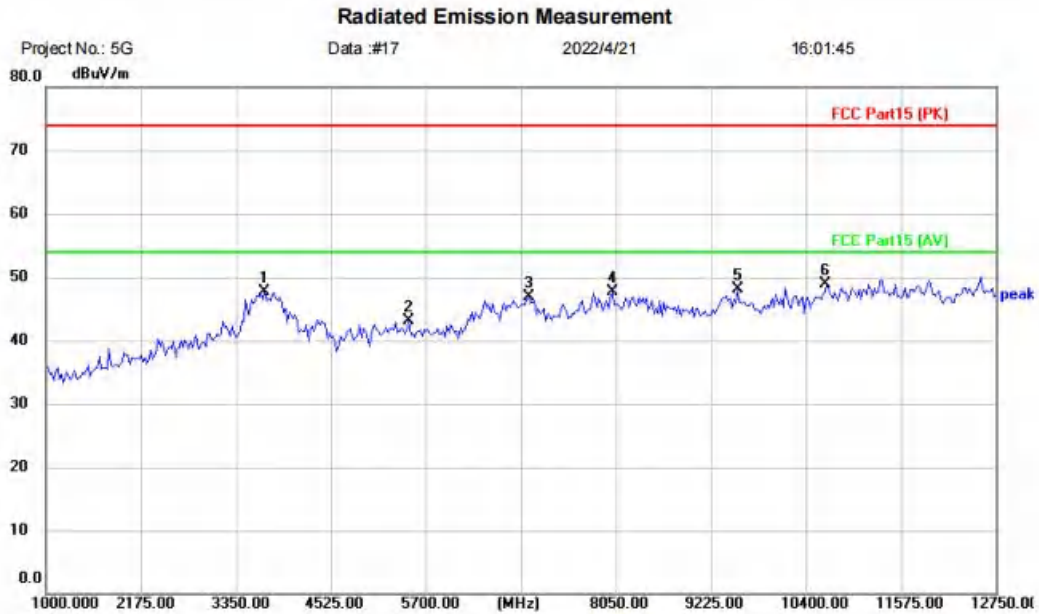
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		3867.000	41.86	6.47	48.33	74.00	-25.67	peak	
2		5300.500	38.22	5.56	43.78	74.00	-30.22	peak	
3		6992.500	39.68	7.94	47.62	74.00	-26.38	peak	
4		8167.500	39.76	8.17	47.93	74.00	-26.07	peak	
5		9460.000	38.96	8.96	47.92	74.00	-26.08	peak	
6	*	10640.000	38.55	11.26	49.81	74.00	-24.19	peak	

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

(Reference Only)

Test Result: Pass

[TestMode: TX a 5320 channel]; [Polarity: Vertical]



Site	Polarization: Vertical	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Wifi/bt Module		
M/N: L297B-SR		
Mode: 5.2G-A-TX-H		
Note:		

