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

Radiated Emission Measurement

Project No.: WIFI   Data :#50   2023/7/5   11:15:42

Site
Limit: FCC Part15 (PK)
EUT: WIFI&BT Module
M/N: AW65S1-50B1
Mode: 5Gwifi-band4-A-TX-L
Note:

Polarization: **Vertical**
Power:

Temperature: (C)
Humidity: %RH

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5350.000	42.62	3.58	46.20	74.00	-27.80	peak	
2		5460.000	44.14	3.84	47.98	74.00	-26.02	peak	
3	*	5725.000	44.88	4.29	49.17	74.00	-24.83	peak	
4		5850.000	43.82	4.46	48.28	74.00	-25.72	peak	

*:Maximum data   x:Over limit   !:over margin   〈Reference Only

Receiver: ESPI_1
Antenna: EZ 9120D 1G-18G new

Spectrum Analyzer: FSP40
Engineer Signature:

Test Result: Pass

![BLUE ASIA 蓝亚]

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

Radiated Emission Measurement

Project No.: WIFI   Data :#49   2023/7/5   11:06:40

Site	Polarization: *Horizontal* Temperature: (C)
Limit: FCC Part15 (PK)	Power: Humidity: %RH
EUT: WIFI&BT Module	
M/N: AW65S1-50B1	
Mode: 5Gwifi-band4-A-TX-L	
Note:	

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		5350.000	48.12	3.58	51.70	74.00	-22.30	peak	
2		5460.000	43.96	3.84	47.80	74.00	-26.20	peak	
3		5725.000	50.52	4.29	54.81	74.00	-19.19	peak	
4	*	5725.000	32.81	4.29	37.10	54.00	-16.90	AVG	
5		5850.000	42.74	4.46	47.20	74.00	-26.80	peak	

*:Maximum data   x:Over limit   !:over margin   〈Reference Only

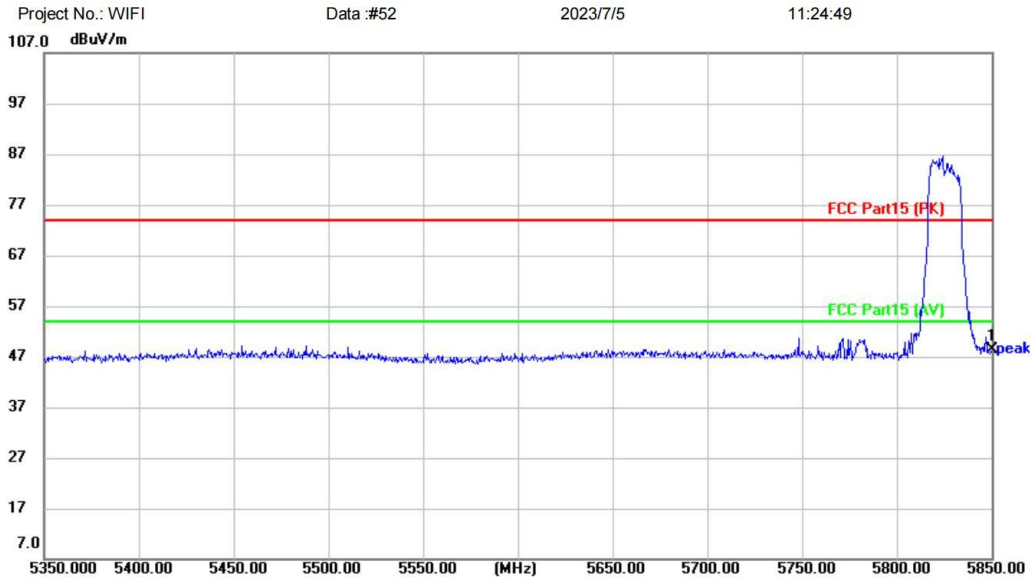Receiver: ESPI_1   Spectrum Analyzer: FSP40

Antenna: EZ 9120D 1G-18G new   Engineer Signature:

Test Result: Pass

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

Radiated Emission Measurement

Project No.: WIFI   Data :#52   2023/7/5   11:24:49

Site	Polarization:	*Vertical*	Temperature:	(C)
Limit: FCC Part15 (PK)	Power:		Humidity:	%RH

EUT: WIFI&BT Module

M/N: AW65S1-50B1

Mode: 5Gwifi-band4-A-TX-H

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	*	5850.000	44.01	4.46	48.47	74.00	-25.53	peak		

*:Maximum data   x:Over limit   !:over margin   〈Reference Only

Receiver: ESPI_1   Spectrum Analyzer: FSP40

Antenna: EZ 9120D 1G-18G new   Engineer Signature:

Test Result: Pass

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

Radiated Emission Measurement

Project No.: WIFI   Data :#51   2023/7/5   11:20:01

Site
Limit: FCC Part15 (PK)
EUT: WIFI&BT Module
M/N: AW65S1-50B1
Mode: 5Gwifi-band4-A-TX-H
Note:

Polarization: *Horizontal*   Temperature: (C)
Power: Humidity: %RH

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	5850.000	50.21	4.46	54.67	74.00	-19.33	peak	

*:Maximum data   x:Over limit   !:over margin   〈Reference Only

Receiver: ESPI_1   Spectrum Analyzer: FSP40
Antenna: EZ 9120D 1G-18G new   Engineer Signature:

Test Result: Pass

Remark:

1. Final Level =Receiver Read level + Correct factor

2. Correct factor = Antenna Factor + Cable Loss – Preamplifier Factor

3. The emission levels of other frequencies are very lower than the limit and not show in test report.

12 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℃
Humidity	60%

12.1 BLOCK DIAGRAM OF TEST SETUP
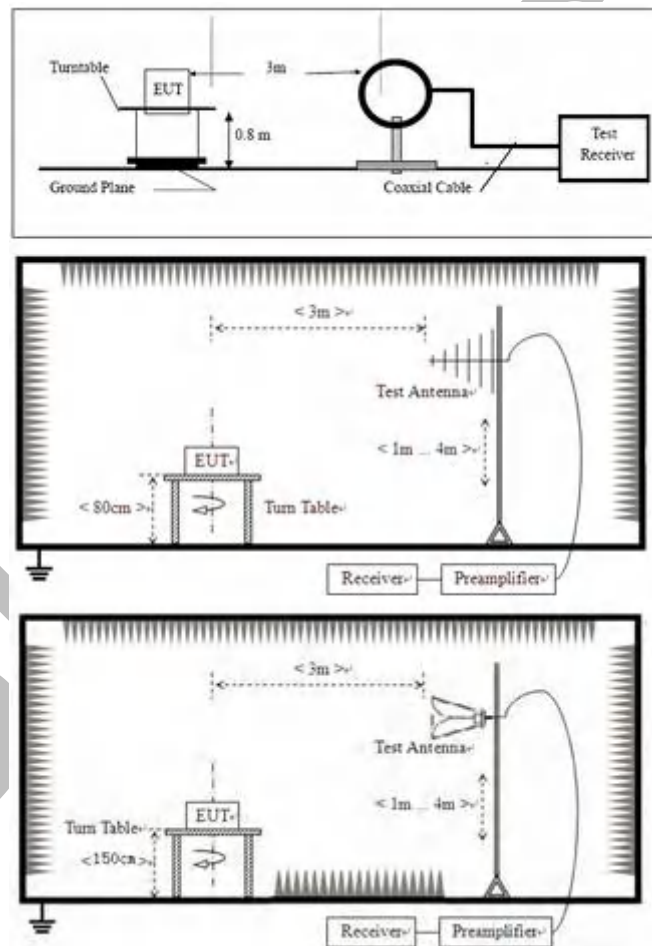
12.2 PROCEDURE

a. 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.

