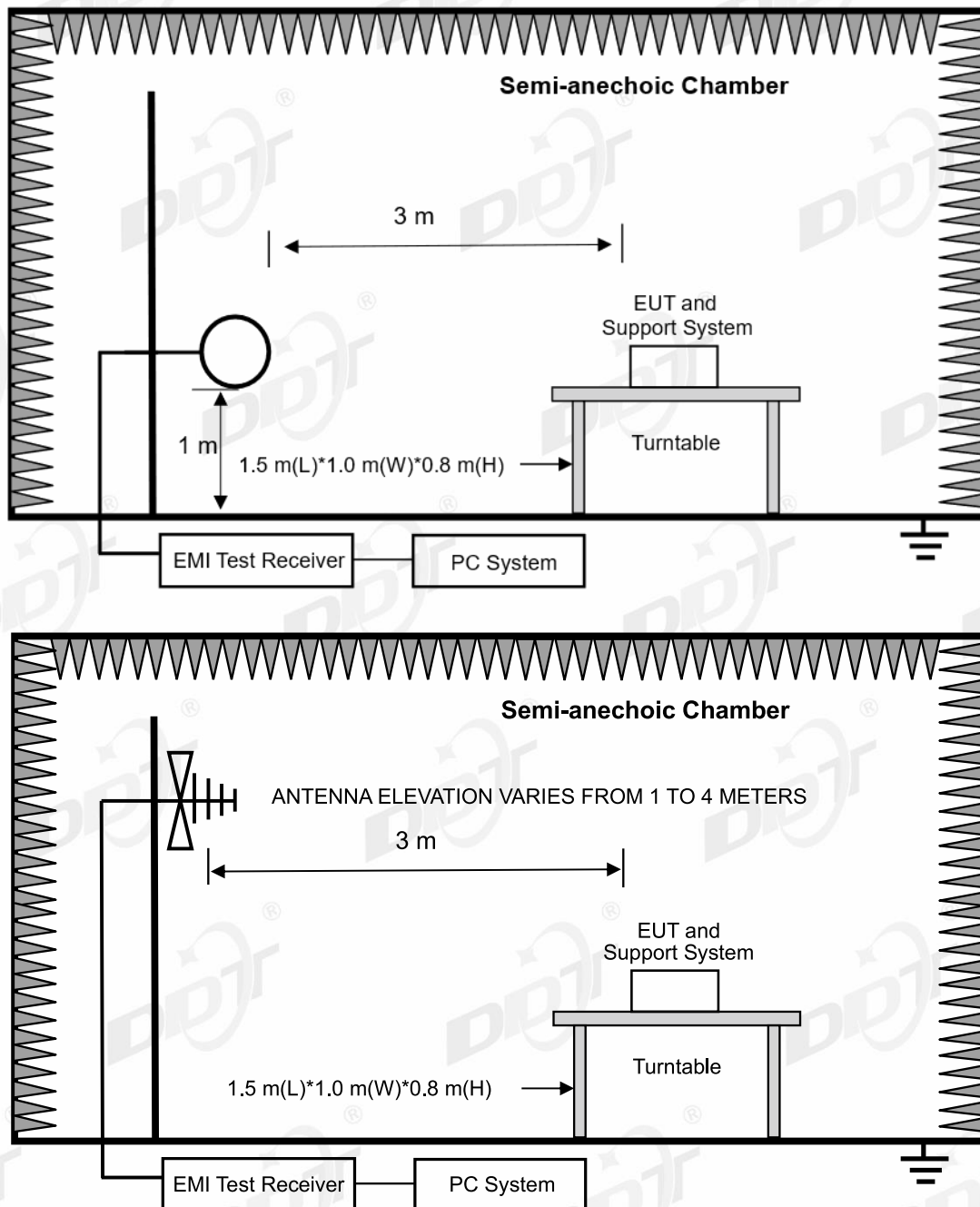


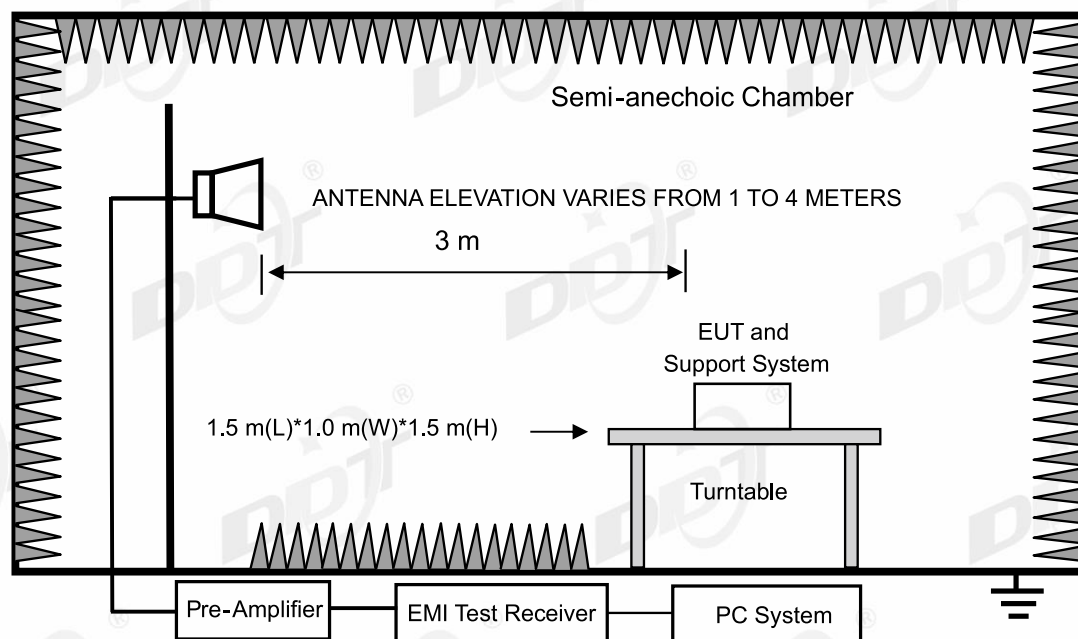
10.Radiated Emission

10.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2025/09/11
Hochgewinn-Hornantenne	SCHWARZBEC K	BBHA 9120 D	DDT-ZC02129	2025/09/18
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2024/07/11
RF cable	Yuhu Technology	ZT26S-SMAJ- SMAJ-1M	DDT-ZC02037	2025/03/31
ELECTRIC AND MAGNETIC FIELD ANALYZER	Narda	EHP-200A	DDT-ZC01401	2024/09/20
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2025/04/22
RF Cable	N/A	W13.02 AP1-X2	DDT-ZC04023	2025/03/31
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2025/04/26
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ- 1.5M	DDT-ZC02762	2025/03/31
High Pass filter	Xi'an Xingbo	XBLBQ-GTA67	DDT-ZC02179	2025/04/22
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2025/03/31
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/
RF cable	Yuhu Technology	JCTB810-NJ-NJ- 9M	DDT-ZC02538	2025/03/31
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2025/04/22
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2025/03/31
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2024/07/14
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2025/03/31
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2025/03/31

10.2. Block diagram of test setup





10.3. Limits

(1) FCC 15.205 Restricted frequency band

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.1772&4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.2072&4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

²Above 38.6

RSS-Gen section 8.10 Restricted frequency bands*

MHz	MHz	MHz	GHz
0.090-0.110	12.51975-12.52025	240-285	3.5-4.4
0.495-0.505	12.57675-12.57725	322-335.4	4.5-5.15
2.1735-2.1905	13.36-13.41	399.9-410	5.35-5.46
3.020-3.026	16.42-16.423	608-614	7.25-7.75
4.125-4.128	16.69475-16.69525	960-1427	8.025-8.5
4.1772&4.17775	16.80425-16.80475	1435-1626.5	9.0-9.2
4.2072&4.20775	25.5-25.67	1645.5-1646.5	9.3-9.5
5.677-5.683	37.5-38.25	1660-1710	10.6-12.7
6.215-6.218	73-74.6	1718.8-1722.2	13.25-13.4
6.26775-6.26825	74.8-75.2	2200-2300	14.47-14.5
6.31175-6.31225	108-138	2310-2390	15.35-16.2
8.291-8.294	149.9-150.05	2483.5-2500	17.7-21.4
8.362-8.366	156.52475-156.52525	2655-2900	22.01-23.12
8.37625-8.38675	156.7-156.9	3260-3267	23.6-24.0
8.41425-8.41475	162.0125-167.17	3332-3339	31.2-31.8
12.29-12.293	167.72-173.2	3345.8-3358	36.43-36.5
			Above 38.6

* Certain frequency bands listed in table and in bands above 38.6 GHz are designated for licence-exempt applications. These frequency bands and the requirements that apply to related devices are set out in the 200 and 300 series of RSSs.

(2) FCC 15.209 Limit & RSS-Gen section 8.9 Limit

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		mV/m	dB(mV)/m
0.009 ~ 0.490	300	2400/F(kHz)	67.6-20log(F)
0.490 ~ 1.705	30	24000/F(kHz)	87.6-20log(F)
1.705 ~ 30.0	30	30	29.54
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 dB(mV)/m (Peak) 54.0 dB(mV)/m (Average)	

Note:

(1) The emission limits shown in the above table are based on measurements employing a CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz and above 1000 MHz, radiated emissions limits in these three bands are based on measurements employing an average detector.

(2) At frequencies below 30 MHz, measurement may be performed at a distance closer than that specified, and the limit at closer measurement distance can be extrapolated by below formula:

$$\text{Limit}_{3\text{m}}(\text{dBuV/m}) = \text{Limit}_{30\text{m}}(\text{dBuV/m}) + 40\text{Log}(30\text{m}/3\text{m})$$

(3) Limit for this EUT

The emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, and the emissions appearing within RSS-Gen section 8.10 Restricted frequency bands shall not exceed the limits shown in RSS-Gen section 8.9, all the other emissions shall be at least 20 dB below the fundamental emissions or comply with 15.209 limits and RSS-Gen section 8.9 limits.

10.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
/	/	/	/	/

10.5. Test procedure

- (1) EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber for below 1G and 150 cm above the ground plane inside a fully-anechoic chamber for above 1G.
- (2) Test antenna was located 3 m from the EUT on an adjustable mast, and the antenna used as below table.

Test frequency range	Test antenna used	Test antenna distance
9 kHz - 30 MHz	Active Loop antenna	3 m
30 MHz - 1 GHz	Trilog Broadband Antenna	3 m
1 GHz - 18 GHz	Double Ridged Horn Antenna(1 GHz-18 GHz)	3 m
18 GHz - 40 GHz	Horn Antenna(18 GHz-40 GHz)	1 m

According ANSI C63.10:2013 clause 6.4.6 and 6.5.3, for measurements below 30 MHz, Antenna was located 3 m from EUT, the loop antenna was positioned in three antenna orientations (parallel, perpendicular, and round-parallel), for each measurement antenna alignment, the EUT shall be rotated through 0° to 360° on a turntable, and the lowest height of the magnetic antenna shall be 1 m above the ground. For measurement above 30MHz, the trilog Broadband Antenna or Horn Antenna was located 3m from EUT, Measurements were made with the antenna positioned in both the horizontal and vertical planes of Polarization, and the measurement antenna was varied from 1 m to 4 m. in height above the reference ground plane to obtain the maximum signal strength.

- (3) Below pre-scan procedure was first performed in order to find prominent frequency spectrum radiated emissions from 9 kHz to 25 GHz:

- (a) Scanning the peak frequency spectrum with the antenna specified in step (3), and the EUT was rotated 360 degree, the antenna height was varied from 1 m to 4 m (Except loop antenna, it's fixed 1 m above ground.)

- (b) Change work frequency or channel of device if practicable.

- (c) Change modulation type of device if practicable.

- (d) Change power supply range from 85% to 115% of the rated supply voltage

- (e) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions.

Spectrum frequency from 9 kHz to 25 GHz (tenth harmonic of fundamental frequency) was investigated, and no any obvious emission were detected from 18 GHz to 25 GHz, so below final test was performed with frequency range from 9 kHz to 18 GHz.

(4) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1 m and 4 m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipment and all of the interface cables were changed according to ANSI C63.10:2013 on Radiated Emission test.

(5) The emissions from 9 kHz to 1 GHz were measured based on CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz, for emissions from 9 kHz - 90 kHz, 110 kHz - 490 kHz and above 1 GHz were measured based on average detector, for emissions above 1 GHz, peak emissions also be measured and need comply with Peak limit.

(6) The emissions from 9 kHz to 1 GHz, QP or average values were measured with EMI receiver with below RBW.

Frequency band	RBW
9 kHz - 150 kHz	200 Hz
150 kHz - 30 MHz	9 kHz
30 MHz - 1 GHz	120 kHz

(7) For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz, VBW is set at 3 MHz for Peak measure; According ANSI C63.10:2013 clause 4.1.4.2.2 procedure for average measure.

(8) For portable device, X axis, Y axis, Z axis are tested, and worse setup is reported.

(9) According exploratory test, the emission levels are 20 dB below the limit detected from 9 kHz to 30 MHz and 18 GHz to 25 GHz, so the final test was performed with frequency range from 30 MHz to 18 GHz and recorded in below.

(10) 30 MHz ~ 25 GHz: (Scan with all mode, the worst case is record and report)

(11) For emissions below 1 GHz, according exploratory explorer test, when change Tx mode and channel, have no distinct influence on emissions level, so for emissions below 1 GHz, the final test was only performed with the worst mode.

(12) The worst simultaneous case and was recorded.

10.6. Test result

PASS. (See below detailed test result)

10.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-22

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

2.4G TX mode

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

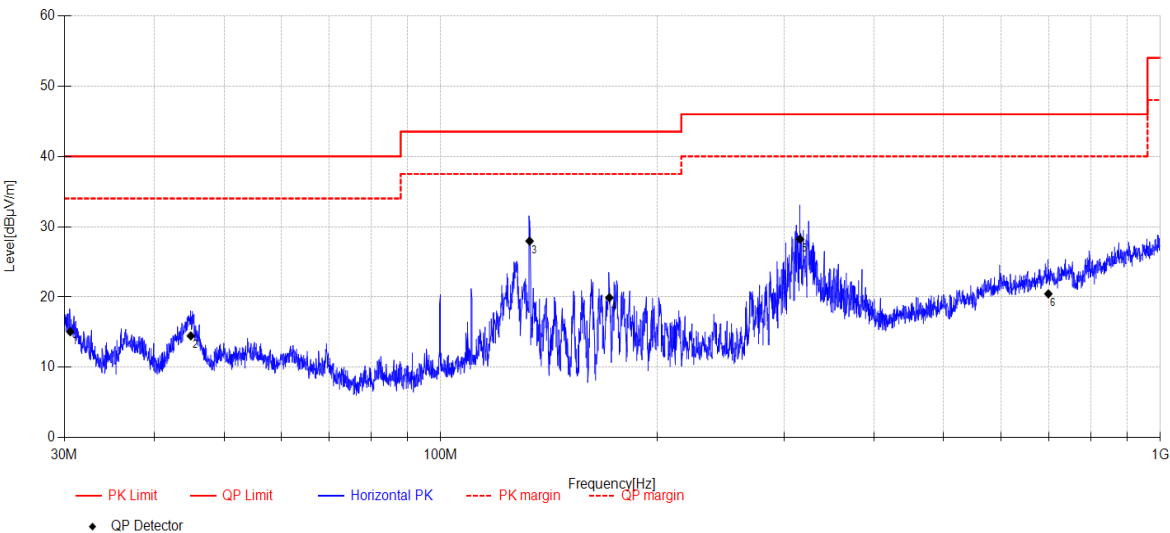
Test Site:

DDT 3# Chamber

File Path:

d:\ts\2024 report data\Q24053102-2E\FCC BELOW 1G\20240622-192751_H

Memo:



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	AMP [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	30.573	31.95	10.36	3.76	-30.99	15.08	40.00	24.92	QP	Horizontal
2	44.960	28.22	13.19	3.85	-30.78	14.48	40.00	25.52	QP	Horizontal
3	132.925	45.67	8.69	4.40	-30.80	27.96	43.50	15.54	QP	Horizontal
4	171.573	36.63	9.37	4.61	-30.69	19.92	43.50	23.58	QP	Horizontal
5	315.775	39.64	13.58	5.28	-30.27	28.23	46.00	17.77	QP	Horizontal
6	698.864	24.05	19.62	6.69	-29.90	20.46	46.00	25.54	QP	Horizontal