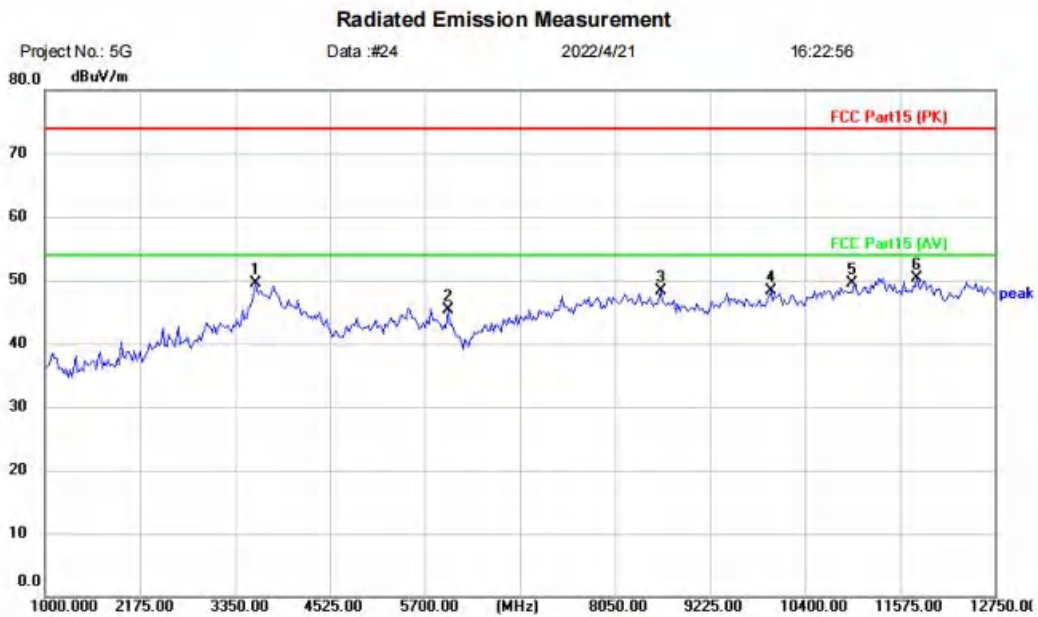
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		3702.500	40.51	7.29	47.80	74.00	-26.20	peak	
2		5488.500	39.88	3.21	43.09	74.00	-30.91	peak	
3		6969.000	38.92	7.93	46.85	74.00	-27.15	peak	
4		8003.000	39.72	7.94	47.66	74.00	-26.34	peak	
5		9554.000	38.89	9.17	48.06	74.00	-25.94	peak	
6	*	10640.000	37.68	11.26	48.94	74.00	-25.06	peak	

*:Maximum data x:Over limit l:over margin

(Reference Only)

Test Result: Pass

[TestMode: TX a 5500 channel]; [Polarity: Vertical]



Site	Polarization: Vertical	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Wifi/bt Module		
M/N: L297B-SR		
Mode: 5.3G-A-TX-L		
Note:		

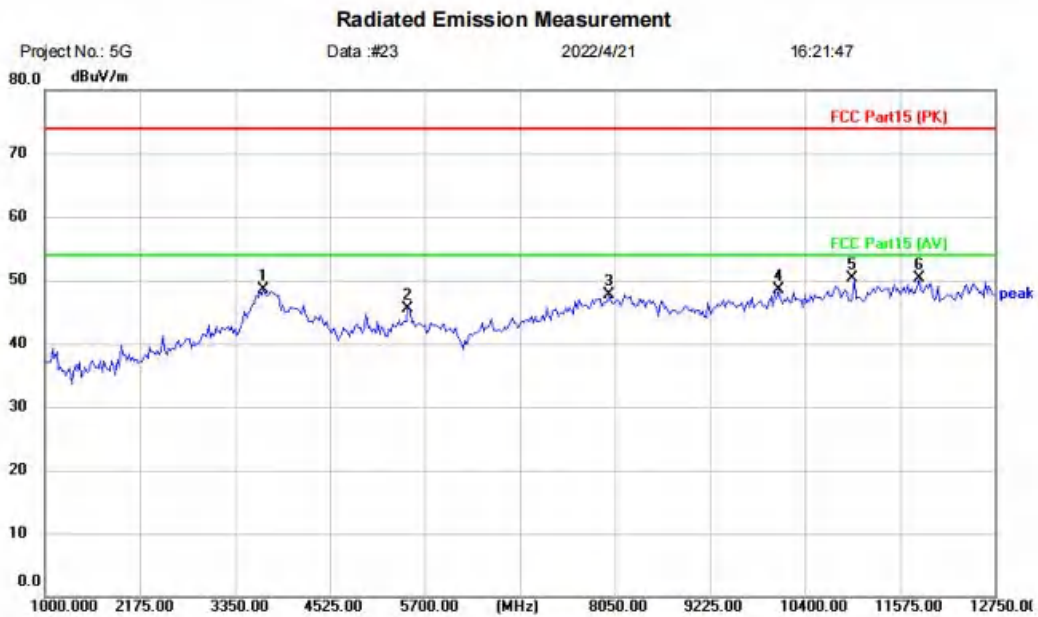
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		3608.500	41.61	7.80	49.41	74.00	-24.59	peak	
2		5982.000	41.20	4.08	45.28	74.00	-28.72	peak	
3		8614.000	40.34	7.97	48.31	74.00	-25.69	peak	
4		9977.000	37.92	10.37	48.29	74.00	-25.71	peak	
5		11000.000	37.43	11.99	49.42	74.00	-24.58	peak	
6	*	11786.500	38.83	11.57	50.40	74.00	-23.60	peak	