b. 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
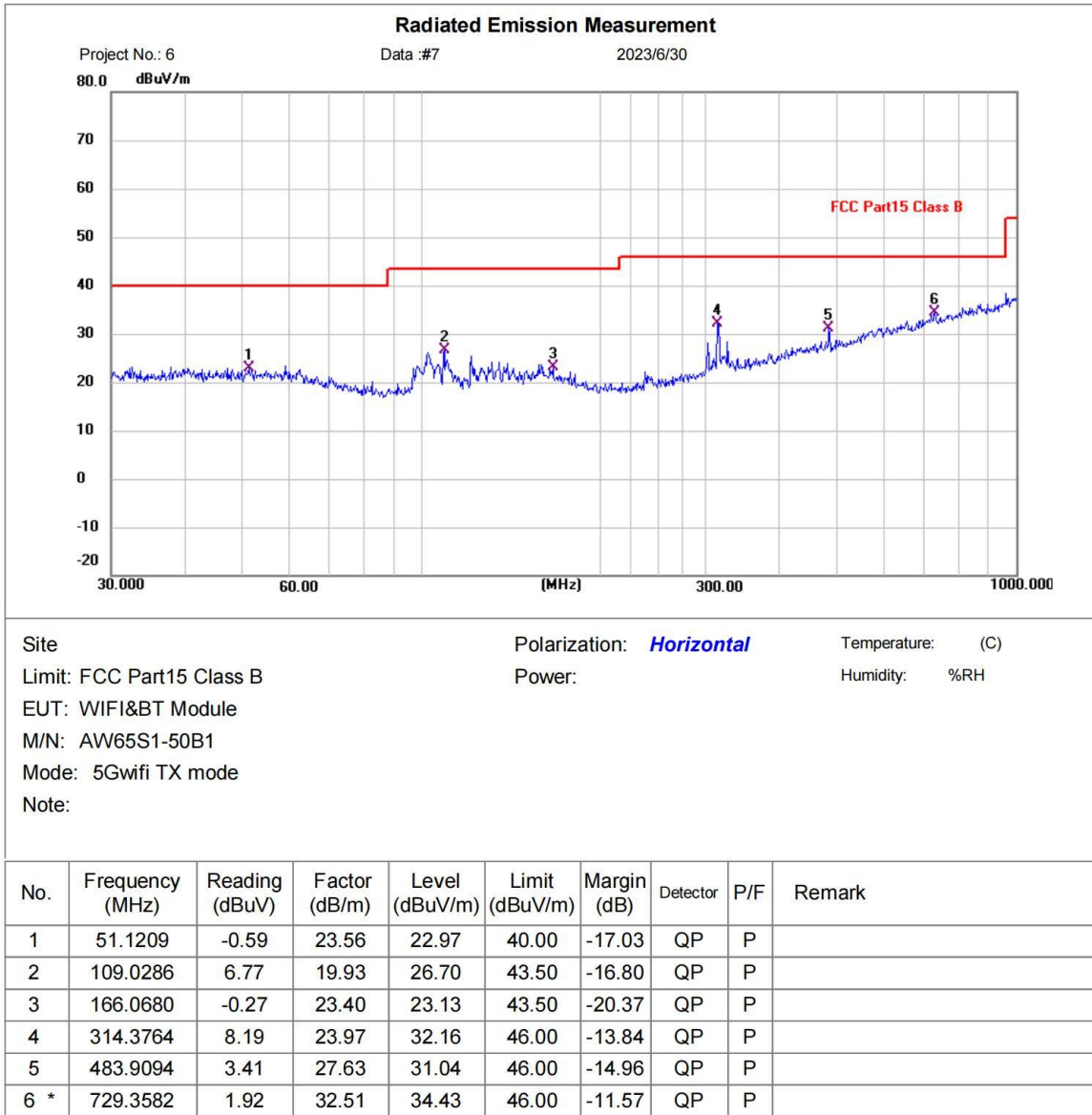
radiation.

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.

12.3 TEST DATA

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

Site

Limit: FCC Part15 Class B

EUT: WIFI&BT Module

M/N: AW65S1-50B1

Mode: 5Gwifi TX mode

Note:

Polarization: *Horizontal*

Power:

Temperature: (C)

Humidity: %RH

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	51.1209	-0.59	23.56	22.97	40.00	-17.03	QP	P	
2	109.0286	6.77	19.93	26.70	43.50	-16.80	QP	P	
3	166.0680	-0.27	23.40	23.13	43.50	-20.37	QP	P	
4	314.3764	8.19	23.97	32.16	46.00	-13.84	QP	P	
5	483.9094	3.41	27.63	31.04	46.00	-14.96	QP	P	
6 *	729.3582	1.92	32.51	34.43	46.00	-11.57	QP	P	

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

Test Result: Pass

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

Site

Limit: FCC Part15 Class B

EUT: WIFI&BT Module

M/N: AW65S1-50B1

Mode: 5Gwifi TX mode

Note:

Polarization: **Vertical**

Power:

Temperature: (C)

Humidity: %RH

| No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	41.4215	2.15	23.50	25.65	40.00	-14.35	QP	P	
2	67.4382	2.90	21.38	24.28	40.00	-15.72	QP	P	
3 *	126.3285	9.21	21.73	30.94	43.50	-12.56	QP	P	
4	207.8501	1.83	19.93	21.76	43.50	-21.74	QP	P	
5	314.3764	2.71	23.97	26.68	46.00	-19.32	QP	P	
6	584.7894	1.41	30.50	31.91	46.00	-14.09	QP	P	

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

Test Result: Pass

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

[TestMode: TX band1 a 5180 channel]; [Polarity: Vertical]
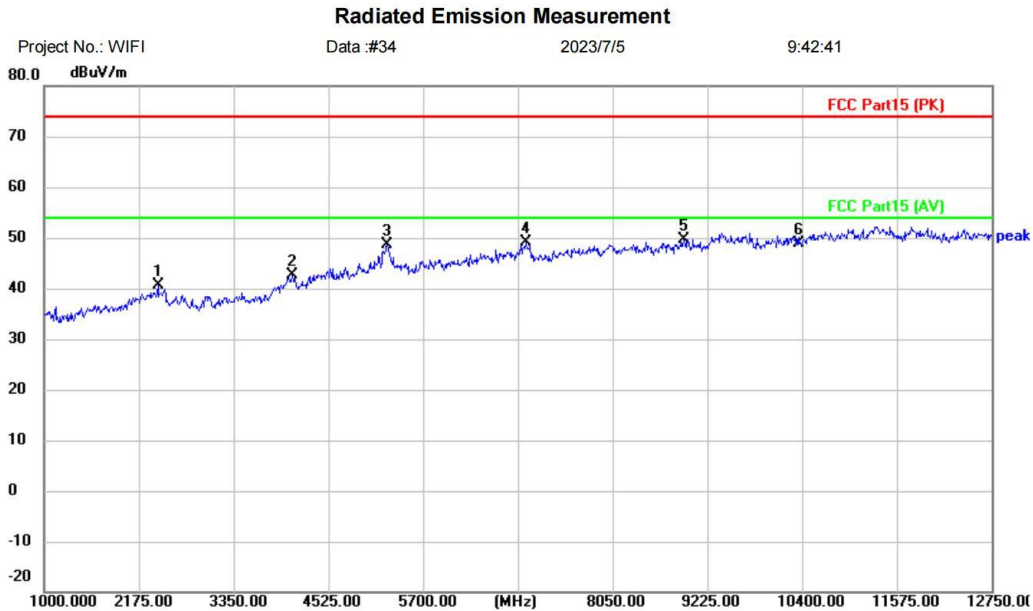
Site
Limit: FCC Part15 (PK)
EUT: WIFI&BT Module
M/N: AW65S1-50B1
Mode: 5Gwifi-band1-A-TX-L
Note:

Polarization: **Vertical**
Power:

Temperature: (C)
Humidity: %RH

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2410.000	43.99	-3.37	40.62	74.00	-33.38	peak	
2		4078.500	41.55	1.06	42.61	74.00	-31.39	peak	
3		5253.500	39.61	8.92	48.53	74.00	-25.47	peak	
4		6969.000	40.03	9.05	49.08	74.00	-24.92	peak	
5	*	8931.250	39.25	10.44	49.69	74.00	-24.31	peak	
6		10360.00	35.84	12.96	48.80	74.00	-25.20	peak	

*:Maximum data   x:Over limit   !:over margin   〈Reference Only

Receiver: ESPI_1
Antenna: EZ 9120D 1G-18G new

Spectrum Analyzer: FSP40
Engineer Signature:

Test Result: Pass

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[TestMode: TX band1 a 5180 channel]; [Polarity: Horizontal]

Radiated Emission Measurement

Project No.: WIFI   Data :#33   2023/7/5   9:41:27
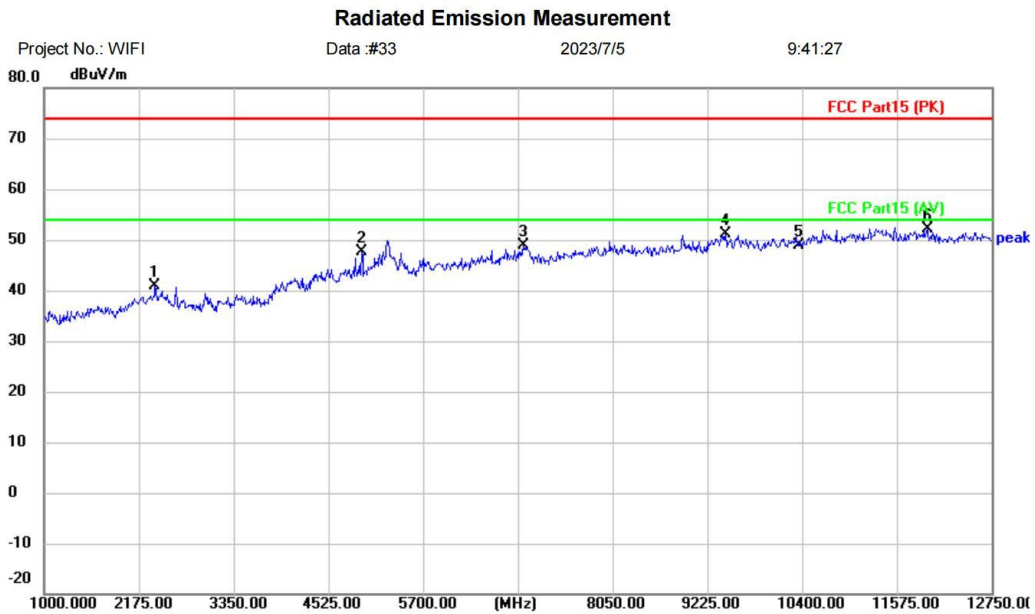
Site

Limit: FCC Part15 (PK)

EUT: WIFI&BT Module

M/N: AW65S1-50B1

Mode: 5Gwifi-band1-A-TX-L

Note:

| Polarization: | *Horizontal* | Temperature: | (C) |
| Power: | | Humidity: | %RH |

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		2374.750	44.16	-3.38	40.78	74.00	-33.22	peak	
2		4936.250	43.09	4.43	47.52	74.00	-26.48	peak	
3		6945.500	39.76	9.02	48.78	74.00	-25.22	peak	
4		9448.250	39.82	11.36	51.18	74.00	-22.82	peak	
5		10360.00	35.91	12.96	48.87	74.00	-25.13	peak	
6	*	11951.00	38.88	13.13	52.01	74.00	-21.99	peak	