Note:

- Result Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
- Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-22

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

2.4G TX mode

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

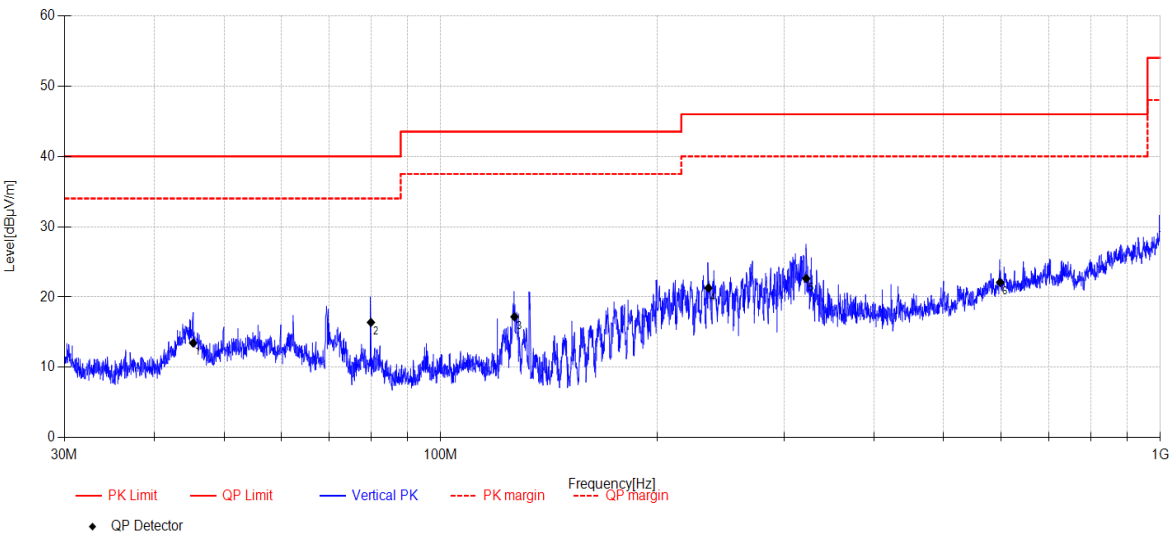
Test Site:

DDT 3# Chamber

File Path:

d:\ts\2024 report data\Q24053102-2E\FCC BELOW 1G\20240622-192832_V

Memo:



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	AMP [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	45.308	27.47	12.92	3.85	-30.77	13.47	40.00	26.53	QP	Vertical
2	80.009	34.11	8.70	4.09	-30.50	16.40	40.00	23.60	QP	Vertical
3	126.647	34.5	9.16	4.36	-30.82	17.20	43.50	26.30	QP	Vertical
4	235.554	35.41	11.44	4.92	-30.49	21.28	46.00	24.72	QP	Vertical
5	322.036	33.79	13.80	5.31	-30.26	22.64	46.00	23.36	QP	Vertical
6	598.963	26.49	19.12	6.37	-29.90	22.08	46.00	23.92	QP	Vertical

Note:

1. Result Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-17

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

AX20 TX 2412MHZ

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

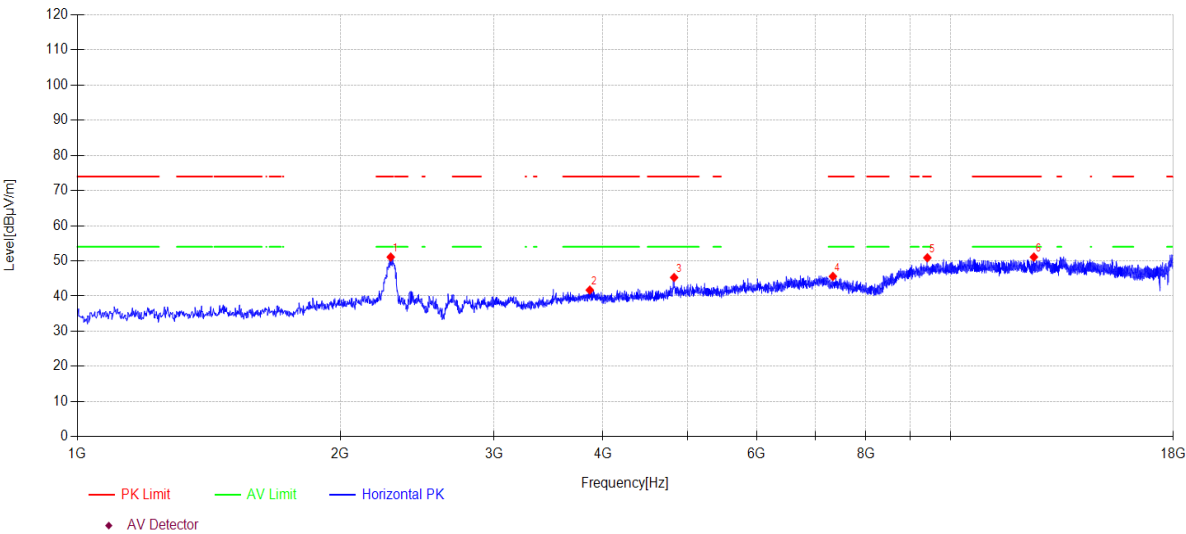
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\82

Memo:

Sample Number:S24053102-001 Power Setting:20

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2285.200	57.19	26.95	4.77	-37.82	51.09	74.00	22.91	PK	Horizontal
2	3862.800	46.03	30.98	5.07	-40.37	41.71	74.00	32.29	PK	Horizontal
3	4825.000	46.73	33.15	5.55	-40.14	45.29	74.00	28.71	PK	Horizontal
4	7334.200	43.69	36.83	6.62	-41.54	45.60	74.00	28.40	PK	Horizontal
5	9408.200	43.53	38.70	7.43	-38.76	50.90	74.00	23.10	PK	Horizontal
6	12461.400	42.48	39.36	9.00	-39.74	51.10	74.00	22.90	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-17

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

AX20 TX 2412MHZ

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

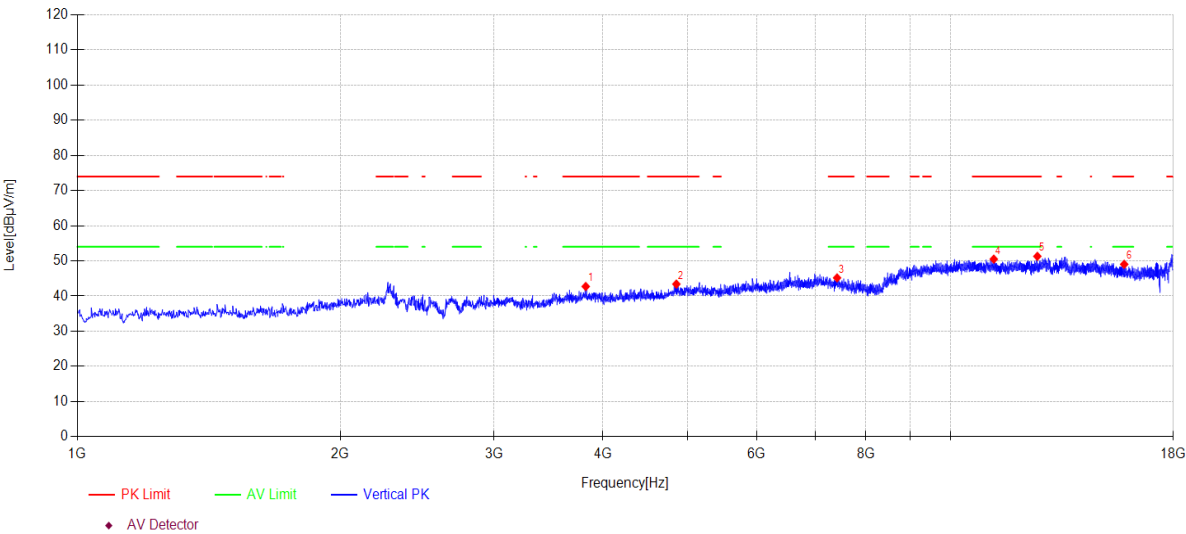
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\83

Memo:

Sample Number:S24053102-001 Power Setting:20

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	3822.000	47.20	30.79	5.08	-40.34	42.73	74.00	31.27	PK	Vertical
2	4853.900	44.24	33.74	5.56	-40.13	43.41	74.00	30.59	PK	Vertical
3	7415.800	43.60	36.67	6.66	-41.74	45.19	74.00	28.81	PK	Vertical
4	11210.200	42.24	39.20	8.26	-39.19	50.51	74.00	23.49	PK	Vertical
5	12575.300	42.63	39.40	9.05	-39.78	51.30	74.00	22.70	PK	Vertical
6	15812.100	39.98	38.28	10.02	-39.25	49.03	74.00	24.97	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-17

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

AX20 TX 2437MHZ

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

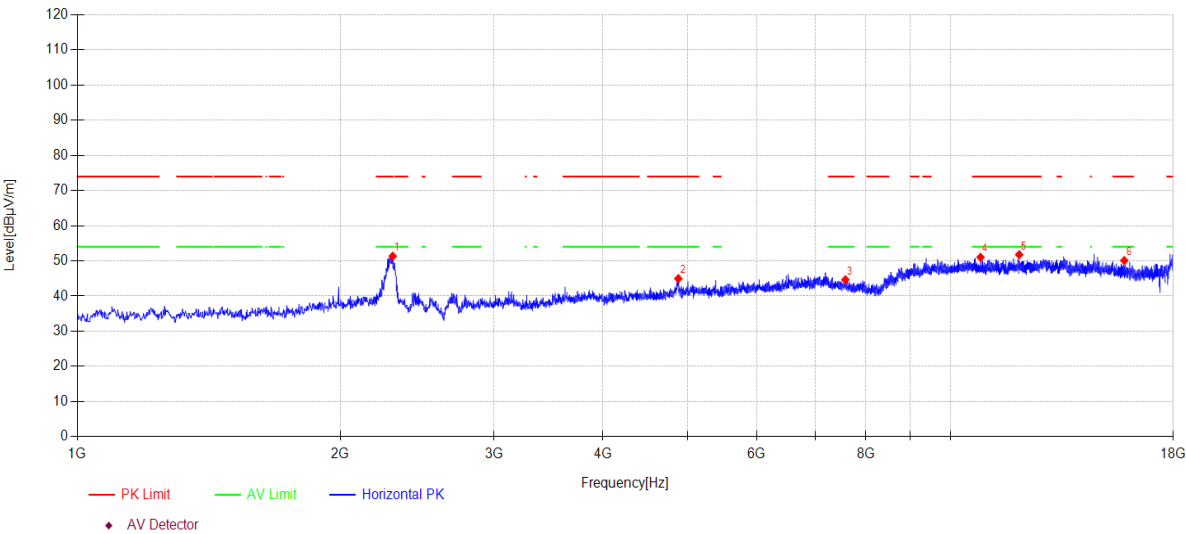
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\84

Memo:

Sample Number:S24053102-001 Power Setting:20

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2297.100	57.58	26.83	4.78	-37.85	51.34	74.00	22.66	PK	Horizontal
2	4879.400	46.17	33.33	5.58	-40.12	44.96	74.00	29.04	PK	Horizontal
3	7579.000	43.59	36.46	6.75	-42.15	44.65	74.00	29.35	PK	Horizontal
4	10826.000	42.65	39.37	8.04	-39.03	51.03	74.00	22.97	PK	Horizontal
5	11988.800	43.40	39.17	8.75	-39.55	51.77	74.00	22.23	PK	Horizontal
6	15815.500	41.05	38.27	10.03	-39.25	50.10	74.00	23.90	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-17

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

AX20 TX 2437MHZ

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

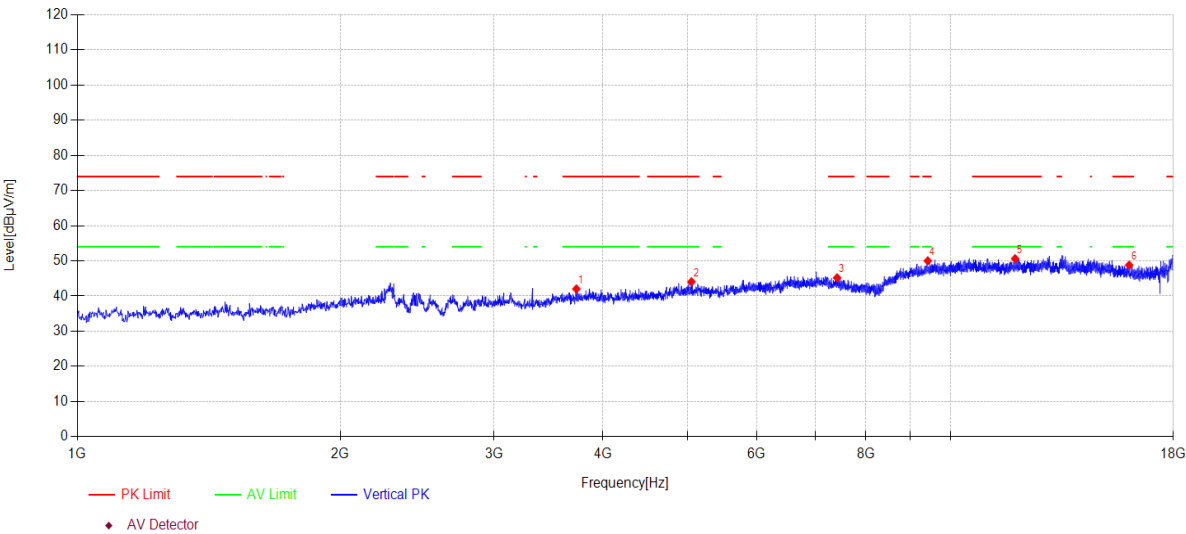
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\85

Memo:

Sample Number:S24053102-001 Power Setting:20

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	3728.500	46.75	30.46	5.10	-40.28	42.03	74.00	31.97	PK	Vertical
2	5051.100	45.15	33.30	5.68	-40.07	44.06	74.00	29.94	PK	Vertical
3	7415.800	43.61	36.67	6.66	-41.74	45.20	74.00	28.80	PK	Vertical
4	9418.400	42.64	38.70	7.44	-38.76	50.02	74.00	23.98	PK	Vertical
5	11859.600	42.55	38.90	8.67	-39.49	50.63	74.00	23.37	PK	Vertical
6	16019.500	40.06	37.98	10.15	-39.38	48.81	74.00	25.19	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-17

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

AX20 TX 2462MHZ

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

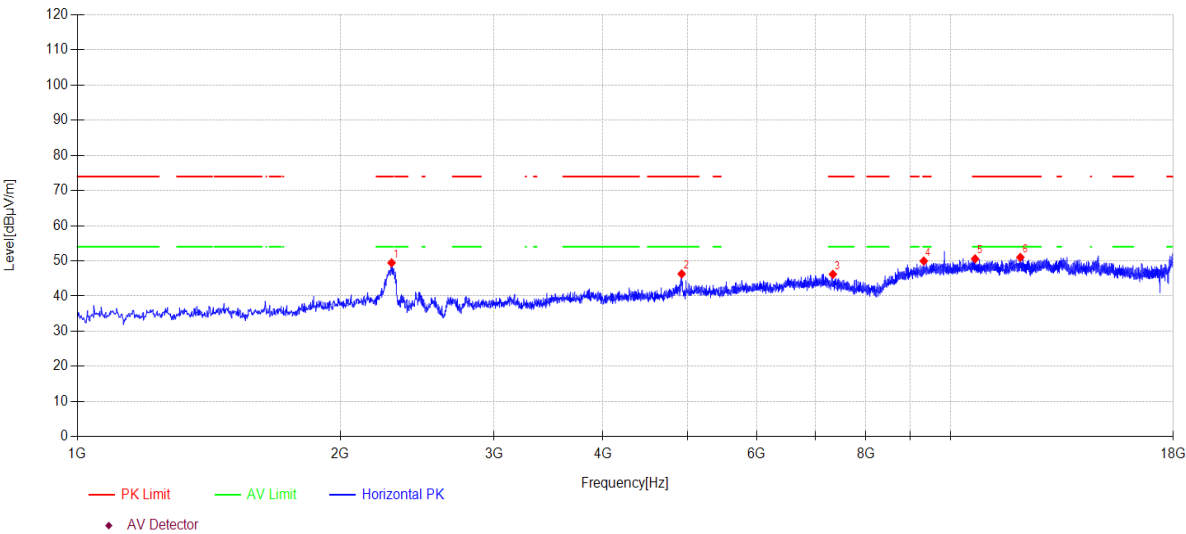
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\86