*:Maximum data x:Over limit l:over margin

(Reference Only)

Test Result: Pass

[TestMode: TX a 5500 channel]; [Polarity: Horizontal]



Site	Polarization: Horizontal	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Wifi/bt Module		
M/N: L297B-SR		
Mode: 5.3G-A-TX-L		
Note:		

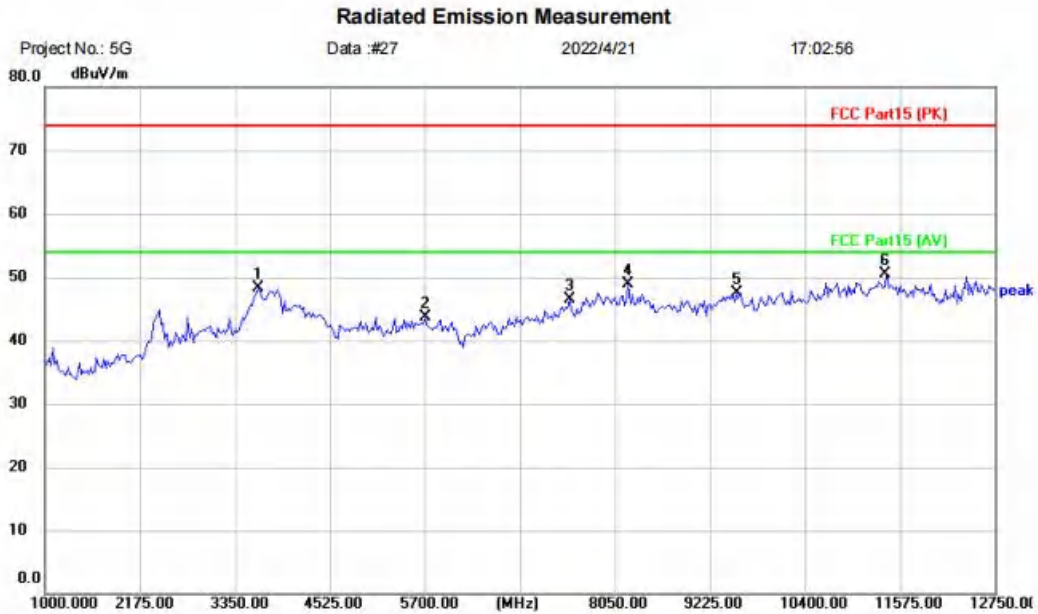
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		3702.500	40.75	7.72	48.47	74.00	-25.53	peak	
2		5488.500	41.26	4.22	45.48	74.00	-28.52	peak	
3		7979.500	39.78	7.92	47.70	74.00	-26.30	peak	
4		10071.000	37.93	10.50	48.43	74.00	-25.57	peak	
5		11000.000	38.23	11.99	50.22	74.00	-23.78	peak	
6	*	11810.000	38.72	11.53	50.25	74.00	-23.75	peak	

*:Maximum data x:Over limit l:over margin

(Reference Only)

Test Result: Pass

[TestMode: TX a 5700 channel]; [Polarity: Horizontal]



Site	Polarization: Horizontal	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Wifi/bt Module		
M/N: L297B-SR		
Mode: 5.3G-A-TX-H		
Note:		