*:Maximum data   x:Over limit   !:over margin   〈Reference Only

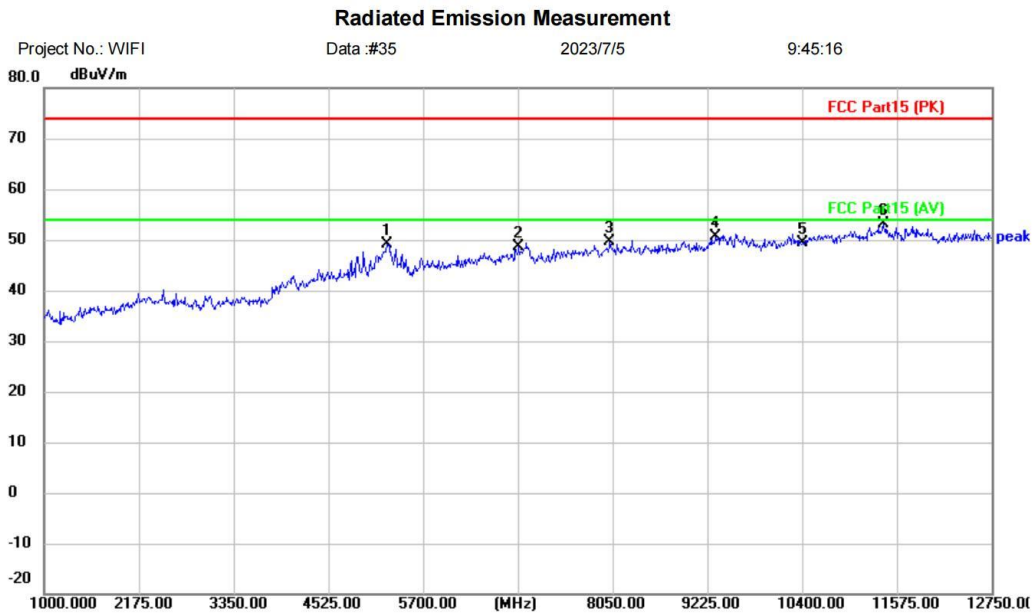Receiver: ESPI_1   Spectrum Analyzer: FSP40

Antenna: EZ 9120D 1G-18G new   Engineer Signature:

Test Result: Pass

[TestMode: TX band1 a 5200 channel]; [Polarity: Horizontal]

Radiated Emission Measurement

Project No.: WIFI　　　　　Data :#35　　　　　2023/7/5　　　　　9:45:16

| Site | | Polarization: | *Horizontal* | Temperature: | (C) |
| Limit: FCC Part15 (PK) | | Power: | | Humidity: | %RH |

EUT: WIFI&BT Module
M/N: AW65S1-50B1
Mode: 5Gwifi-band1-A-TX-M
Note:

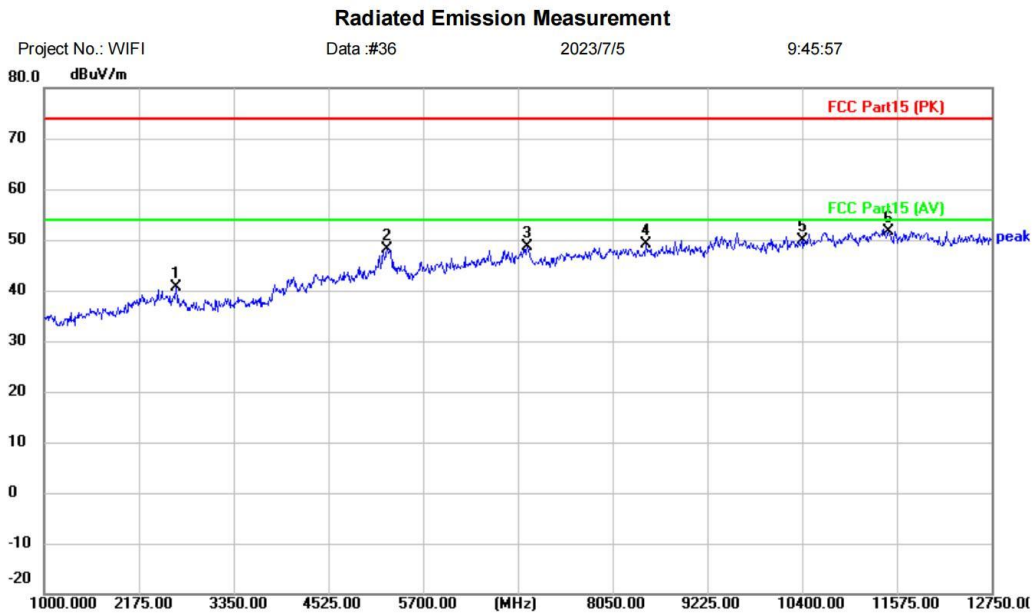| No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5253.500	40.18	8.92	49.10	74.00	-24.90	peak	
2		6886.750	40.15	8.37	48.52	74.00	-25.48	peak	
3		8014.750	40.97	8.69	49.66	74.00	-24.34	peak	
4		9330.750	39.14	11.39	50.53	74.00	-23.47	peak	
5		10400.00	36.31	13.01	49.32	74.00	-24.68	peak	
6	*	11410.50	39.60	13.42	53.02	74.00	-20.98	peak	

*:Maximum data　　x:Over limit　　!:over margin　　　　　　　　　　　　〈Reference Only

Receiver:　　ESPI_1　　　　　　　　Spectrum Analyzer:　　　FSP40

Antenna:　　EZ 9120D 1G-18G new　　　Engineer Signature:

Test Result: Pass

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[TestMode: TX band1 a 5200 channel]; [Polarity: Vertical]

Radiated Emission Measurement

Project No.: WIFI   Data :#36   2023/7/5   9:45:57

Site

Limit: FCC Part15 (PK)

EUT: WIFI&BT Module

M/N: AW65S1-50B1

Mode: 5Gwifi-band1-A-TX-M

Note:

Polarization: **Vertical**   Temperature: (C)

Power: Humidity: %RH

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2633.250	44.96	-4.22	40.74	74.00	-33.26	peak	
2		5253.500	39.30	8.92	48.22	74.00	-25.78	peak	
3		6992.500	39.51	9.04	48.55	74.00	-25.45	peak	
4		8461.250	39.84	9.25	49.09	74.00	-24.91	peak	
5		10400.00	36.84	13.01	49.85	74.00	-24.15	peak	
6	*	11469.25	38.10	13.49	51.59	74.00	-22.41	peak	

*:Maximum data   x:Over limit   !:over margin   〈Reference Only
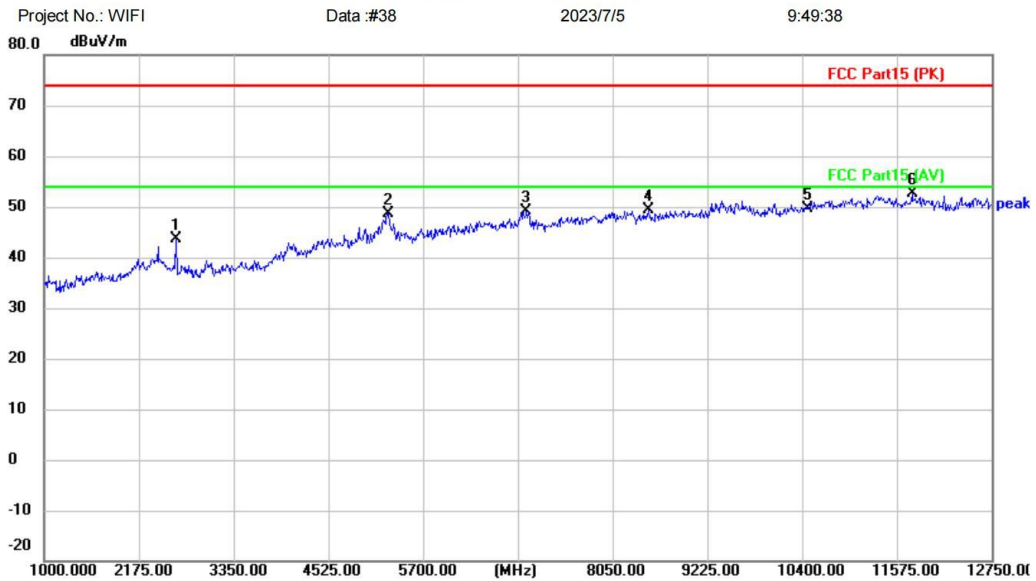
Receiver: ESPI_1   Spectrum Analyzer: FSP40

Antenna: EZ 9120D 1G-18G new   Engineer Signature:

Test Result: Pass

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

Radiated Emission Measurement

Project No.: WIFI   Data :#38   2023/7/5   9:49:38

Site

Limit: FCC Part15 (PK)

EUT: WIFI&BT Module

M/N: AW65S1-50B1

Mode: 5Gwifi-band1-A-TX-H

Note:

Polarization: **Vertical**   Temperature: (C)

Power: Humidity: %RH

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	
1		2633.250	47.81	-4.22	43.59	74.00	-30.41	peak	
2		5265.250	39.48	9.18	48.66	74.00	-25.34	peak	
3		6980.750	40.11	9.05	49.16	74.00	-24.84	peak	
4		8496.500	39.84	9.43	49.27	74.00	-24.73	peak	
5		10480.00	36.77	12.94	49.71	74.00	-24.29	peak	
6	*	11763.00	39.75	12.99	52.74	74.00	-21.26	peak	