Memo:

Sample Number:S24053102-001 Power Setting:20

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2290.300	55.61	26.90	4.77	-37.83	49.45	74.00	24.55	PK	Horizontal
2	4921.900	47.78	33.04	5.60	-40.11	46.31	74.00	27.69	PK	Horizontal
3	7334.200	44.28	36.83	6.62	-41.54	46.19	74.00	27.81	PK	Horizontal
4	9319.800	42.70	38.64	7.41	-38.77	49.98	74.00	24.02	PK	Horizontal
5	10671.300	42.25	39.34	7.97	-38.97	50.59	74.00	23.41	PK	Horizontal
6	12024.500	42.59	39.22	8.77	-39.57	51.01	74.00	22.99	PK	Horizontal

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-17

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

AX20 TX 2462MHZ

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

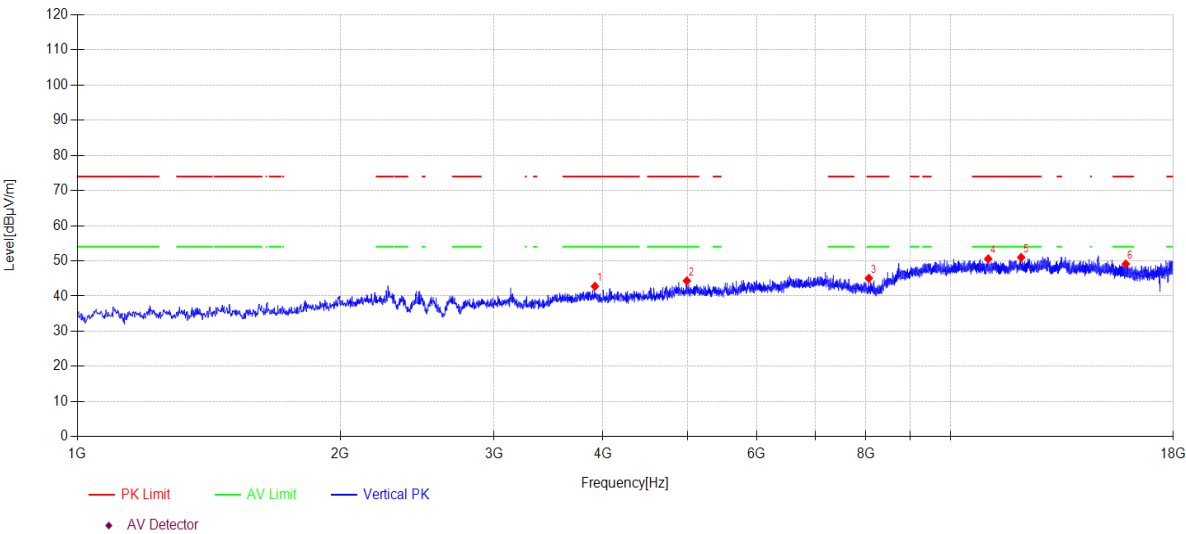
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\87

Memo:

Sample Number:S24053102-001 Power Setting:20

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3915.500	46.95	31.17	5.06	-40.40	42.78	74.00	31.22	PK	Vertical
2	4989.900	45.58	33.18	5.64	-40.08	44.32	74.00	29.68	PK	Vertical
3	8063.500	43.87	37.13	6.99	-42.92	45.07	74.00	28.93	PK	Vertical
4	11047.000	42.22	39.30	8.16	-39.11	50.57	74.00	23.43	PK	Vertical
5	12050.000	42.54	39.25	8.79	-39.58	51.00	74.00	23.00	PK	Vertical
6	15876.700	40.18	38.15	10.07	-39.29	49.11	74.00	24.89	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

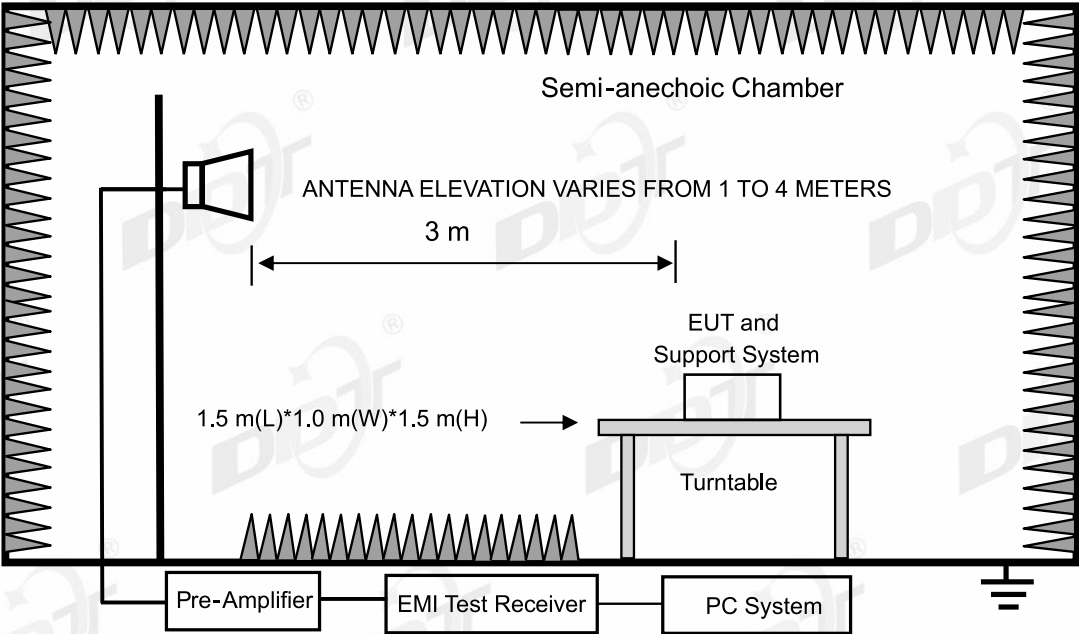
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

11.Band Edge Compliance

11.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2025/03/31
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2025/03/31
RF Cable	N/A	W13.02 AP1-X2	DDT-ZC04023	2025/03/31
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2025/04/26
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2025/09/11
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2025/03/31
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2024/07/11
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2024/07/14
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/
High Pass filter	Xi'an Xingbo	XBLBQ-GTA67	DDT-ZC02179	2025/04/22
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2025/04/22
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2025/04/22
Hochgewinn-Hornantenne	SCHWARZBEC K	BBHA 9120 D	DDT-ZC02129	2025/09/18
ELECTRIC AND MAGNETIC FIELD ANALYZER	Narda	EHP-200A	DDT-ZC01401	2024/09/20
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2025/03/31
RF cable	Yuhu Technology	JCTB810-NJ-NJ- 9M	DDT-ZC02538	2025/03/31
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ- 1.5M	DDT-ZC02762	2025/03/31
RF cable	Yuhu Technology	ZT26S-SMAJ- SMAJ-1M	DDT-ZC02037	2025/03/31

11.2. Block diagram of test setup



11.3. Limits

All restriction band should comply with 15.209 and RSS-Gen section 8.9 limits, other emission should be at least 20 dB below the fundamental.

11.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
/	/	/	/	/

11.5. Test procedure

Same with Radiated Emission except change investigated frequency range.
Remark: All restriction band have been tested, and only the worst case is shown in report.

11.6. Test result

PASS. (See below detailed test result)

11.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-17

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

11B TX 2412MHZ ant1

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

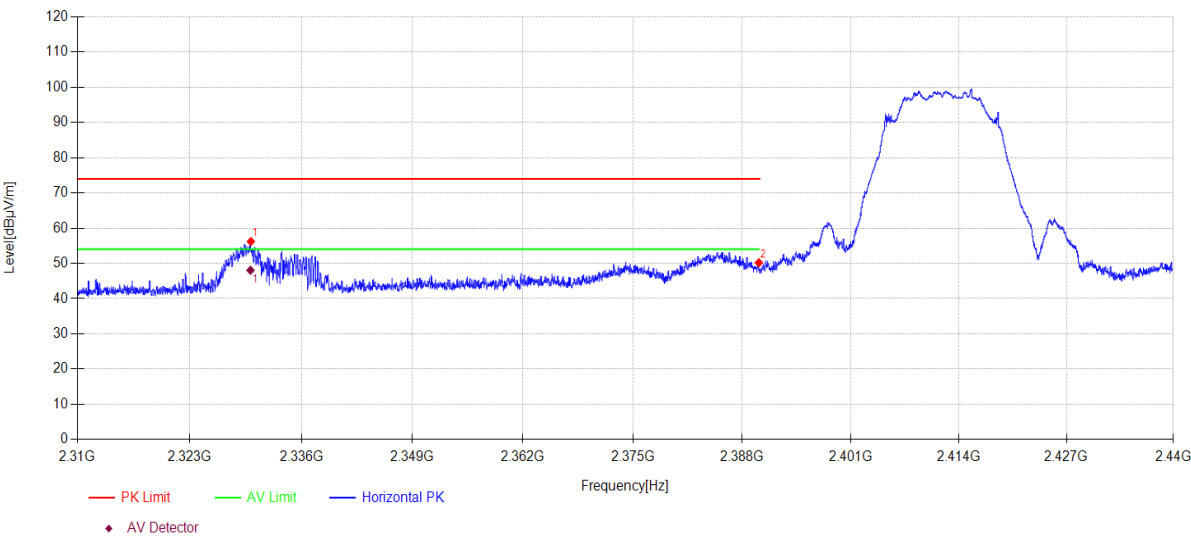
File Path:

d:\ts\2024 report data\Q24053102-2\FCC ABOVE 1G-WIFI2.4G\103

Memo:

Sample Number:S24053102-001 Power Setting:15;

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2330.111	25.72	26.98	3.53	0.00	56.23	74.00	17.77	PK	Horizontal
2	2390.000	19.37	27.26	3.57	0.00	50.20	74.00	23.80	PK	Horizontal

Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2330.067	16.27	26.98	4.80	0.00	48.05	54.0	5.95	AV	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-17

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

11B TX 2412MHZ ant1

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

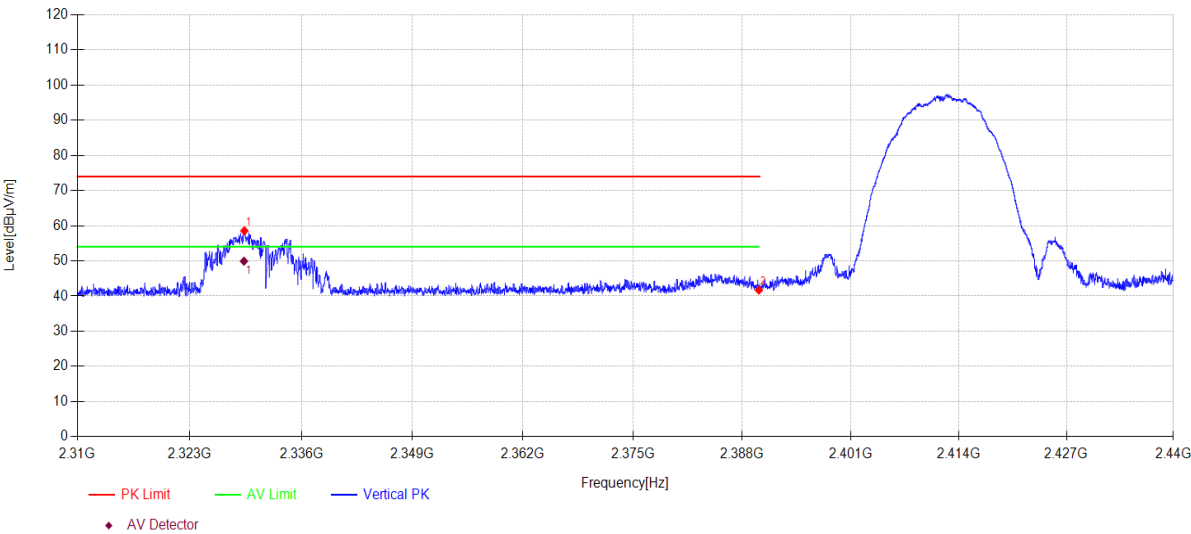
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\104

Memo:

Sample Number:S24053102-001 Power Setting:15;

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2329.357	28.06	26.98	3.53	0.00	58.57	74.00	15.43	PK	Vertical
2	2390.000	10.87	27.26	3.57	0.00	41.70	74.00	32.30	PK	Vertical

Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2329.307	18.15	26.98	4.80	0.00	49.93	54.0	4.07	AV	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-17

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

11B TX 2462MHZ ant1

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

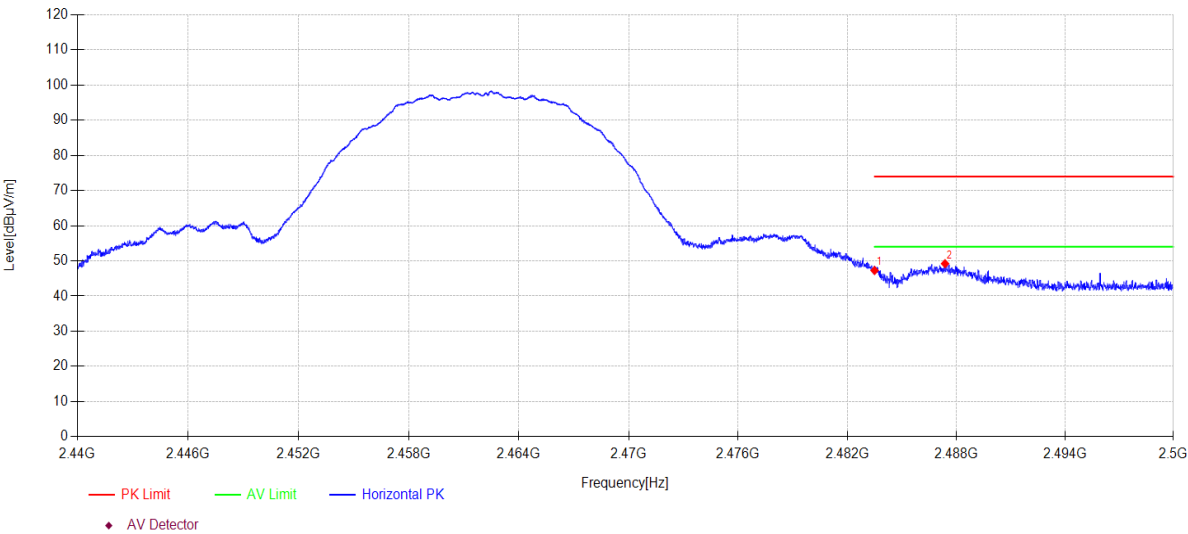
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\105

Memo:

Sample Number:S24053102-001 Power Setting:15;

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	16.13	27.53	3.62	0.00	47.28	74.00	26.72	PK	Horizontal
2	2487.382	18.04	27.55	3.62	0.00	49.21	74.00	24.79	PK	Horizontal

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-17

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

11B TX 2462MHZ ant1

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

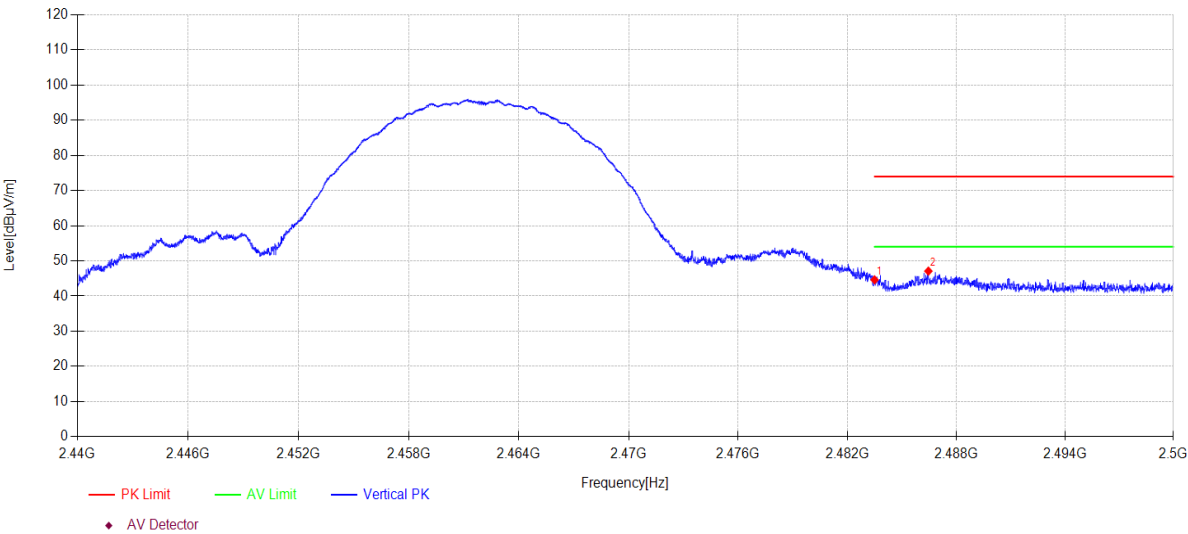
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\106