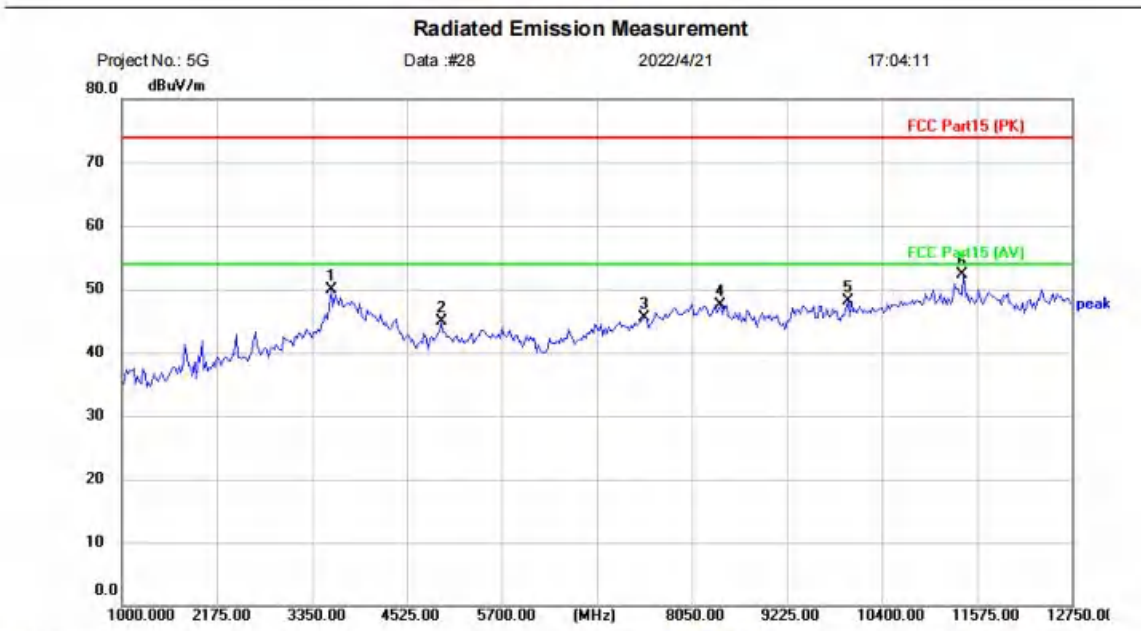
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		3632.000	40.51	7.77	48.28	74.00	-25.72	peak	
2		5700.000	39.74	3.97	43.71	74.00	-30.29	peak	
3		7486.000	39.52	7.00	46.52	74.00	-27.48	peak	
4		8214.500	40.63	8.21	48.84	74.00	-25.16	peak	
5		9554.000	38.42	9.17	47.59	74.00	-26.41	peak	
6	*	11400.000	38.71	11.76	50.47	74.00	-23.53	peak	

*:Maximum data x:Over limit l:over margin

(Reference Only)

Test Result: Pass

[TestMode: TX a 5700 channel]; [Polarity: Vertical]



Site	Polarization: Vertical	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Wifi/bt Module		
M/N: L297B-SR		
Mode: 5.3G-A-TX-H		
Note:		