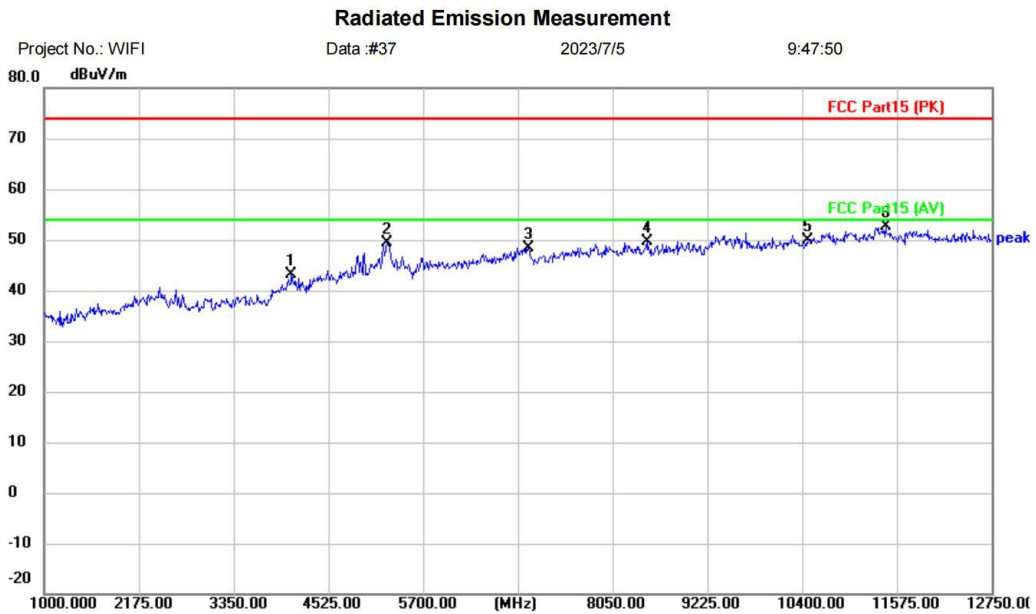*:Maximum data   x:Over limit   !:over margin   〈Reference Only

Receiver: ESPI_1   Spectrum Analyzer: FSP40

Antenna: EZ 9120D 1G-18G new   Engineer Signature:

Test Result: Pass

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

Radiated Emission Measurement

Project No.: WIFI   Data :#37   2023/7/5   9:47:50

Site		Polarization: *Horizontal*	Temperature: (C)
Limit: FCC Part15 (PK)		Power:	Humidity: %RH

EUT: WIFI&BT Module

M/N: AW65S1-50B1

Mode: 5Gwifi-band1-A-TX-H

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		4066.750	42.13	0.93	43.06	74.00	-30.94	peak	
2		5253.500	40.42	8.92	49.34	74.00	-24.66	peak	
3		7004.250	42.20	6.24	48.44	74.00	-25.56	peak	
4		8473.000	40.32	9.31	49.63	74.00	-24.37	peak	
5		10480.00	36.96	12.94	49.90	74.00	-24.10	peak	
6	*	11434.00	39.27	13.44	52.71	74.00	-21.29	peak	

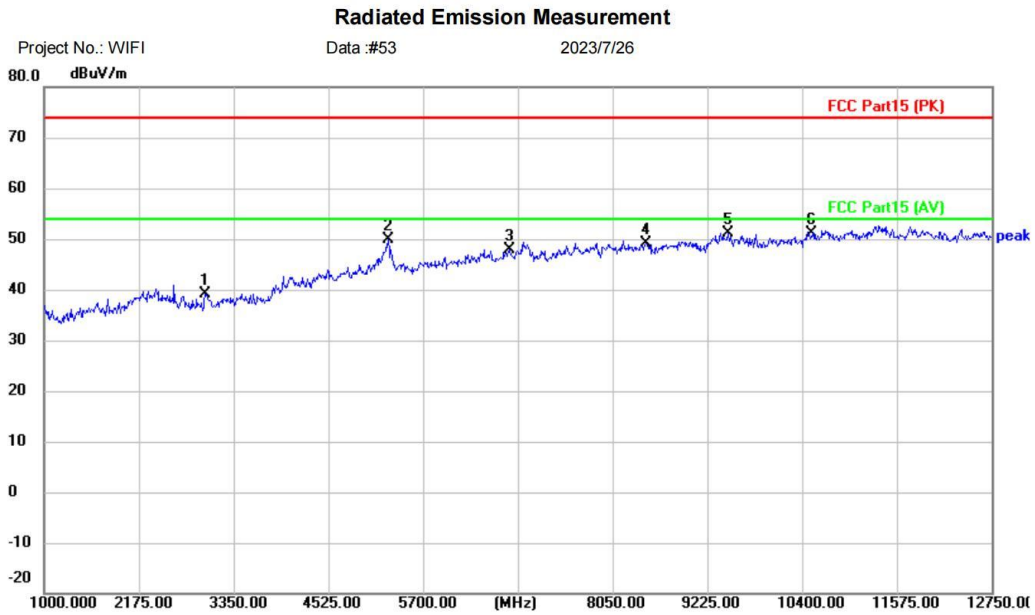*:Maximum data   x:Over limit   !:over margin   〈Reference Only

Receiver: ESPI_1   Spectrum Analyzer: FSP40

Antenna: EZ 9120D 1G-18G new   Engineer Signature:

Test Result: Pass

[TestMode: TX band2 a 5260 channel]; [Polarity: Horizontal]

Radiated Emission Measurement

Project No.: WIFI   Data :#53   2023/7/26

Site	Polarization:	**Horizontal**	Temperature: (C)
Limit: FCC Part15 (PK)	Power:		Humidity: %RH
EUT: WIFI&BT Module			
M/N: AW65S1-50B1			
Mode: 5Gwifi-band2-A-TX-L			
Note:			

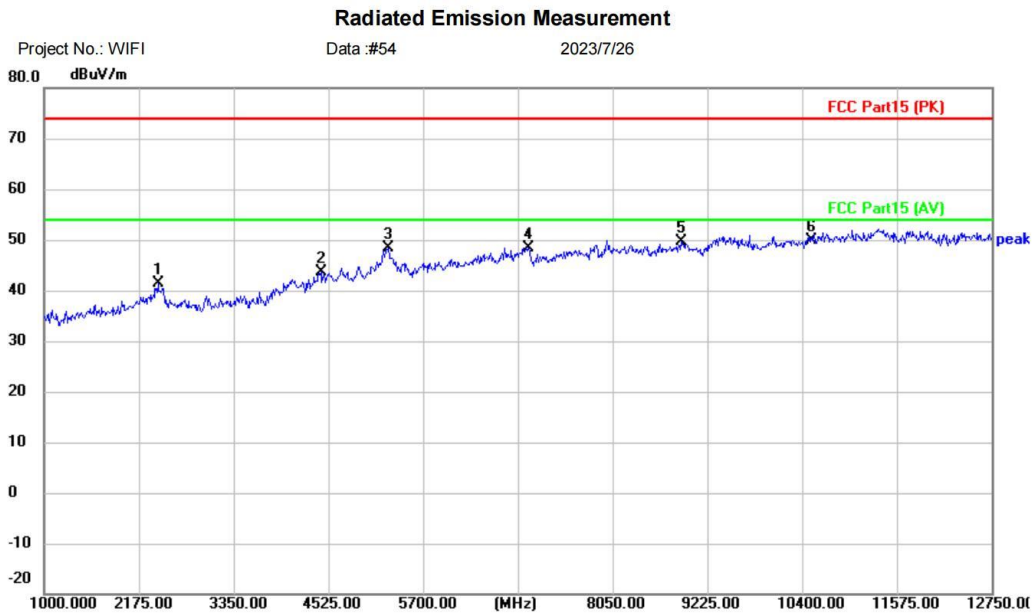| No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		2997.500	43.35	-4.14	39.21	74.00	-34.79	peak	
2		5265.250	40.69	9.18	49.87	74.00	-24.13	peak	
3		6769.250	39.86	7.98	47.84	74.00	-26.16	peak	
4		8461.250	39.78	9.25	49.03	74.00	-24.97	peak	
5		9483.500	39.80	11.31	51.11	74.00	-22.89	peak	
6	*	10520.00	38.32	12.91	51.23	74.00	-22.77	peak	

*:Maximum data   x:Over limit   !:over margin   〈Reference Only

Receiver: ESR_1   Spectrum Analyzer: FSP40

Antenna: EZ 9120D 1G-18G new   Engineer Signature:

Test Result: Pass

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[TestMode: TX band2 a 5260 channel]; [Polarity: Vertical]

Site

Limit: FCC Part15 (PK)

EUT: WIFI&BT Module

M/N: AW65S1-50B1

Mode: 5Gwifi-band2-A-TX-L

Note:

Polarization: **Vertical**

Power:

Temperature: (C)

Humidity: %RH

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		2410.000	44.64	-3.37	41.27	74.00	-32.73	peak	
2		4431.000	41.39	2.36	43.75	74.00	-30.25	peak	
3		5265.250	39.11	9.18	48.29	74.00	-25.71	peak	
4		7004.250	42.24	6.24	48.48	74.00	-25.52	peak	
5		8896.000	39.31	10.31	49.62	74.00	-24.38	peak	
6	*	10520.00	36.89	12.91	49.80	74.00	-24.20	peak	

*:Maximum data   x:Over limit   !:over margin   〈Reference Only

Receiver: ESR_1

Antenna: EZ 9120D 1G-18G new

Spectrum Analyzer: FSP40

Engineer Signature:

Test Result: Pass

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

Radiated Emission Measurement

Project No.: WIFI   Data :#56   2023/7/26

Site

Limit: FCC Part15 (PK)   Polarization: **Vertical**   Temperature: (C)

EUT: WIFI&BT Module   Power: Humidity: %RH

M/N: AW65S1-50B1

Mode: 5Gwifi-band2-A-TX-M

Note:

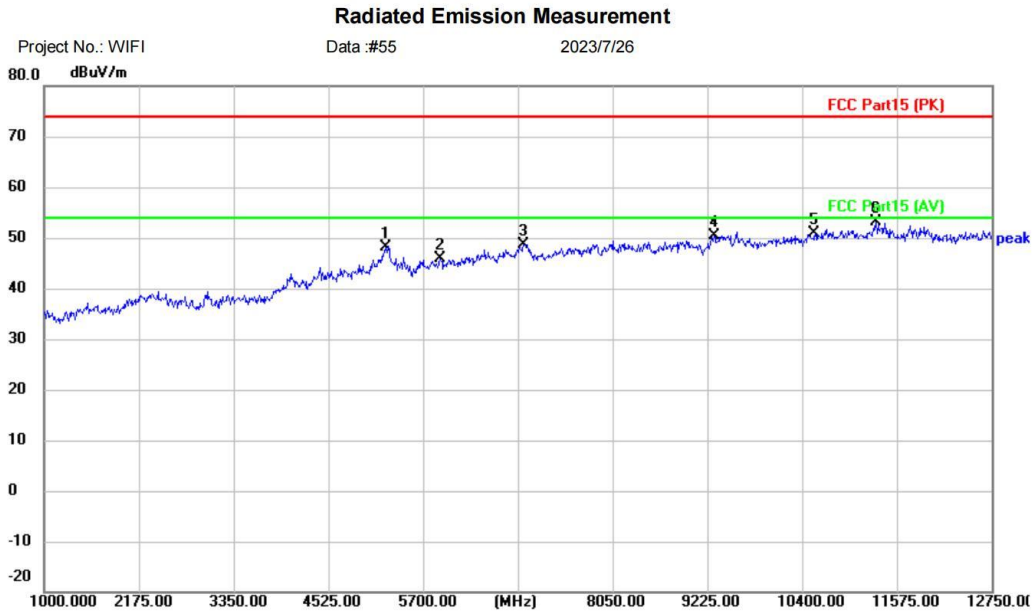| No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		3032.750	42.94	-4.12	38.82	74.00	-35.18	peak	
2		5265.250	39.66	9.18	48.84	74.00	-25.16	peak	
3		6698.750	39.79	7.71	47.50	74.00	-26.50	peak	
4		8449.500	40.09	9.19	49.28	74.00	-24.72	peak	
5		10560.00	36.89	12.88	49.77	74.00	-24.23	peak	
6	*	11915.75	38.21	13.05	51.26	74.00	-22.74	peak	

*:Maximum data   x:Over limit   !:over margin   〈Reference Only

Receiver: ESR_1   Spectrum Analyzer: FSP40

Antenna: EZ 9120D 1G-18G new   Engineer Signature:

Test Result: Pass

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

Radiated Emission Measurement

Project No.: WIFI　　　　　Data :#55　　　　2023/7/26

| Site | Polarization: | *Horizontal* | Temperature: | (C) |
| Limit: FCC Part15 (PK) | Power: | | Humidity: | %RH |

EUT: WIFI&BT Module
M/N: AW65S1-50B1
Mode: 5Gwifi-band2-A-TX-M
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5230.000	39.73	8.44	48.17	74.00	-25.83	peak	
2		5911.500	39.66	6.32	45.98	74.00	-28.02	peak	
3		6945.500	39.57	9.02	48.59	74.00	-25.41	peak	
4		9307.250	39.03	11.42	50.45	74.00	-23.55	peak	
5		10560.00	38.07	12.88	50.95	74.00	-23.05	peak	
6	*	11316.50	39.68	13.39	53.07	74.00	-20.93	peak	

*:Maximum data　　x:Over limit　　!:over margin　　　　　　　　　　〈Reference Only

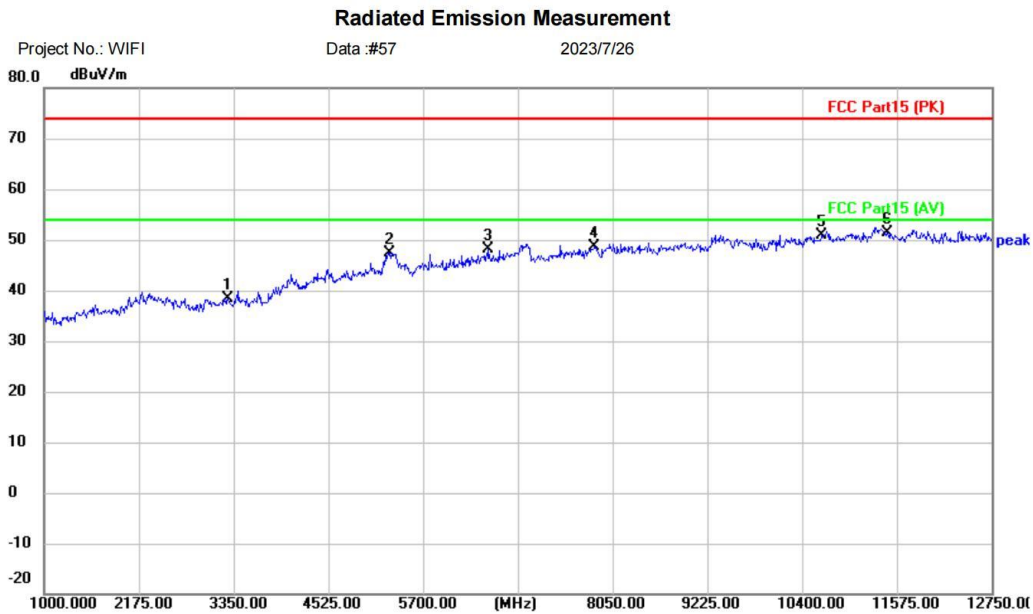Receiver:　　　　ESR_1　　　　　　　　Spectrum Analyzer:　　　　FSP40

Antenna:　　　　EZ 9120D 1G-18G new　　　　Engineer Signature:

Test Result: Pass

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

Radiated Emission Measurement

Project No.: WIFI Data :#57 2023/7/26

Site

Limit: FCC Part15 (PK)

EUT: WIFI&BT Module

M/N: AW65S1-50B1

Mode: 5Gwifi-band2-A-TX-H

Note:

| Polarization: | Horizontal | Temperature: | (C) |
| Power: | | Humidity: | %RH |

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		3279.500	43.02	-4.54	38.48	74.00	-35.52	peak	
2		5277.000	39.64	7.68	47.32	74.00	-26.68	peak	
3		6510.750	40.76	7.29	48.05	74.00	-25.95	peak	
4		7826.750	40.01	8.52	48.53	74.00	-25.47	peak	
5		10640.00	37.73	13.05	50.78	74.00	-23.22	peak	
6	*	11457.50	37.95	13.48	51.43	74.00	-22.57	peak	

*:Maximum data   x:Over limit   !:over margin   〈Reference Only

Receiver: ESR_1

Antenna: EZ 9120D 1G-18G new
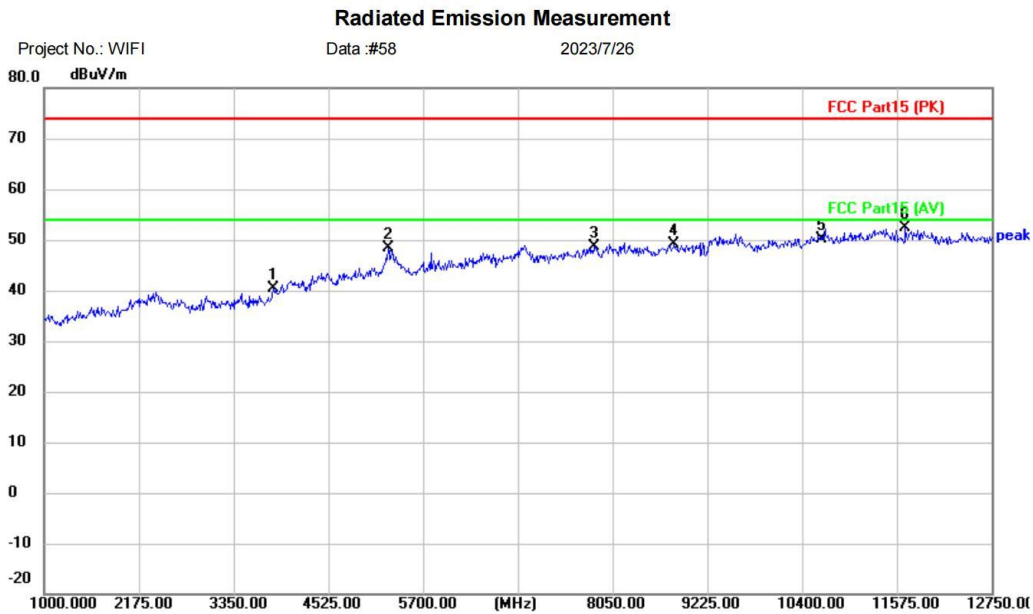
Spectrum Analyzer: FSP40

Engineer Signature:

Test Result: Pass

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

Site

Limit: FCC Part15 (PK)