Memo:

Sample Number:S24053102-001 Power Setting:15;

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	13.47	27.53	3.62	0.00	44.62	74.00	29.38	PK	Vertical
2	2486.464	15.93	27.55	3.62	0.00	47.10	74.00	26.90	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-17

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

11B TX 2412MHZ ant2

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

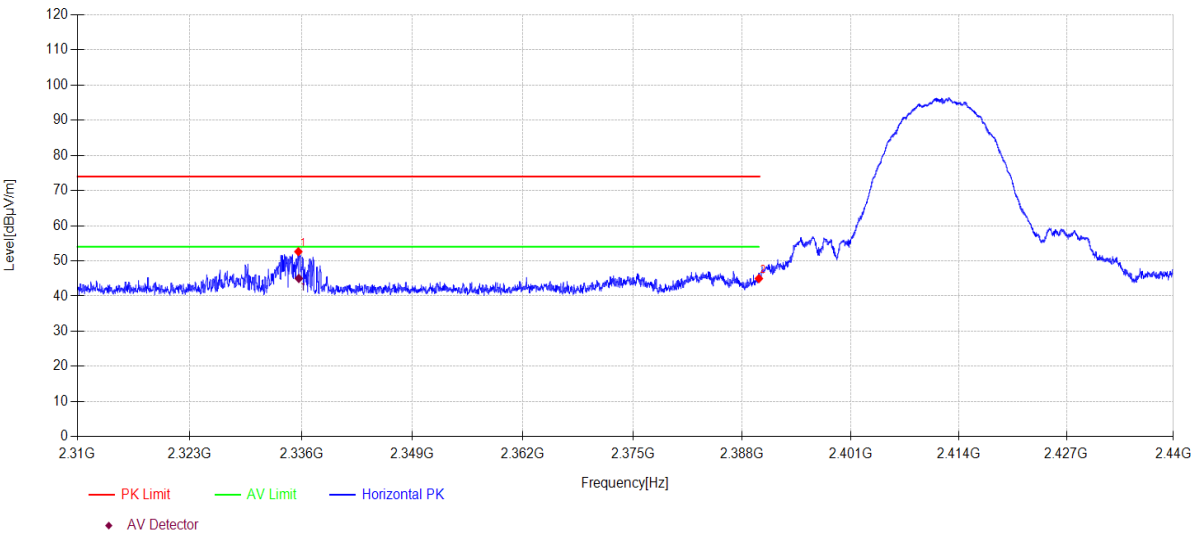
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\109

Memo:

Sample Number:S24053102-001 Power Setting:15;

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2335.649	22.08	27.01	3.54	0.00	52.63	74.00	21.37	PK	Horizontal
2	2390.000	14.15	27.26	3.57	0.00	44.98	74.00	29.02	PK	Horizontal

Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2335.695	13.20	27.01	4.80	0.00	45.01	54.0	8.99	AV	Horizontal

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-17

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

11B TX 2412MHZ ant2

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

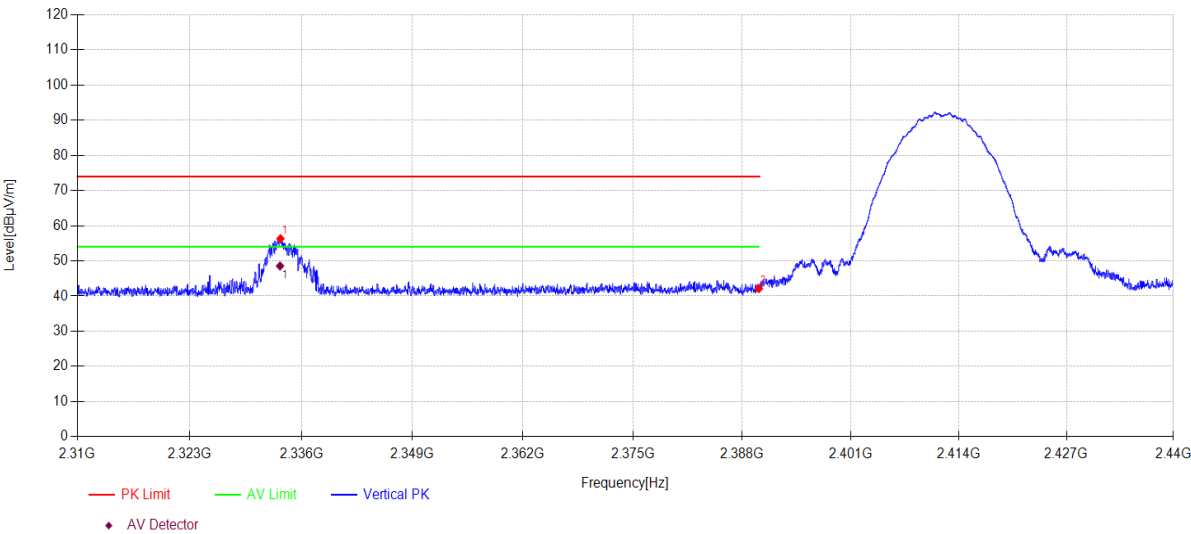
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\110

Memo:

Sample Number:S24053102-001 Power Setting:15;

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2333.556	25.78	27.00	3.54	0.00	56.32	74.00	17.68	PK	Vertical
2	2390.000	11.29	27.26	3.57	0.00	42.12	74.00	31.88	PK	Vertical

Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2333.507	16.75	27.00	4.80	0.00	48.55	54.0	5.45	AV	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-17

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

11B TX 2462MHZ ant2

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

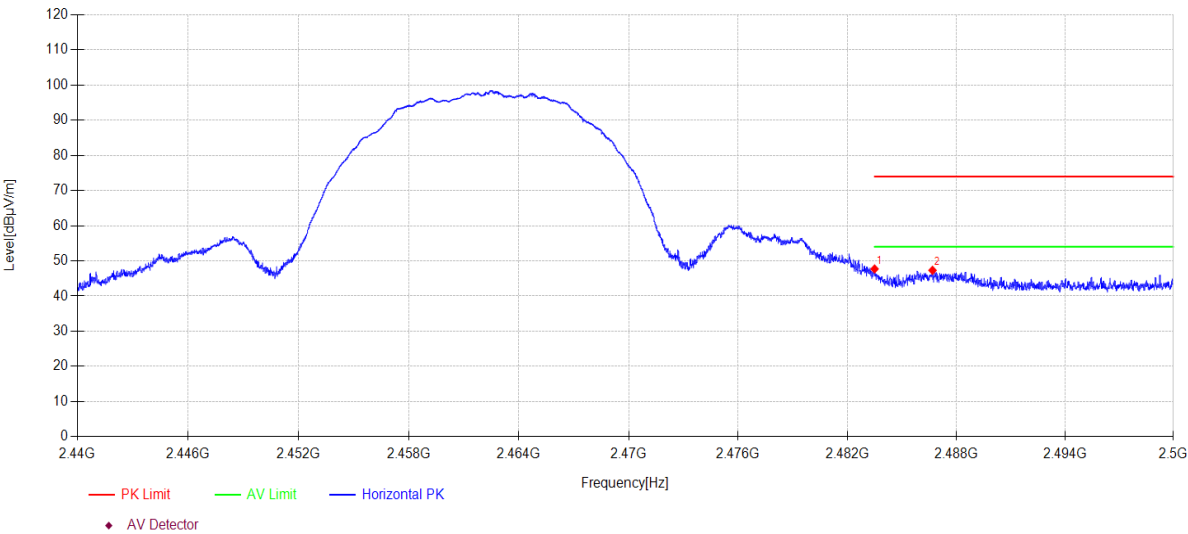
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\107

Memo:

Sample Number:S24053102-001 Power Setting:15;

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	16.56	27.53	3.62	0.00	47.71	74.00	26.29	PK	Horizontal
2	2486.692	16.15	27.55	3.62	0.00	47.32	74.00	26.68	PK	Horizontal

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-17

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

11B TX 2462MHZ ant2

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

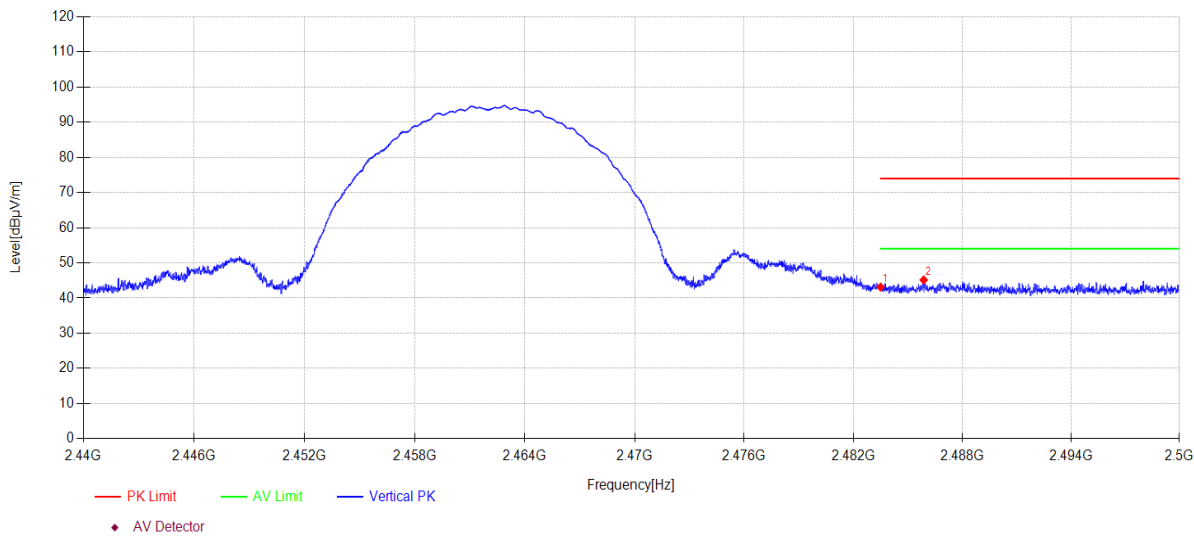
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\108

Memo:

Sample Number:S24053102-001 Power Setting:15;

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	11.97	27.53	3.62	0.00	43.12	74.00	30.88	PK	Vertical
2	2485.876	13.99	27.54	3.62	0.00	45.15	74.00	28.85	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-18

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

11G TX 2412MHZ ant1

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

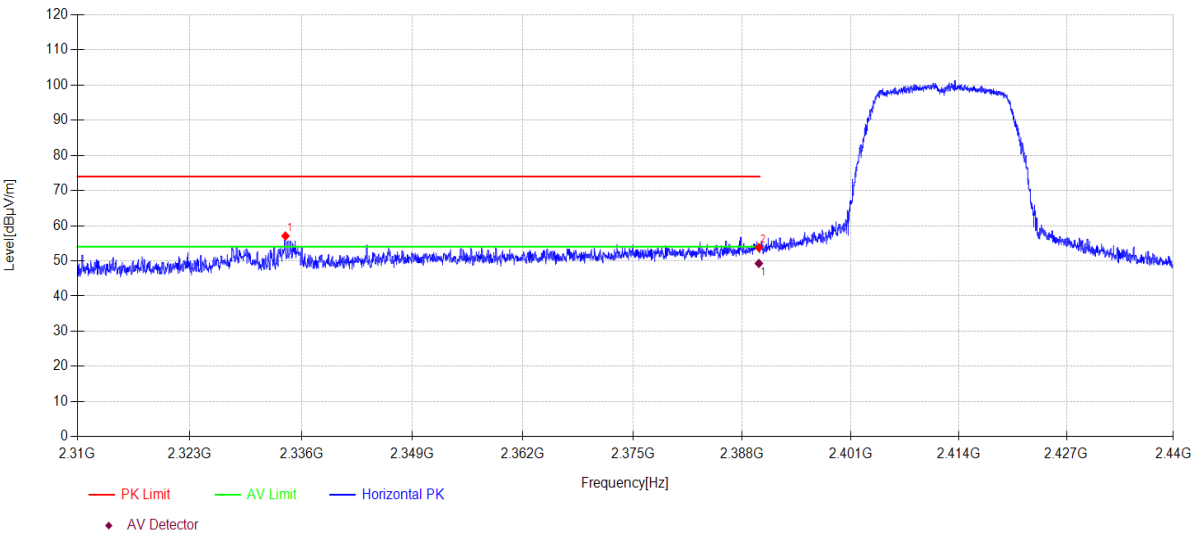
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\113

Memo:

Sample Number:S24053102-001 Power Setting:10;

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2334.141	26.54	27.00	3.54	0.00	57.08	74.00	16.92	PK	Horizontal
2	2390.000	22.97	27.26	3.57	0.00	53.80	74.00	20.20	PK	Horizontal

Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2390.000	18.45	27.26	3.57	0.00	49.28	54.0	4.72	AV	Horizontal

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-18

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

11G TX 2412MHZ ant1

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

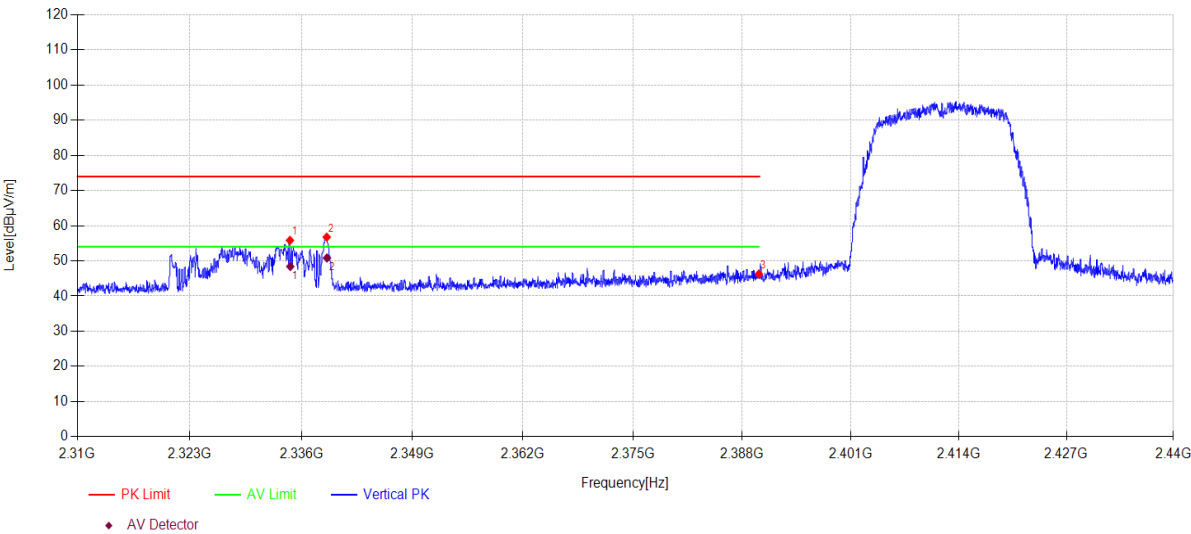
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\114

Memo:

Sample Number:S24053102-001 Power Setting:10;

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2334.661	25.29	27.01	3.54	0.00	55.84	74.00	18.16	PK	Vertical
2	2338.964	26.19	27.03	3.54	0.00	56.76	74.00	17.24	PK	Vertical
3	2390.000	15.44	27.26	3.57	0.00	46.27	74.00	27.73	PK	Vertical

Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2334.705	16.60	27.01	4.80	0.00	48.41	54.0	5.59	AV	Vertical
2	2338.985	19.01	27.03	4.80	0.00	50.84	54.0	3.16	AV	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-18