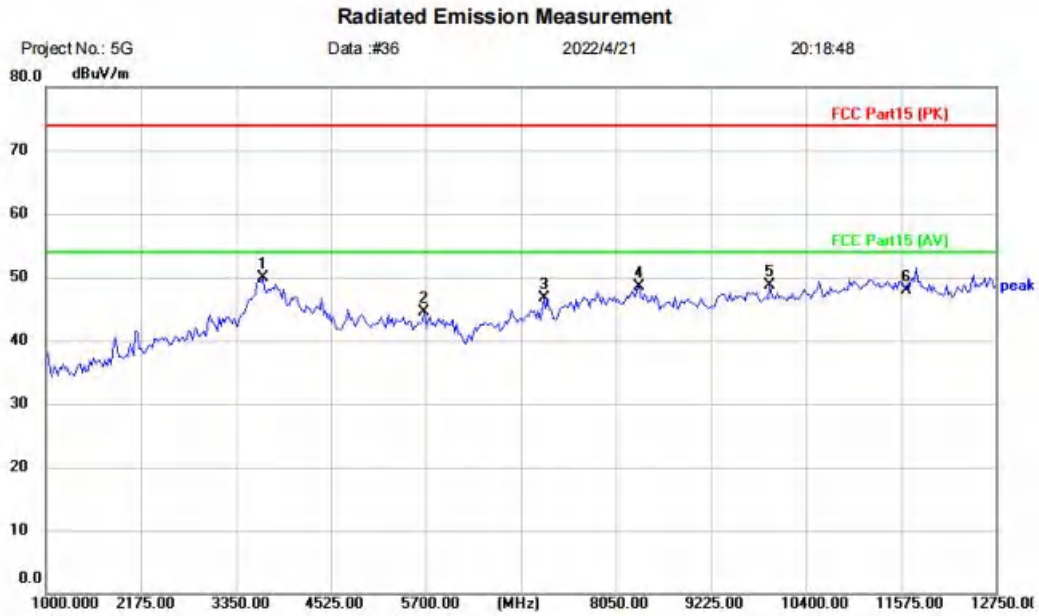
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		3585.000	42.57	7.29	49.86	74.00	-24.14	peak	
2		4948.000	41.32	3.65	44.97	74.00	-29.03	peak	
3		7462.500	38.65	6.93	45.58	74.00	-28.42	peak	
4		8402.500	39.29	8.28	47.57	74.00	-26.43	peak	
5		9977.000	37.81	10.37	48.18	74.00	-25.82	peak	
6	*	11400.000	40.51	11.76	52.27	74.00	-21.73	peak	

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

(Reference Only)

Test Result: Pass

[TestMode: TX a 5825 channel]; [Polarity: Vertical]



Site	Polarization: Vertical	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Wifi/bt Module		
M/N: L297B-SR		
Mode: 5.4G-A-TX-H		
Note:		

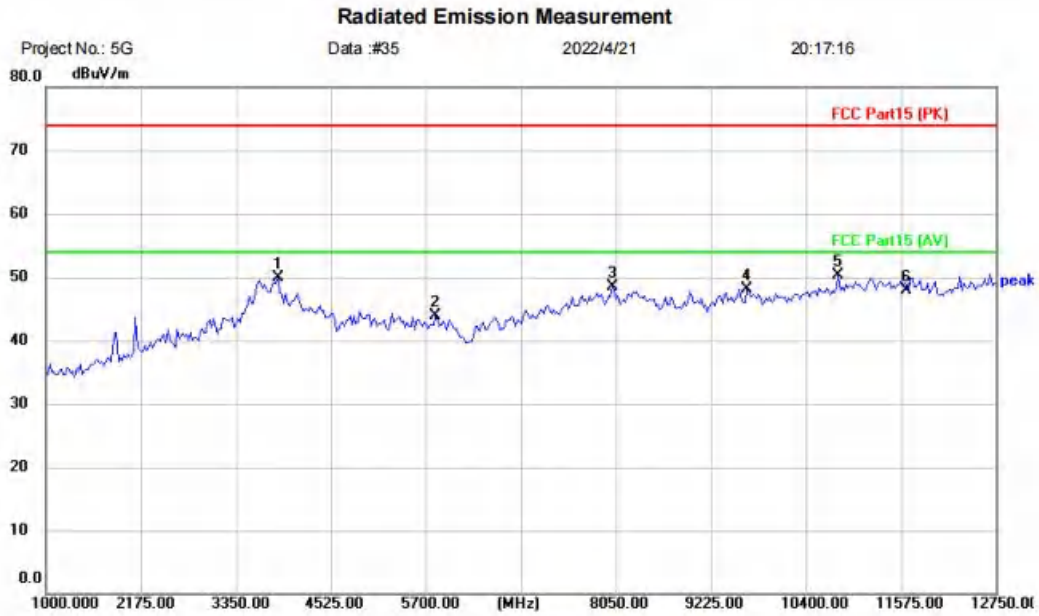
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	3679.000	42.19	7.73	49.92	74.00	-24.08	peak	
2		5676.500	40.59	3.96	44.55	74.00	-29.45	peak	
3		7157.000	40.86	5.76	46.62	74.00	-27.38	peak	
4		8332.000	40.34	8.26	48.60	74.00	-25.40	peak	
5		9953.500	38.36	10.29	48.65	74.00	-25.35	peak	
6		11650.000	36.02	11.93	47.95	74.00	-26.05	peak	