EUT: WIFI&BT Module

M/N: AW65S1-50B1

Mode: 5Gwifi-band2-A-TX-H

Note:

Polarization: **Vertical**

Power:

Temperature: (C)

Humidity: %RH

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		3843.500	42.24	-1.87	40.37	74.00	-33.63	peak	
2		5265.250	40.78	7.66	48.44	74.00	-25.56	peak	
3		7815.000	40.37	8.38	48.75	74.00	-25.25	peak	
4		8813.750	39.05	10.03	49.08	74.00	-24.92	peak	
5		10640.00	37.03	13.05	50.08	74.00	-23.92	peak	
6	*	11680.75	39.33	13.01	52.34	74.00	-21.66	peak	

*:Maximum data   x:Over limit   !:over margin   〈Reference Only

Receiver: ESR_1

Antenna: EZ 9120D 1G-18G new

Spectrum Analyzer: FSP40

Engineer Signature:

Test Result: Pass

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

Radiated Emission Measurement

Project No.: WIFI   Data :#60   2023/7/26

Site

Limit: FCC Part15 (PK)   Polarization: **Vertical**   Temperature: (C)

EUT: WIFI&BT Module   Power: Humidity: %RH

M/N: AW65S1-50B1

Mode: 5Gwifi-band3-A-TX-L

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		3009.250	44.08	-4.12	39.96	74.00	-34.04	peak	
2		6111.250	39.79	6.68	46.47	74.00	-27.53	peak	
3		7298.000	39.41	7.76	47.17	74.00	-26.83	peak	
4		8661.000	39.94	9.76	49.70	74.00	-24.30	peak	
5		11000.00	37.57	13.82	51.39	74.00	-22.61	peak	
6	*	11951.00	39.22	13.13	52.35	74.00	-21.65	peak	

*:Maximum data   x:Over limit   !:over margin   〈Reference Only

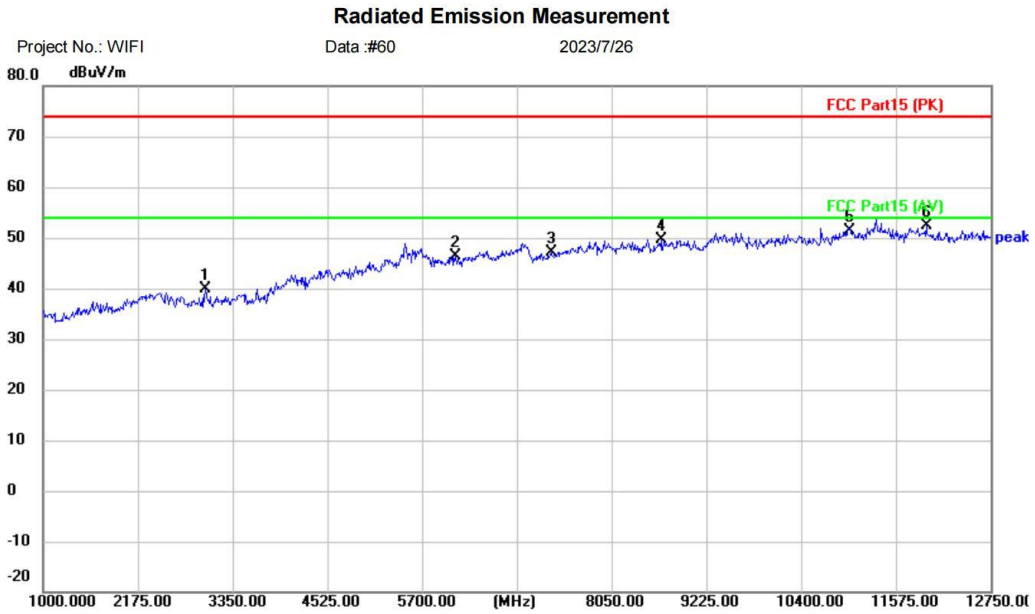Receiver: ESR_1   Spectrum Analyzer: FSP40
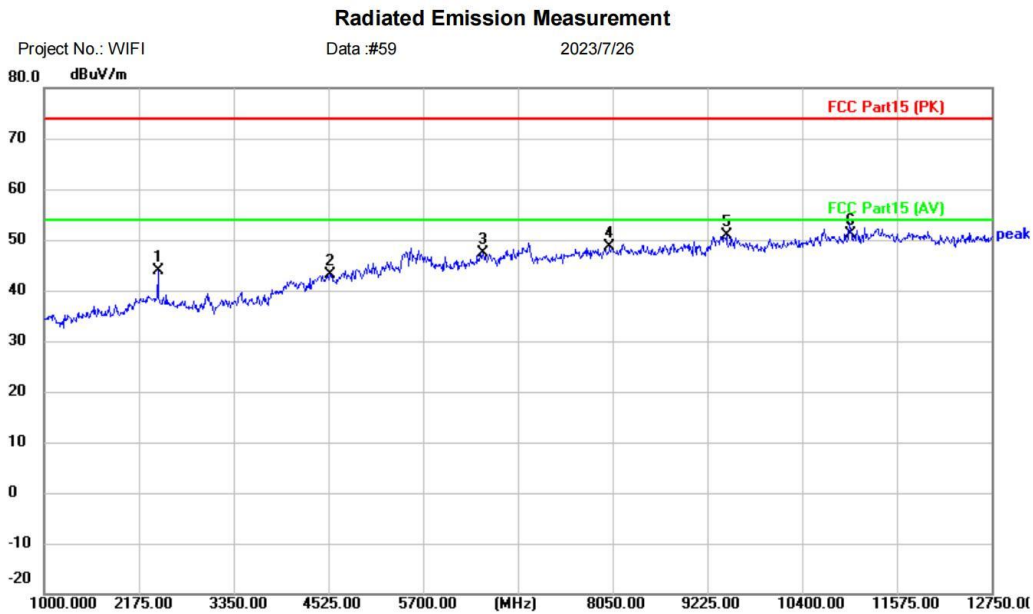
Antenna: EZ 9120D 1G-18G new   Engineer Signature:

Test Result: Pass

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

Radiated Emission Measurement

Project No.: WIFI   Data :#59   2023/7/26

Site					Polarization:	*Horizontal*		Temperature:	(C)

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

EUT: WIFI&BT Module

M/N: AW65S1-50B1

Mode: 5Gwifi-band3-A-TX-L

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2410.000	47.11	-3.29	43.82	74.00	-30.18	peak	
2		4548.500	40.39	2.74	43.13	74.00	-30.87	peak	
3		6440.250	39.60	7.79	47.39	74.00	-26.61	peak	
4		8014.750	39.99	8.69	48.68	74.00	-25.32	peak	
5		9460.000	39.65	11.34	50.99	74.00	-23.01	peak	
6	*	11000.00	37.27	13.82	51.09	74.00	-22.91	peak	

*:Maximum data   x:Over limit   !:over margin   〈Reference Only

Receiver: ESR_1

Antenna: EZ 9120D 1G-18G new

Spectrum Analyzer: FSP40

Engineer Signature:

Test Result: Pass

[TestMode: TX band3 a 5600 channel]; [Polarity: Horizontal]

Radiated Emission Measurement

Project No.: WIFI   Data :#61   2023/7/26
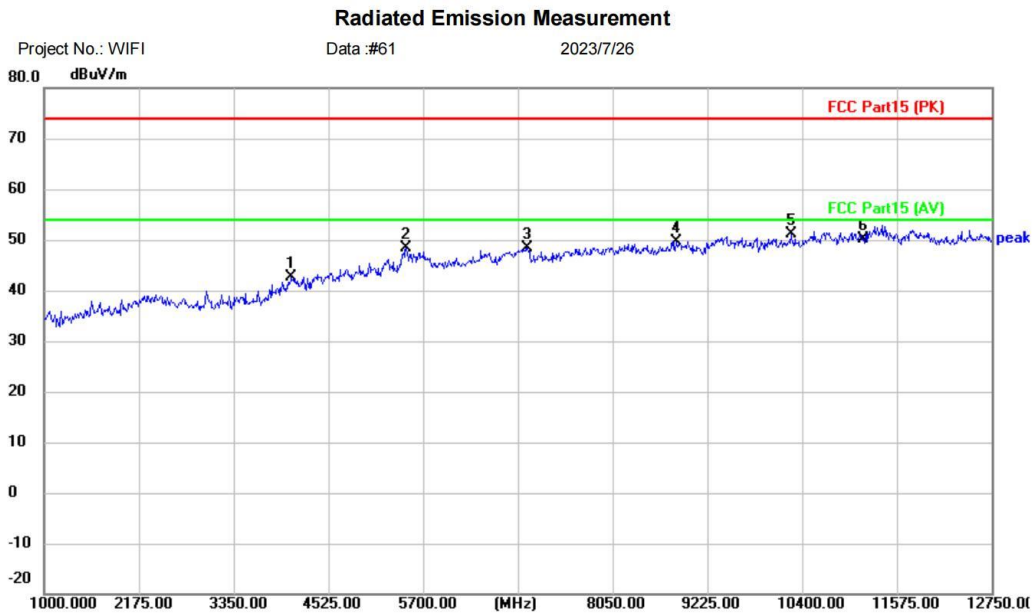
Site	Polarization: *Horizontal*	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH

EUT: WIFI&BT Module

M/N: AW65S1-50B1

Mode: 5Gwifi-band3-A-TX-M

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4066.750	41.59	1.08	42.67	74.00	-31.33	peak	
2		5488.500	40.59	7.89	48.48	74.00	-25.52	peak	
3		6992.500	39.37	8.99	48.36	74.00	-25.64	peak	
4		8837.250	39.64	10.06	49.70	74.00	-24.30	peak	
5	*	10259.00	38.50	12.72	51.22	74.00	-22.78	peak	
6		11160.00	36.87	13.26	50.13	74.00	-23.87	peak	