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

11G TX 2462MHZ ant1

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

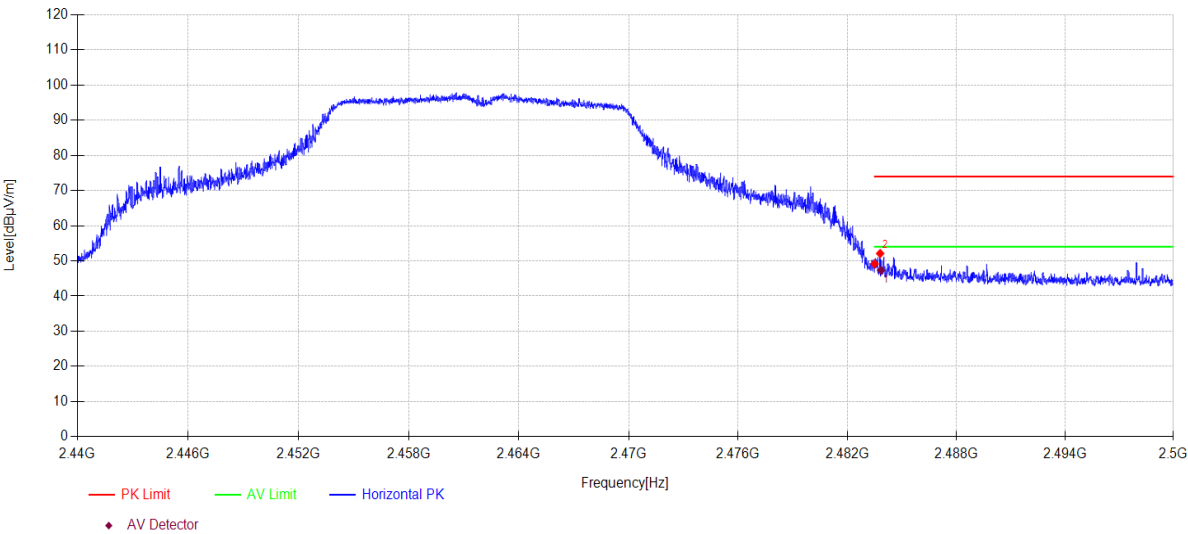
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\115

Memo:

Sample Number:S24053102-001 Power Setting:10;

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	18.00	27.53	3.62	0.00	49.15	74.00	24.85	PK	Horizontal
2	2483.806	20.94	27.54	3.62	0.00	52.10	74.00	21.90	PK	Horizontal

Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.853	14.90	27.54	4.89	0.00	47.33	54.0	6.67	AV	Horizontal

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-18

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

11G TX 2462MHZ ant1

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

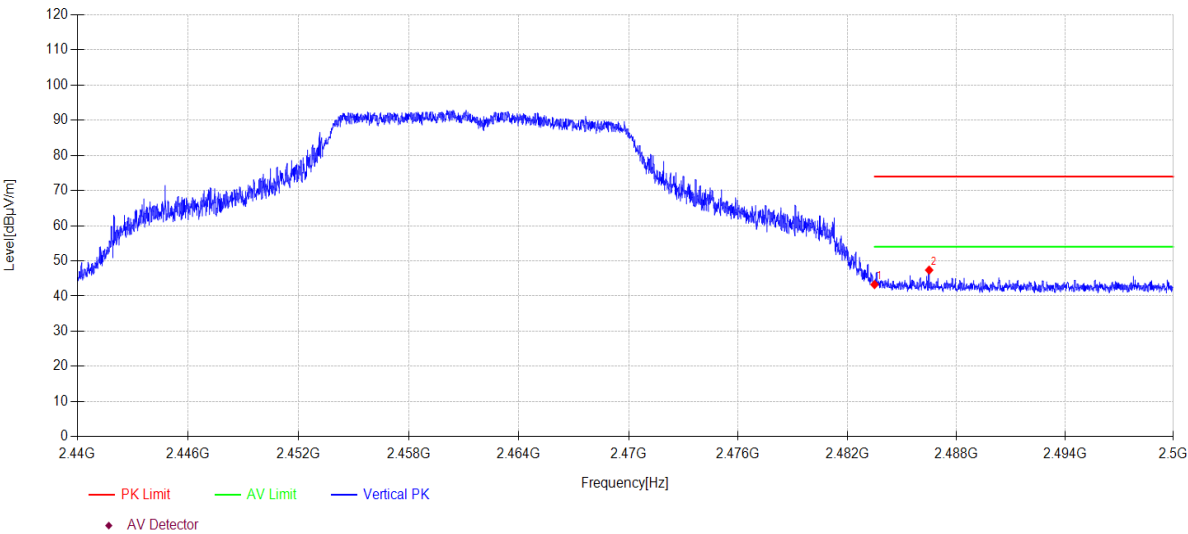
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\116

Memo:

Sample Number:S24053102-001 Power Setting:10;

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	12.13	27.53	3.62	0.00	43.28	74.00	30.72	PK	Vertical
2	2486.506	16.21	27.55	3.62	0.00	47.38	74.00	26.62	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-18

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

11G TX 2412MHZ ant2

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

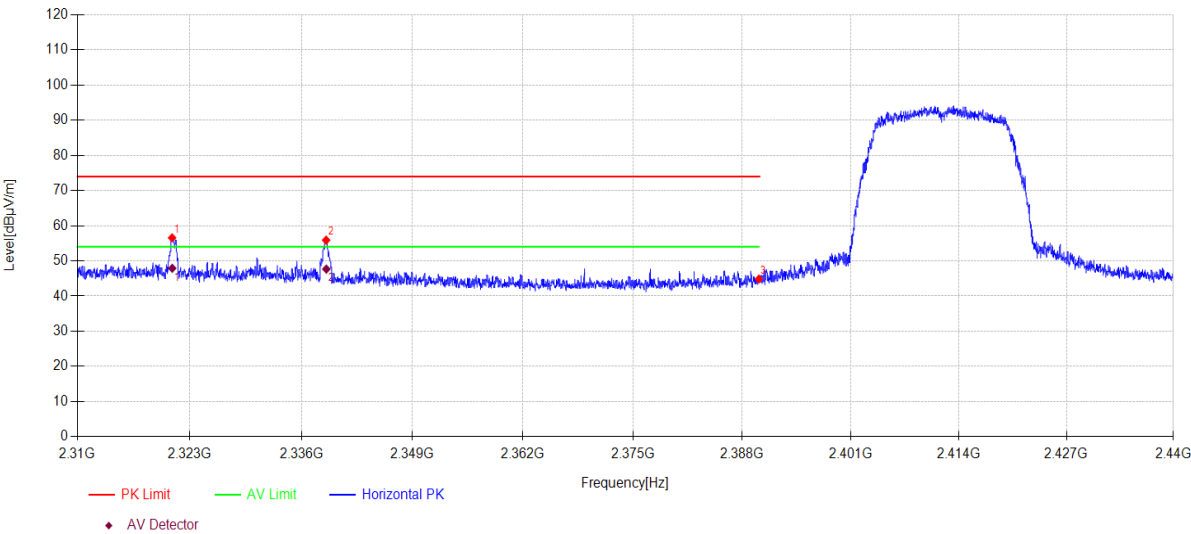
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\119

Memo:

Sample Number:S24053102-001 Power Setting:10;

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2320.959	26.10	26.93	3.53	0.00	56.56	74.00	17.44	PK	Horizontal
2	2338.886	25.33	27.03	3.54	0.00	55.90	74.00	18.10	PK	Horizontal
3	2390.000	14.01	27.26	3.57	0.00	44.84	74.00	29.16	PK	Horizontal

Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2320.978	16.18	26.93	4.79	0.00	47.90	54.0	6.10	AV	Horizontal
2	2338.912	15.84	27.03	4.80	0.00	47.67	54.0	6.33	AV	Horizontal

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-18

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

11G TX 2412MHZ ant2

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

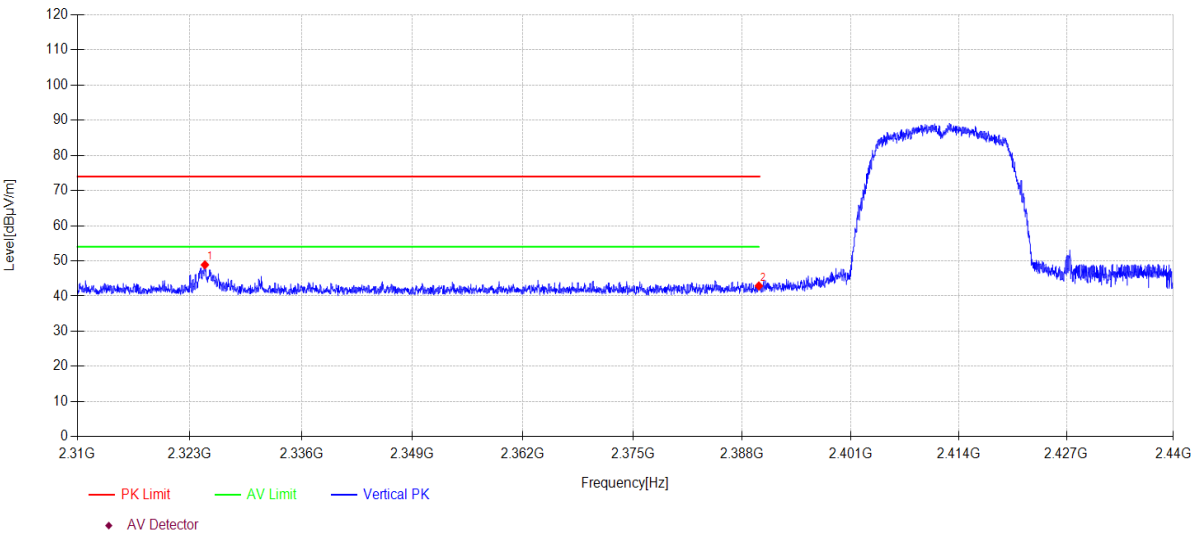
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\120

Memo:

Sample Number:S24053102-001 Power Setting:10;

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2324.768	18.40	26.95	3.53	0.00	48.88	74.00	25.12	PK	Vertical
2	2390.000	12.06	27.26	3.57	0.00	42.89	74.00	31.11	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-18

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

11G TX 2462MHZ ant2

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

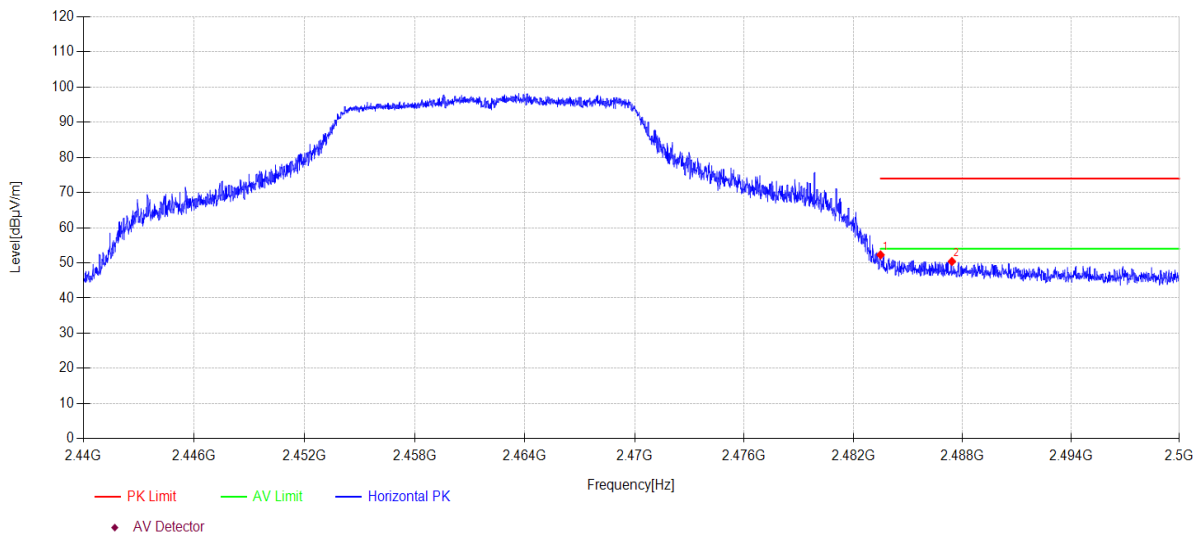
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\117

Memo:

Sample Number:S24053102-001 Power Setting:10;

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	21.13	27.53	3.62	0.00	52.28	74.00	21.72	PK	Horizontal
2	2487.430	19.24	27.55	3.62	0.00	50.41	74.00	23.59	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-18

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

11G TX 2462MHZ ant2

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

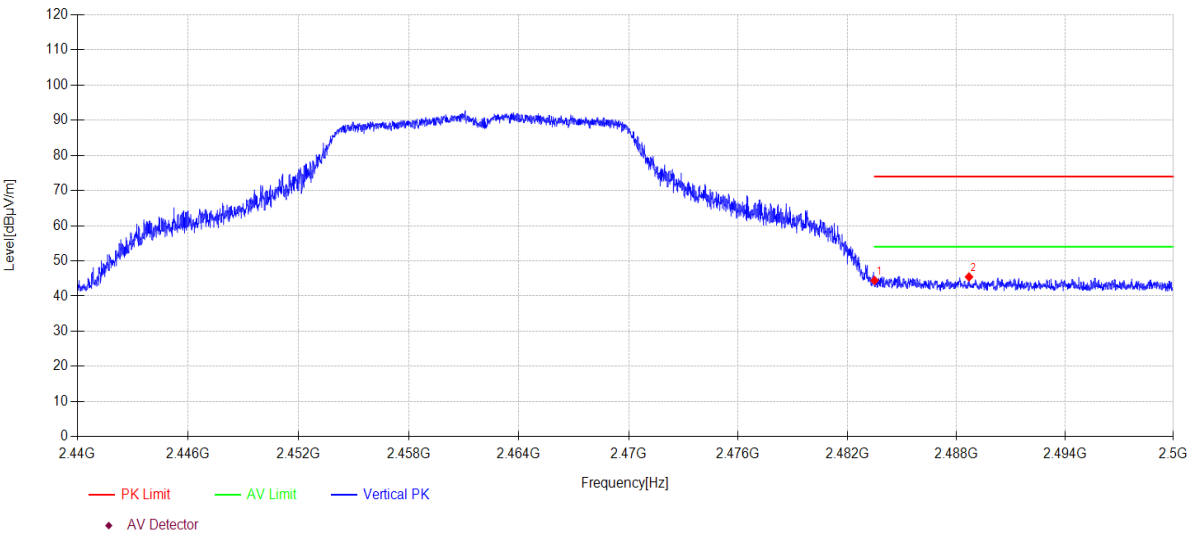
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\118

Memo:

Sample Number:S24053102-001 Power Setting:10;

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2483.500	13.29	27.53	3.62	0.00	44.44	74.00	29.56	PK	Vertical
2	2488.702	14.29	27.55	3.62	0.00	45.46	74.00	28.54	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-17

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

11N20 TX 2412MHZ

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

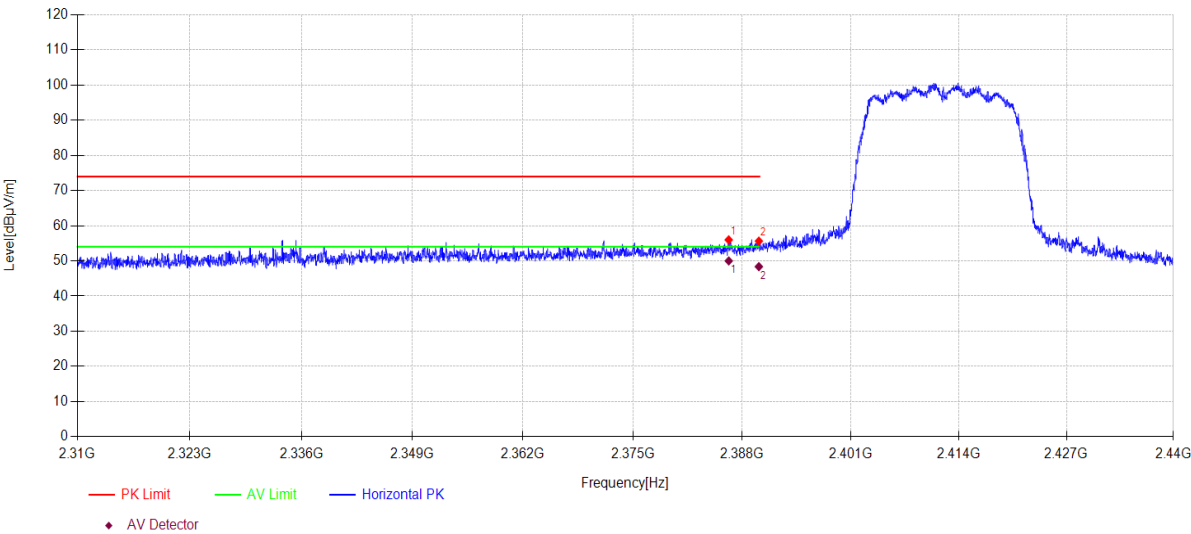
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\101