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

(Reference Only)

Test Result: Pass

[TestMode: TX a 5825 channel]; [Polarity: Horizontal]



Site	Polarization: Horizontal	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Wifi/bt Module		
M/N: L297B-SR		
Mode: 5.4G-A-TX-H		
Note:		

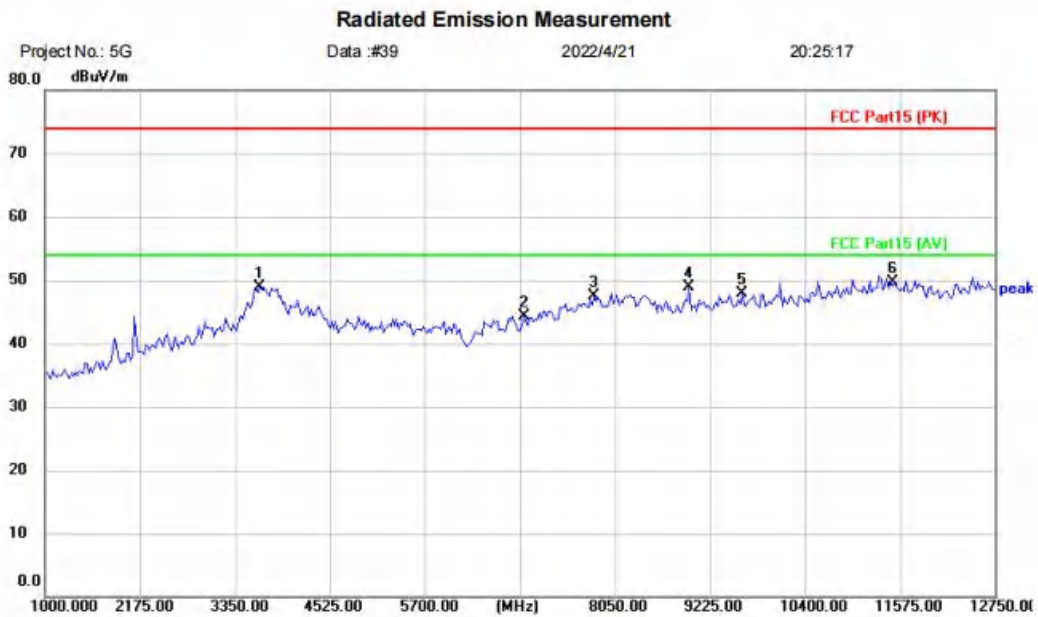
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		3867.000	43.09	6.82	49.91	74.00	-24.09	peak	
2		5817.500	39.98	3.88	43.86	74.00	-30.14	peak	
3		8003.000	40.50	7.94	48.44	74.00	-25.56	peak	
4		9671.500	38.76	9.42	48.18	74.00	-25.82	peak	
5	*	10799.500	38.62	11.78	50.40	74.00	-23.60	peak	
6		11650.000	35.97	11.93	47.90	74.00	-26.10	peak	

*:Maximum data x:Over limit l:over margin

(Reference Only)

Test Result: Pass

[TestMode: TX a 5745 channel]; [Polarity: Horizontal]



Site: Polarization: **Horizontal** Temperature: (C)
 Limit: FCC Part15 (PK) Power: Humidity: %RH
 EUT: Wifi/bt Module
 M/N: L297B-SR
 Mode: 5.4G-A-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		3655.500	41.18	7.76	48.94	74.00	-25.06	peak	
2		6922.000	39.24	5.10	44.34	74.00	-29.66	peak	
3		7791.500	39.75	7.68	47.43	74.00	-26.57	peak	
4		8966.500	40.77	8.04	48.81	74.00	-25.19	peak	
5		9624.500	38.65	9.33	47.98	74.00	-26.02	peak	
6	*	11490.000	37.75	11.89	49.64	74.00	-24.36	peak	

*:Maximum data x:Over limit l:over margin

(Reference Only)

Test Result: Pass