*:Maximum data   x:Over limit   !:over margin   〈Reference Only

Receiver: ESR_1   Spectrum Analyzer: FSP40
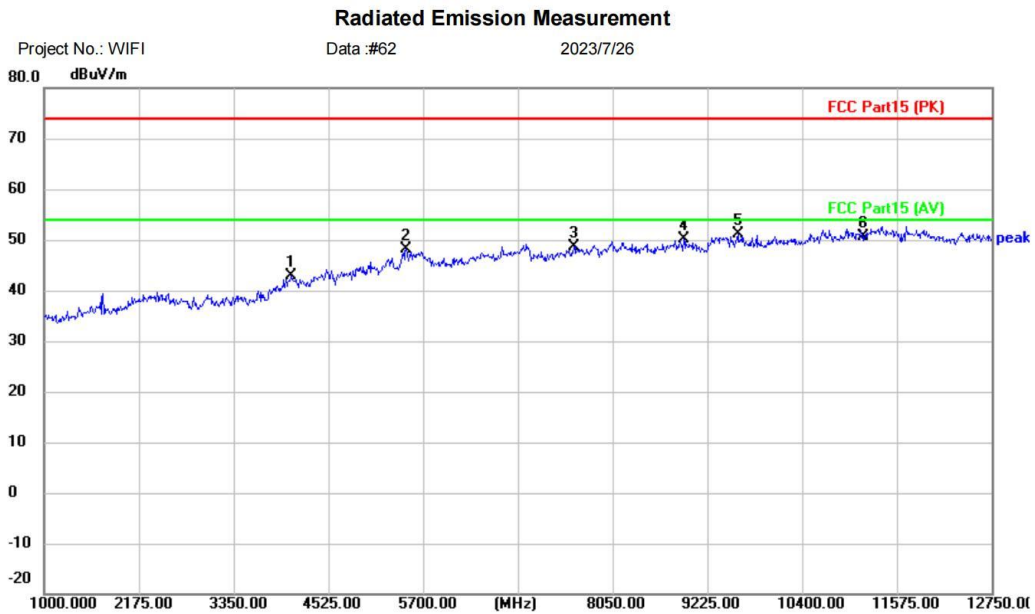
Antenna: EZ 9120D 1G-18G new   Engineer Signature:

Test Result: Pass

[TestMode: TX band3 a 5600 channel]; [Polarity: Vertical]

Radiated Emission Measurement

Project No.: WIFI   Data :#62   2023/7/26

Site	Polarization: **Vertical**
Limit: FCC Part15 (PK)	Power:
EUT: WIFI&BT Module	
M/N: AW65S1-50B1	
Mode: 5Gwifi-band3-A-TX-M	
Note:	

Temperature: (C)
Humidity: %RH

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		4066.750	41.83	1.08	42.91	74.00	-31.09	peak	
2		5488.500	40.12	7.89	48.01	74.00	-25.99	peak	
3		7568.250	40.37	8.24	48.61	74.00	-25.39	peak	
4		8931.250	39.64	10.44	50.08	74.00	-23.92	peak	
5	*	9601.000	39.58	11.58	51.16	74.00	-22.84	peak	
6		11160.00	37.32	13.26	50.58	74.00	-23.42	peak	

*:Maximum data   x:Over limit   !:over margin   〈Reference Only

Receiver:	ESR_1	Spectrum Analyzer:	FSP40
Antenna:	EZ 9120D 1G-18G new	Engineer Signature:	

Test Result: Pass

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

Radiated Emission Measurement

Project No.: WIFI   Data :#63   2023/7/26
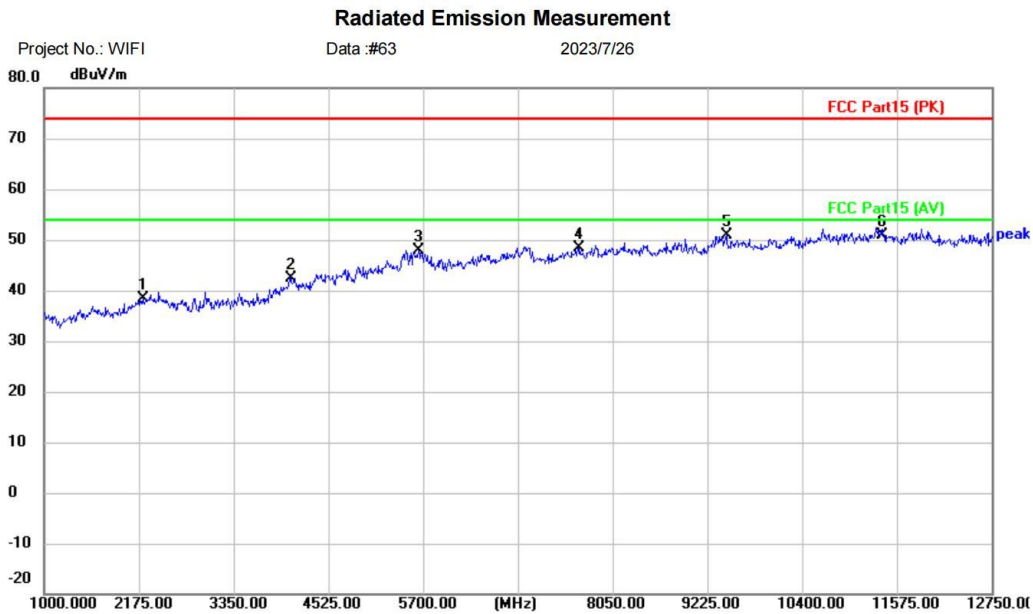
| Site | | Polarization: | *Horizontal* | Temperature: | (C) |
| Limit: FCC Part15 (PK) | | Power: | | Humidity: | %RH |

EUT: WIFI&BT Module
M/N: AW65S1-50B1
Mode: 5Gwifi-band3-A-TX-H
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2222.000	42.10	-3.75	38.35	74.00	-35.65	peak	
2		4055.000	41.56	0.94	42.50	74.00	-31.50	peak	
3		5641.250	40.18	7.67	47.85	74.00	-26.15	peak	
4		7638.750	40.26	8.06	48.32	74.00	-25.68	peak	
5	*	9460.000	39.52	11.34	50.86	74.00	-23.14	peak	
6		11400.00	37.41	13.41	50.82	74.00	-23.18	peak	

*:Maximum data   x:Over limit   !:over margin   〈Reference Only

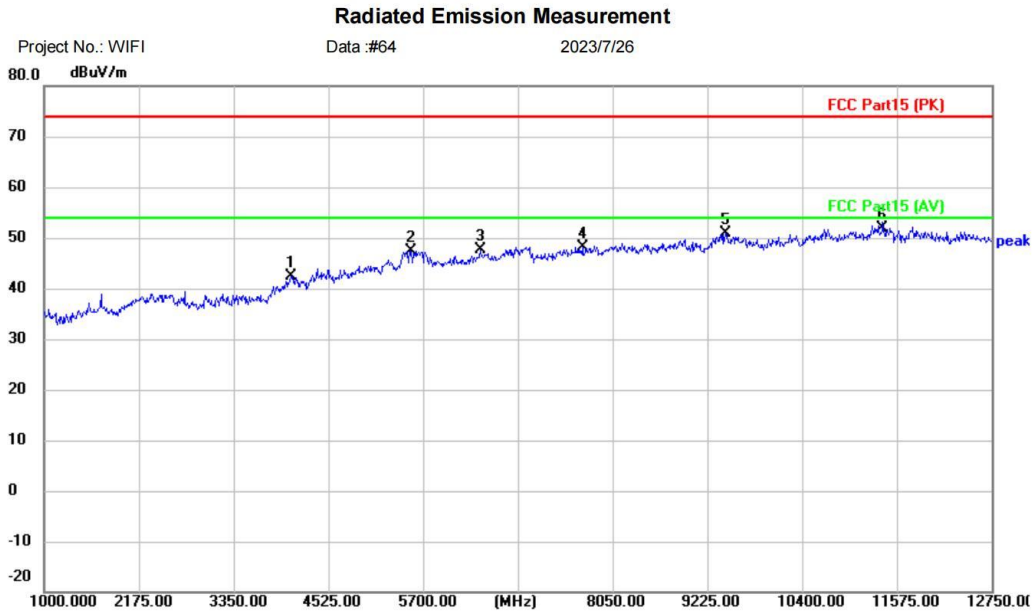Receiver: ESR_1   Spectrum Analyzer: FSP40

Antenna: EZ 9120D 1G-18G new   Engineer Signature:

Test Result: Pass

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

Radiated Emission Measurement

Site
Limit: FCC Part15 (PK)
EUT: WIFI&BT Module
M/N: AW65S1-50B1
Mode: 5Gwifi-band3-A-TX-H
Note:

| | Polarization: | | | | | Vertical | | Temperature: | (C) |
| Power: | | | | | | | | Humidity: | %RH |

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		4066.750	41.41	1.08	42.49	74.00	-31.51	peak	
2		5547.250	39.83	7.63	47.46	74.00	-26.54	peak	
3		6405.000	39.60	7.96	47.56	74.00	-26.44	peak	
4		7674.000	39.87	8.21	48.08	74.00	-25.92	peak	
5		9448.250	39.58	11.36	50.94	74.00	-23.06	peak	
6	*	11400.00	38.44	13.41	51.85	74.00	-22.15	peak	