Memo:

Sample Number:S24053102-001 Power Setting:8

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2386.401	25.16	27.25	3.57	0.00	55.98	74.00	18.02	PK	Horizontal
2	2390.000	24.81	27.26	3.57	0.00	55.64	74.00	18.36	PK	Horizontal

Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2386.409	17.91	27.25	4.83	0.00	49.99	54.0	4.01	AV	Horizontal
2	2390.000	17.54	27.26	3.57	0.00	48.37	54.0	5.63	AV	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-17

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

11N20 TX 2412MHZ

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

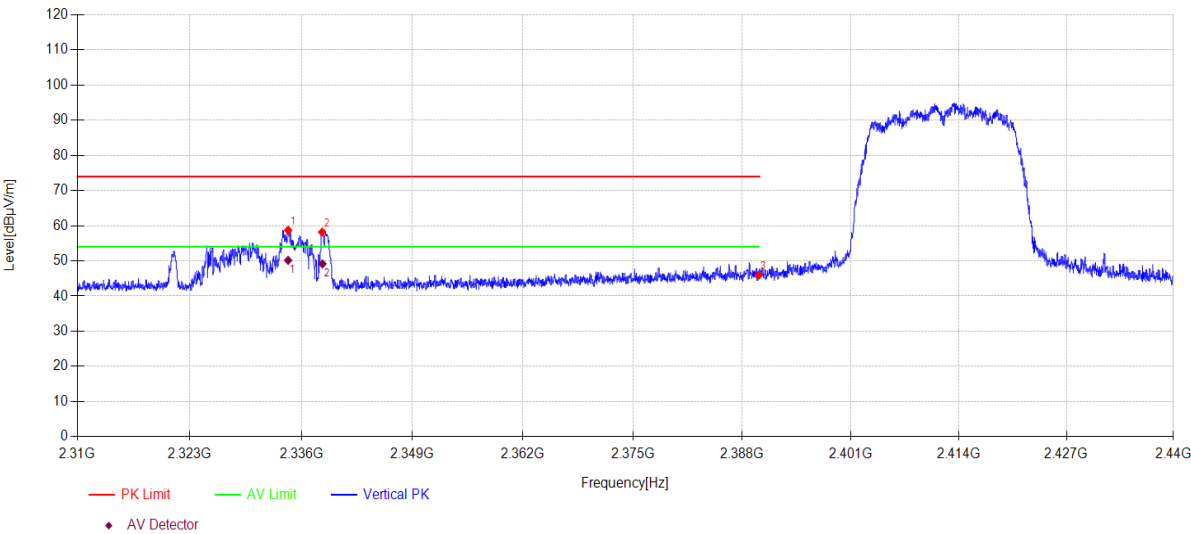
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\102

Memo:

Sample Number:S24053102-001 Power Setting:8

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2334.453	28.16	27.01	3.54	0.00	58.71	74.00	15.29	PK	Vertical
2	2338.418	27.63	27.03	3.54	0.00	58.20	74.00	15.80	PK	Vertical
3	2390.000	15.16	27.26	3.57	0.00	45.99	74.00	28.01	PK	Vertical

Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2334.450	18.34	27.01	4.80	0.00	50.15	54.0	3.85	AV	Vertical
2	2338.452	17.33	27.03	4.80	0.00	49.16	54.0	4.84	AV	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-17

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

11N20 TX 2462MHZ

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

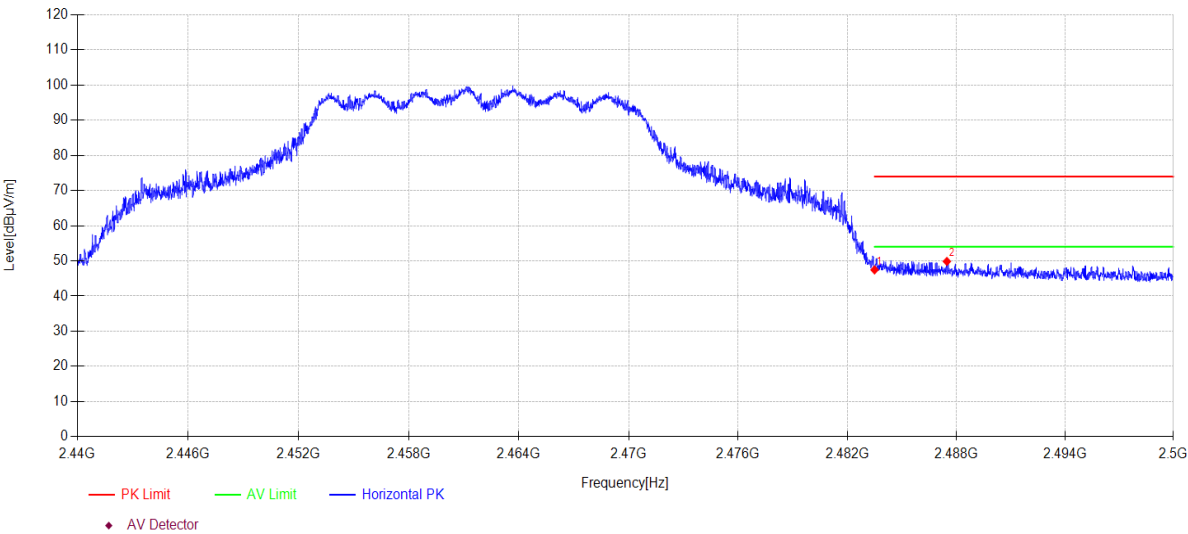
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\99

Memo:

Sample Number:S24053102-001 Power Setting:8

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	16.31	27.53	3.62	0.00	47.46	74.00	26.54	PK	Horizontal
2	2487.484	18.69	27.55	3.62	0.00	49.86	74.00	24.14	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-17

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

11N20 TX 2462MHZ

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

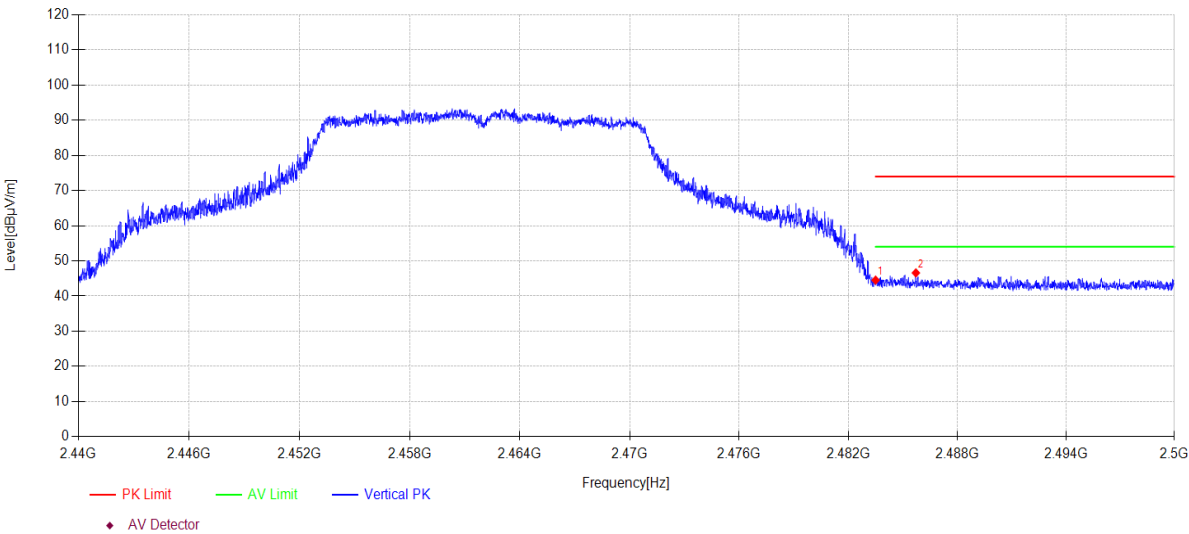
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\100

Memo:

Sample Number:S24053102-001 Power Setting:8

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	13.39	27.53	3.62	0.00	44.54	74.00	29.46	PK	Vertical
2	2485.720	15.43	27.54	3.62	0.00	46.59	74.00	27.41	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-17

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

AC20 TX 2412MHZ

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

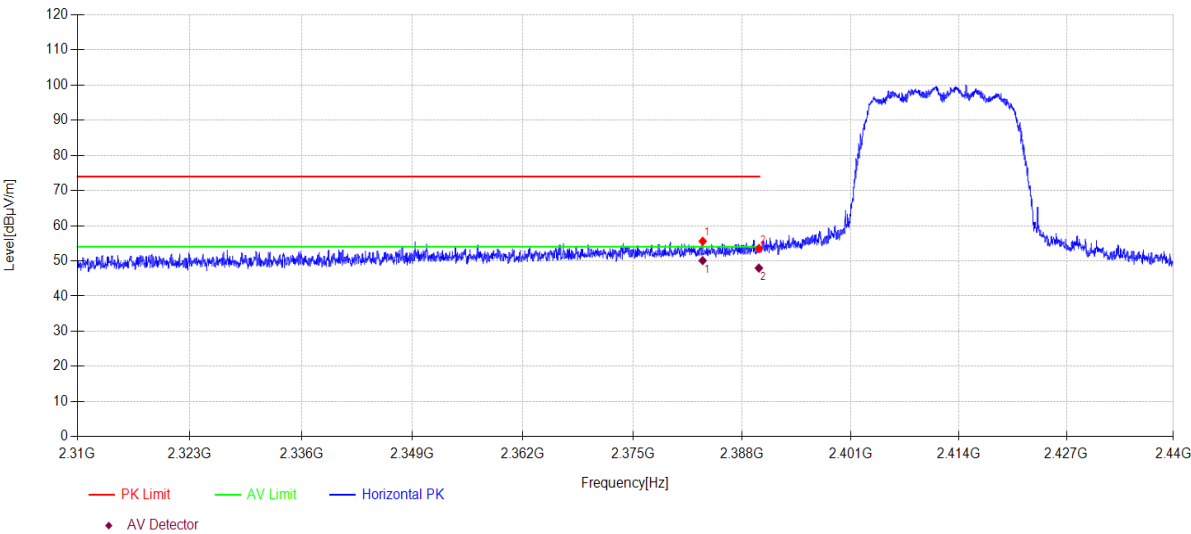
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\95

Memo:

Sample Number:S24053102-001 Power Setting:8

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2383.307	24.80	27.23	3.56	0.00	55.59	74.00	18.41	PK	Horizontal
2	2390.000	22.66	27.26	3.57	0.00	53.49	74.00	20.51	PK	Horizontal

Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2383.297	18.01	27.23	4.83	0.00	50.07	54.0	3.93	AV	Horizontal
2	2390.000	17.12	27.26	3.57	0.00	47.95	54.0	6.05	AV	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-17

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

AC20 TX 2412MHZ

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

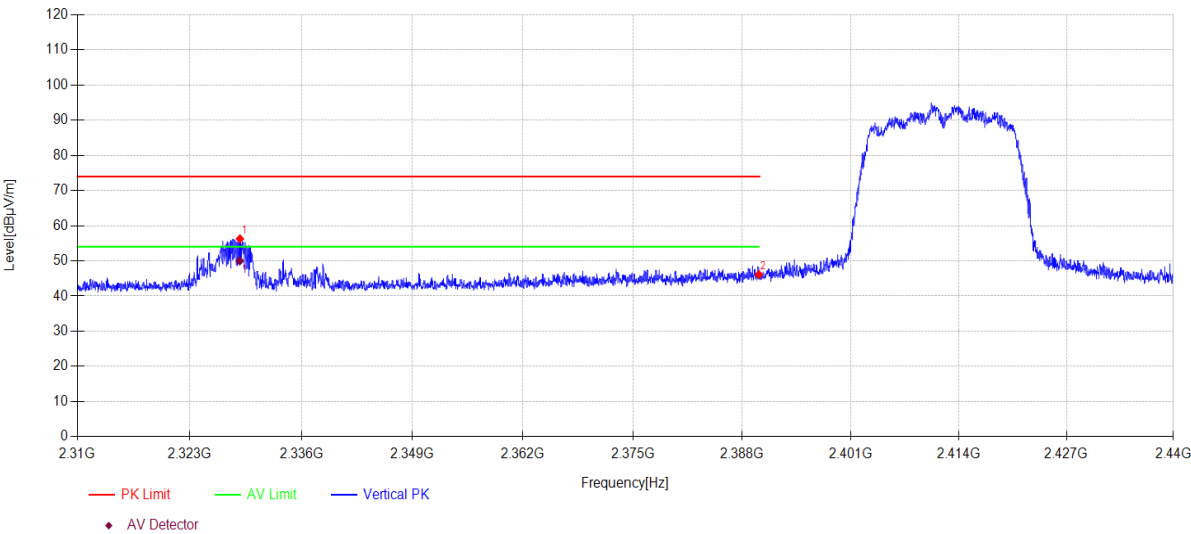
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\96

Memo:

Sample Number:S24053102-001 Power Setting:8

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2328.837	25.78	26.97	3.53	0.00	56.28	74.00	17.72	PK	Vertical
2	2390.000	15.28	27.26	3.57	0.00	46.11	74.00	27.89	PK	Vertical

Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2328.819	18.24	26.97	4.80	0.00	50.01	54.0	3.99	AV	Vertical

- Note:
- Level = Reading + Cable loss + Antenna Factor + AMP
 - If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 - Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-17

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

AC20 TX 2462MHZ

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

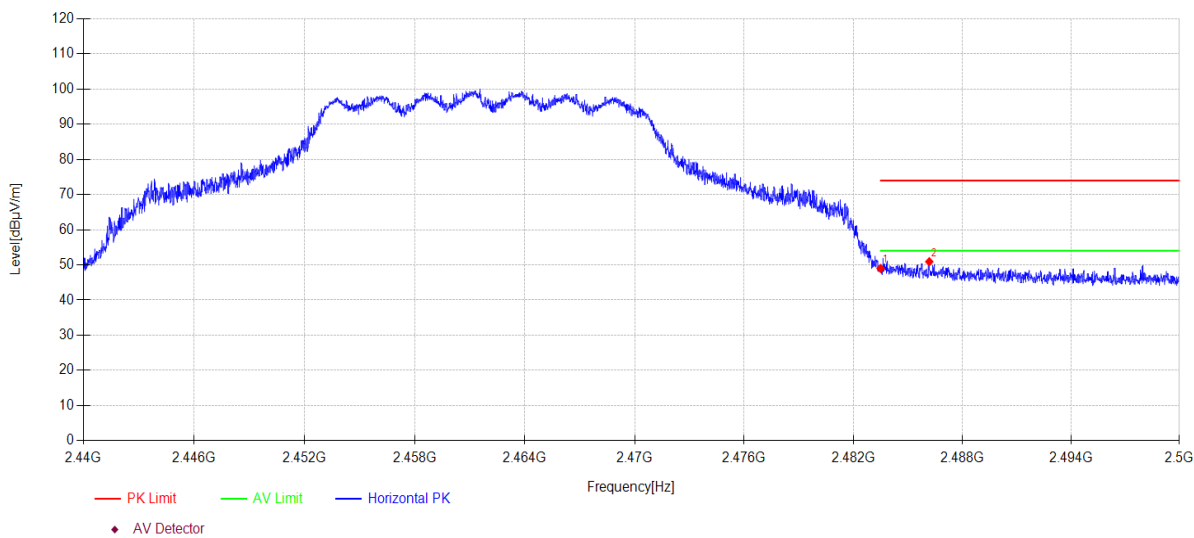
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\97

Memo:

Sample Number:S24053102-001 Power Setting:8

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	17.86	27.53	3.62	0.00	49.01	74.00	24.99	PK	Horizontal
2	2486.182	19.75	27.54	3.62	0.00	50.91	74.00	23.09	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-17

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

AC20 TX 2462MHZ

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

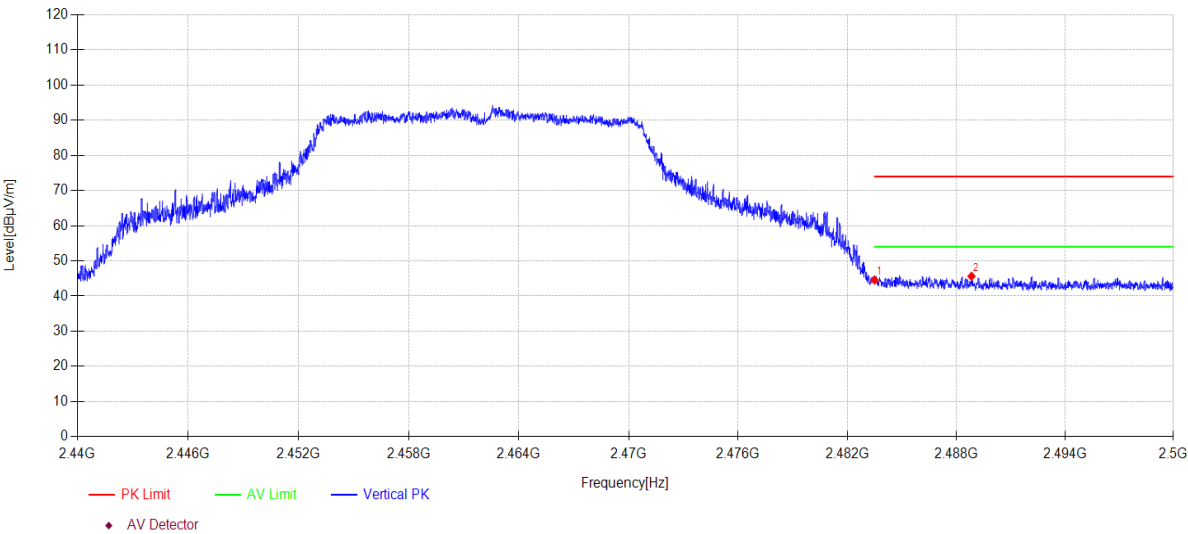
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\98

Memo:

Sample Number:S24053102-001 Power Setting:8

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2483.500	13.41	27.53	3.62	0.00	44.56	74.00	29.44	PK	Vertical
2	2488.840	14.46	27.56	3.62	0.00	45.64	74.00	28.36	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-17

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

AX20 TX 2412MHZ

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

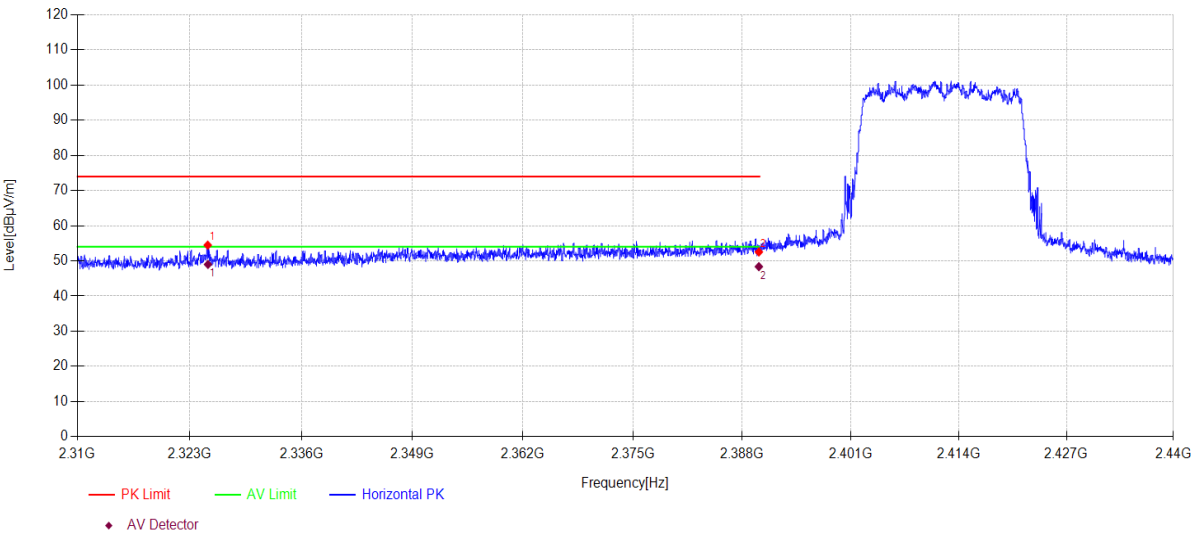
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\93

Memo:

Sample Number:S24053102-001 Power Setting:8

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2325.093	24.00	26.95	3.53	0.00	54.48	74.00	19.52	PK	Horizontal
2	2390.000	21.71	27.26	3.57	0.00	52.54	74.00	21.46	PK	Horizontal

Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2325.124	17.26	26.95	4.79	0.00	49.00	54.0	5.00	AV	Horizontal
2	2390.000	17.54	27.26	3.57	0.00	48.37	54.0	5.63	AV	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-17

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

AX20 TX 2412MHZ

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

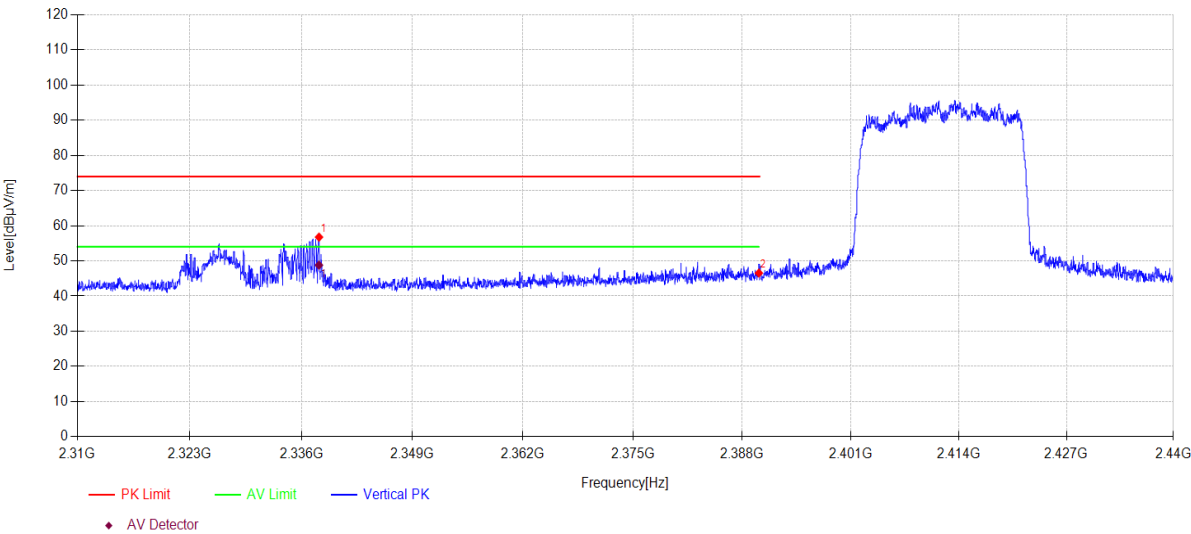
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\94

Memo:

Sample Number:S24053102-001 Power Setting:8

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2338.054	26.19	27.03	3.54	0.00	56.76	74.00	17.24	PK	Vertical
2	2390.000	15.72	27.26	3.57	0.00	46.55	74.00	27.45	PK	Vertical

Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2338.049	16.96	27.03	4.80	0.00	48.79	54.0	5.21	AV	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-17

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

AX20 TX 2462MHZ

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

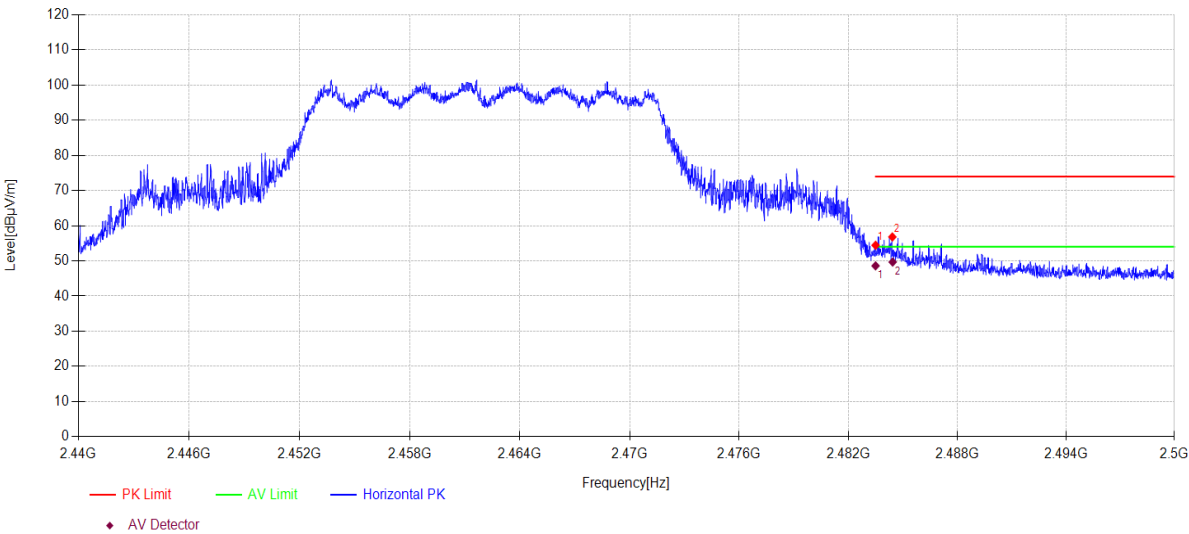
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\91

Memo:

Sample Number:S24053102-001 Power Setting:8

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	23.29	27.53	3.62	0.00	54.44	74.00	19.56	PK	Horizontal
2	2484.424	25.65	27.54	3.62	0.00	56.81	74.00	17.19	PK	Horizontal

Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	17.45	27.53	3.62	0.00	48.60	54.0	5.40	AV	Horizontal
2	2484.441	17.23	27.54	4.90	0.00	49.67	54.0	4.33	AV	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-17

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

AX20 TX 2462MHZ

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

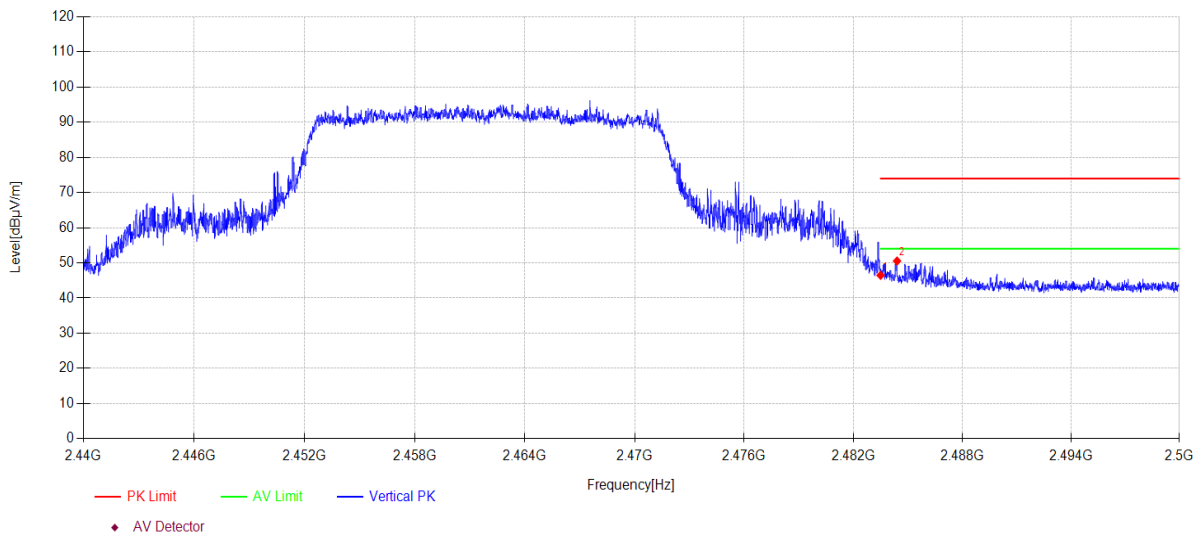
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\92

Memo:

Sample Number:S24053102-001 Power Setting:8

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	15.31	27.53	3.62	0.00	46.46	74.00	27.54	PK	Vertical
2	2484.406	19.37	27.54	3.62	0.00	50.53	74.00	23.47	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-18

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

N40 TX 2422MHZ

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

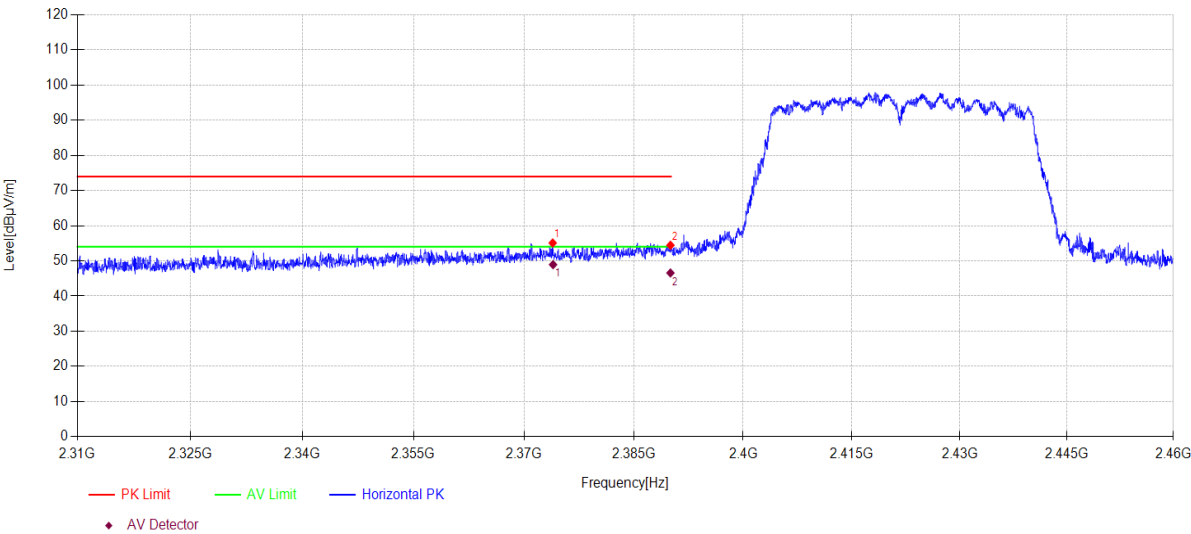
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\135

Memo:

Sample Number:S24053102-001 Power Setting:8

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2373.900	24.33	27.20	3.56	0.00	55.09	74.00	18.91	PK	Horizontal
2	2390.000	23.61	27.26	3.57	0.00	54.44	74.00	19.56	PK	Horizontal

Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2373.950	16.91	27.20	4.83	0.00	48.94	54.0	5.06	AV	Horizontal
2	2390.000	15.75	27.26	3.57	0.00	46.58	54.0	7.42	AV	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-18