*:Maximum data   x:Over limit   !:over margin   〈Reference Only

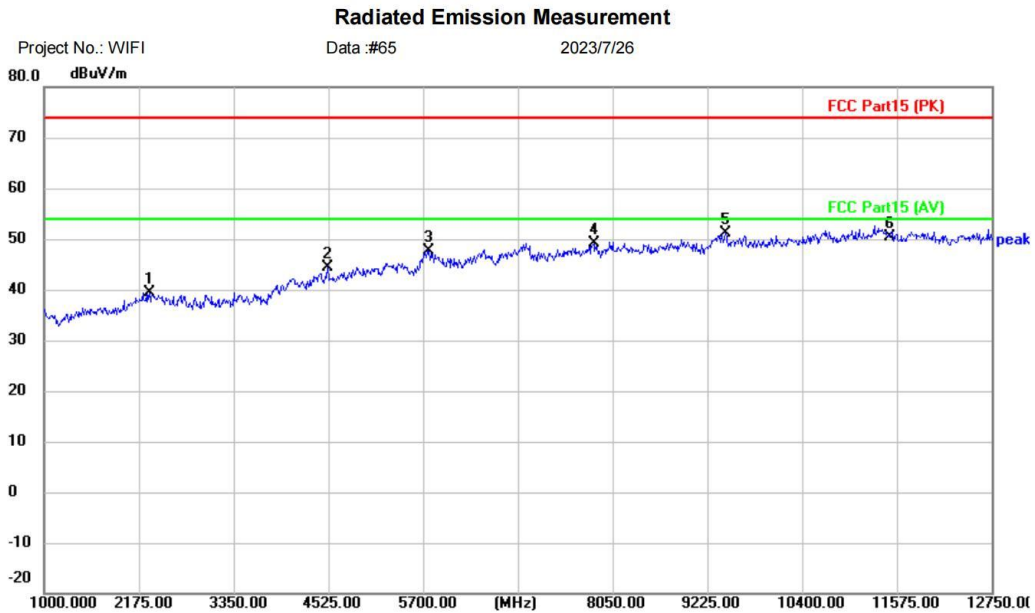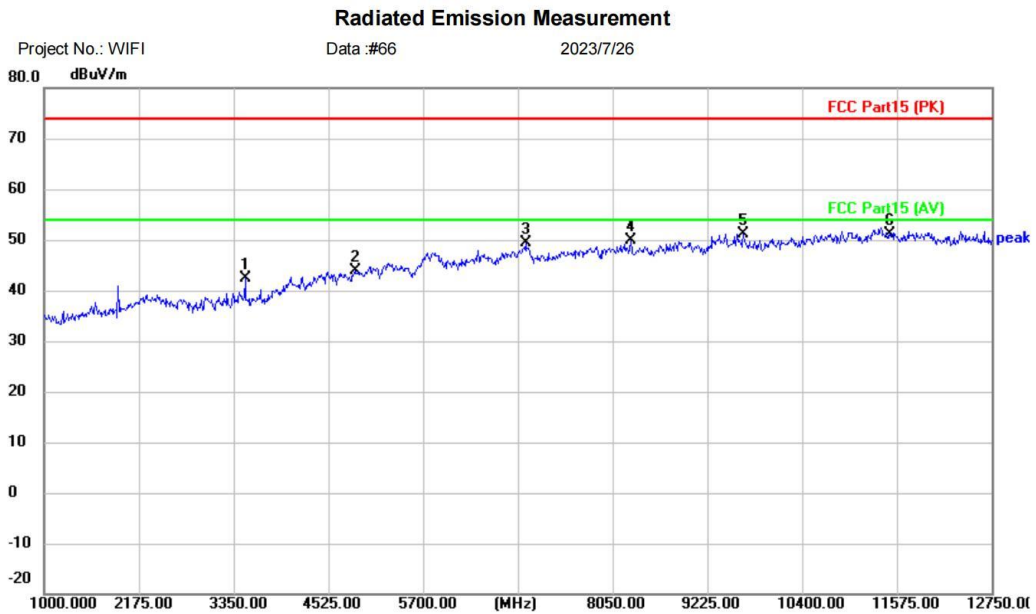Receiver: ESR_1   Spectrum Analyzer: FSP40
Antenna: EZ 9120D 1G-18G new   Engineer Signature:

Test Result: Pass

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

Radiated Emission Measurement

Project No.: WIFI   Data :#65   2023/7/26

Site	Polarization: *Horizontal* Temperature: (C)
Limit: FCC Part15 (PK)	Power: Humidity: %RH
EUT: WIFI&BT Module	
M/N: AW65S1-50B1	
Mode: 5Gwifi-band4-A-TX-L	
Note:	

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2304.250	42.78	-3.45	39.33	74.00	-34.67	peak	
2		4513.250	41.56	2.71	44.27	74.00	-29.73	peak	
3		5770.500	39.64	8.09	47.73	74.00	-26.27	peak	
4		7815.000	40.65	8.38	49.03	74.00	-24.97	peak	
5	*	9448.250	39.89	11.36	51.25	74.00	-22.75	peak	
6		11490.00	36.82	13.52	50.34	74.00	-23.66	peak	

*:Maximum data   x:Over limit   !:over margin   〈Reference Only

Receiver:	ESR_1	Spectrum Analyzer:	FSP40
Antenna:	EZ 9120D 1G-18G new	Engineer Signature:	

Test Result: Pass

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

Radiated Emission Measurement

Project No.: WIFI   Data :#66   2023/7/26

Site	Polarization:	**Vertical**	Temperature:	(C)
Limit: FCC Part15 (PK)	Power:		Humidity:	%RH

EUT: WIFI&BT Module

M/N: AW65S1-50B1

Mode: 5Gwifi-band4-A-TX-L

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		3491.000	45.13	-2.73	42.40	74.00	-31.60	peak	
2		4865.750	39.90	4.04	43.94	74.00	-30.06	peak	
3		6969.000	40.22	9.17	49.39	74.00	-24.61	peak	
4		8273.250	41.16	8.71	49.87	74.00	-24.13	peak	
5	*	9671.500	39.50	11.61	51.11	74.00	-22.89	peak	
6		11490.00	37.50	13.52	51.02	74.00	-22.98	peak	

*:Maximum data   x:Over limit   !:over margin   〈Reference Only

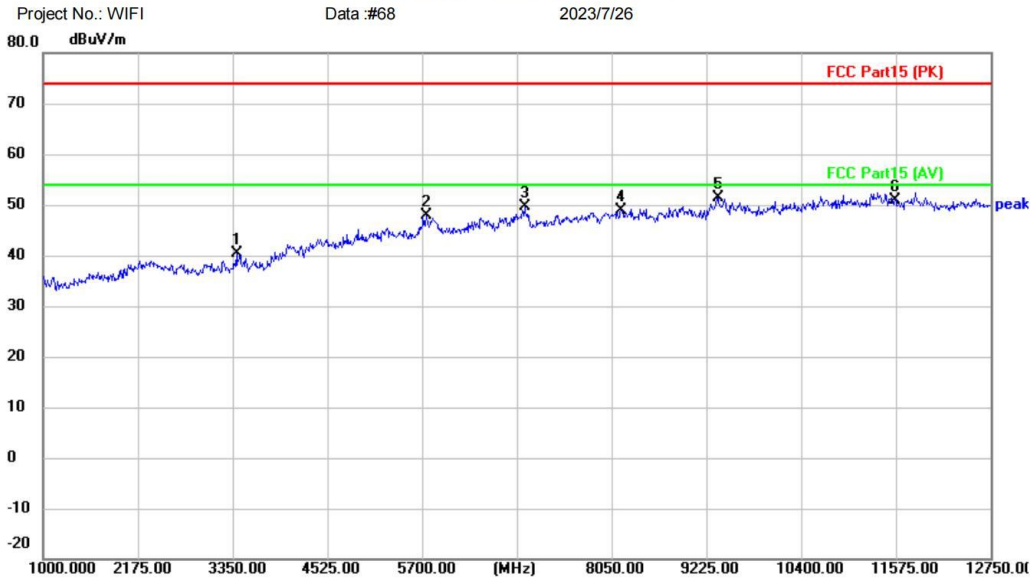Receiver: ESR_1   Spectrum Analyzer: FSP40

Antenna: EZ 9120D 1G-18G new   Engineer Signature:

Test Result: Pass

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[TestMode: TX band4 a 5785 channel]; [Polarity: Vertical]

Radiated Emission Measurement

Project No.: WIFI   Data :#68   2023/7/26

Site

Limit: FCC Part15 (PK)

EUT: WIFI&BT Module

M/N: AW65S1-50B1

Mode: 5Gwifi-band4-A-TX-M

Note:

Polarization: **Vertical**   Temperature: (C)

Power: Humidity: %RH

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		3397.000	44.09	-3.66	40.43	74.00	-33.57	peak	
2		5747.000	39.46	8.46	47.92	74.00	-26.08	peak	
3		6969.000	40.45	9.17	49.62	74.00	-24.38	peak	
4		8167.500	40.28	8.60	48.88	74.00	-25.12	peak	
5	*	9366.000	39.94	11.41	51.35	74.00	-22.65	peak	
6		11570.00	37.54	13.27	50.81	74.00	-23.19	peak	

*:Maximum data   x:Over limit   !:over margin   〈Reference Only

Receiver: ESR_1   Spectrum Analyzer: FSP40

Antenna: EZ 9120D 1G-18G new   Engineer Signature:

Test Result: Pass