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

N40 TX 2422MHZ

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

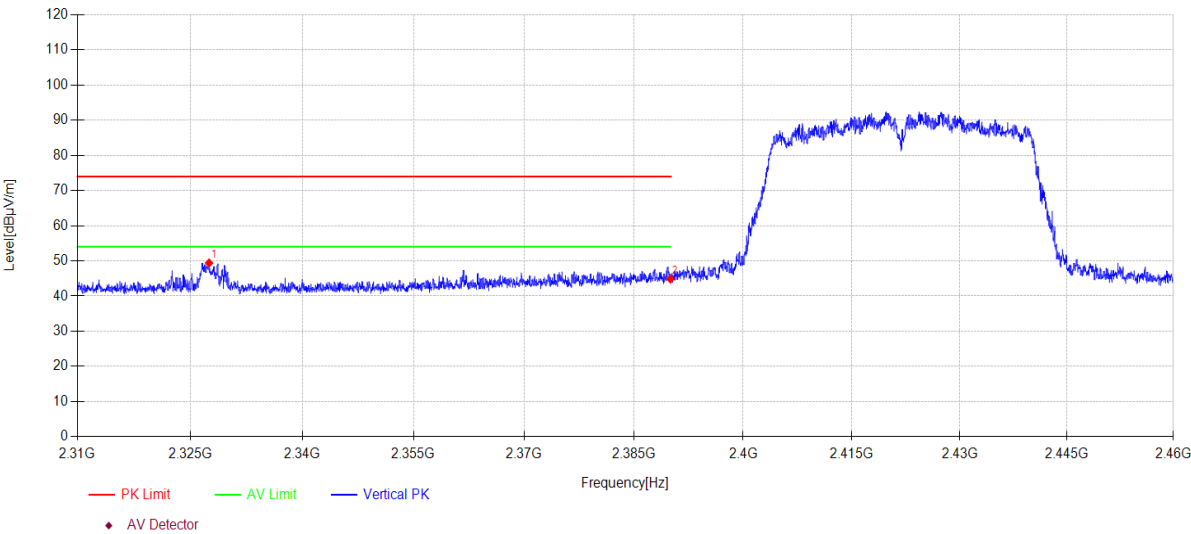
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\136

Memo:

Sample Number:S24053102-001 Power Setting:8

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2327.535	18.92	26.97	3.53	0.00	49.42	74.00	24.58	PK	Vertical
2	2390.000	14.02	27.26	3.57	0.00	44.85	74.00	29.15	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-18

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

N40 TX 2452MHZ

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

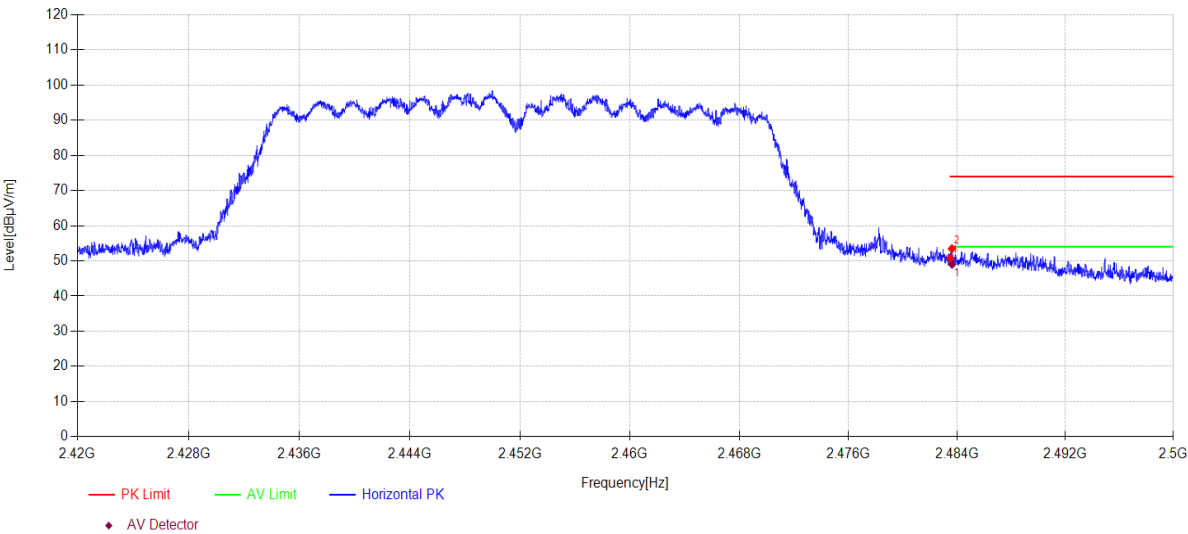
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\133

Memo:

Sample Number:S24053102-001 Power Setting:8

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2483.500	19.59	27.53	3.62	0.00	50.74	74.00	23.26	PK	Horizontal
2	2483.624	22.31	27.53	3.62	0.00	53.46	74.00	20.54	PK	Horizontal

Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2483.641	16.63	27.53	4.89	0.00	49.05	54.0	4.95	AV	Horizontal

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-18

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

N40 TX 2452MHZ

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

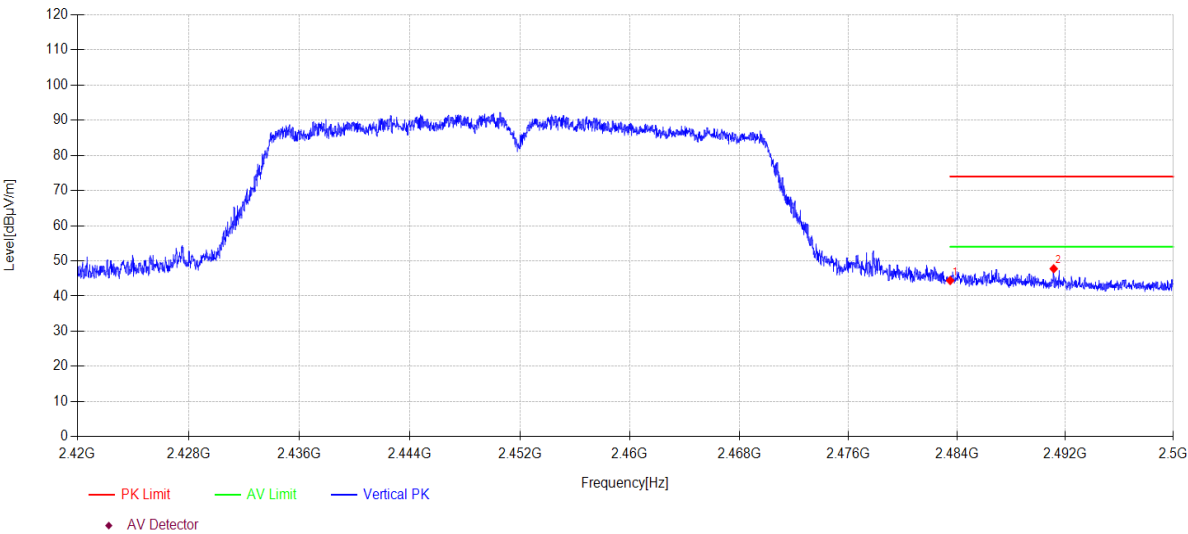
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\134

Memo:

Sample Number:S24053102-001 Power Setting:8

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2483.500	13.28	27.53	3.62	0.00	44.43	74.00	29.57	PK	Vertical
2	2491.144	16.58	27.56	3.63	0.00	47.77	74.00	26.23	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-18

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

AC40 TX 2422MHZ

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

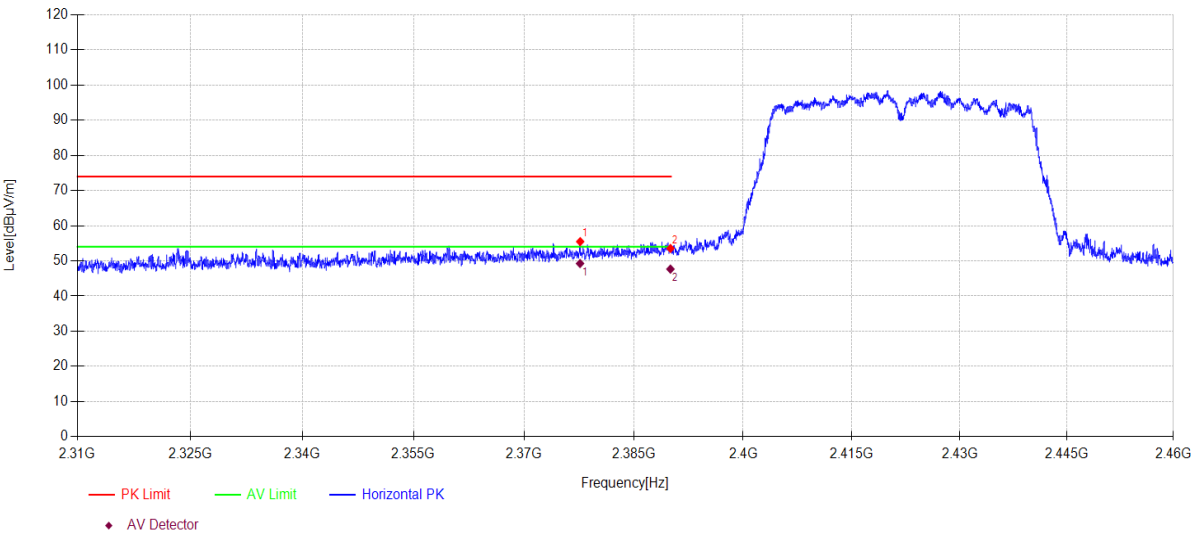
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\129

Memo:

Sample Number:S24053102-001 Power Setting:8

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2377.650	24.71	27.21	3.56	0.00	55.48	74.00	18.52	PK	Horizontal
2	2390.000	22.71	27.26	3.57	0.00	53.54	74.00	20.46	PK	Horizontal

Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2377.627	17.22	27.21	4.83	0.00	49.26	54.0	4.74	AV	Horizontal
2	2390.000	16.84	27.26	3.57	0.00	47.67	54.0	6.33	AV	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-18

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

AC40 TX 2422MHZ

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

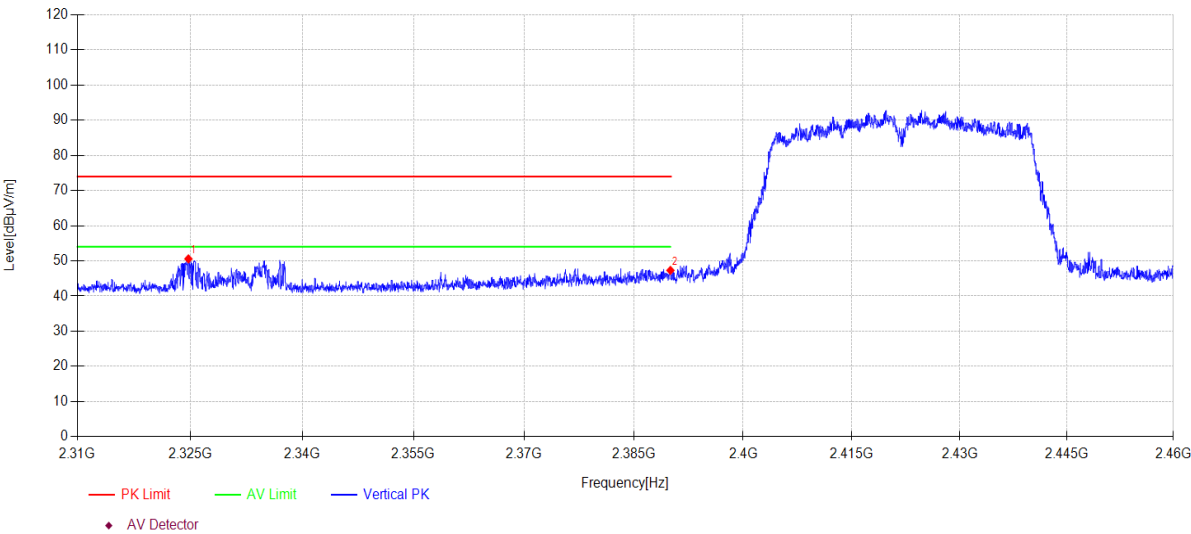
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\130

Memo:

Sample Number:S24053102-001 Power Setting:8

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2324.775	20.09	26.95	3.53	0.00	50.57	74.00	23.43	PK	Vertical
2	2390.000	16.47	27.26	3.57	0.00	47.30	74.00	26.70	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-18

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

AC40 TX 2452MHZ

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

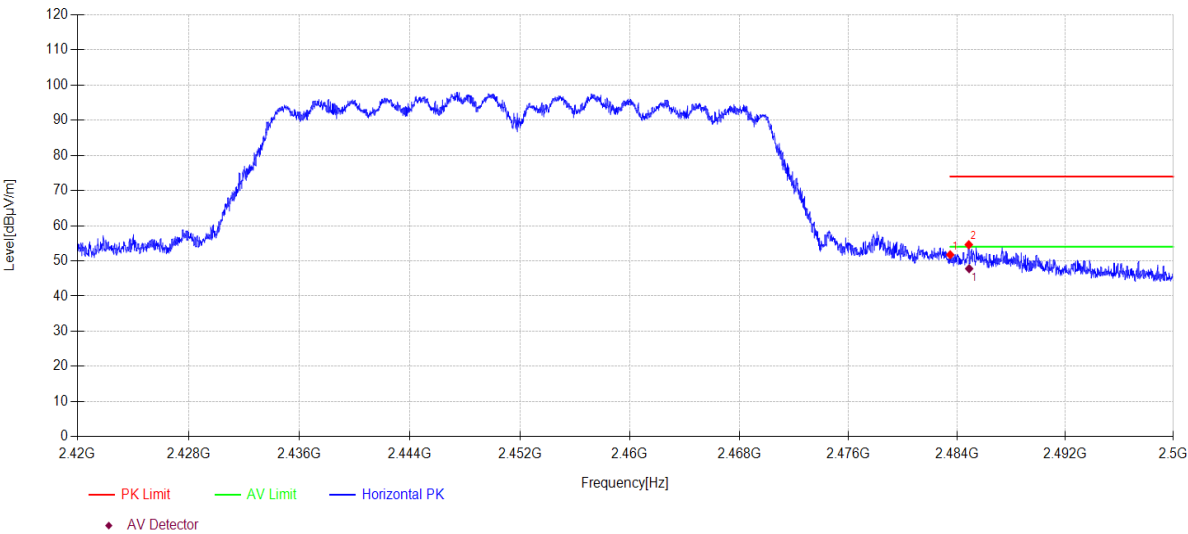
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\131

Memo:

Sample Number:S24053102-001 Power Setting:8

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	20.60	27.53	3.62	0.00	51.75	74.00	22.25	PK	Horizontal
2	2484.872	23.44	27.54	3.62	0.00	54.60	74.00	19.40	PK	Horizontal

Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2484.898	15.35	27.54	4.90	0.00	47.79	54.0	6.21	AV	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-18

Tested By:

Genliu

EUT:

Module

Model Number:

SKI.WB921AU.1

Test Mode:

AC40 TX 2452MHZ

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:51.0%

Test Site:

DDT 3# Chamber

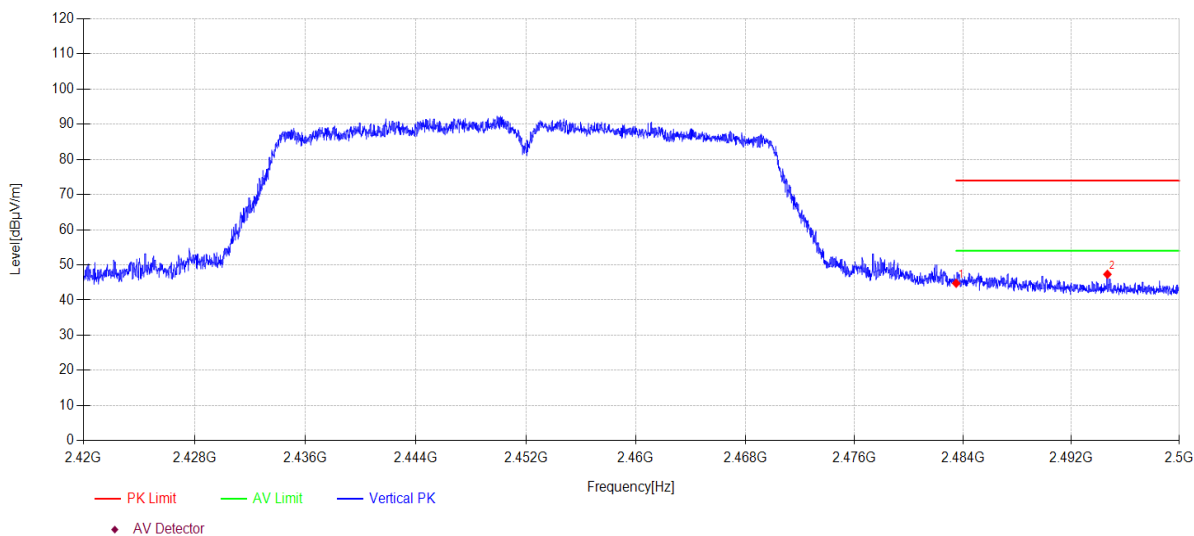
File Path:

d:\ts\2024 report data\Q24053102-2E\FCC ABOVE 1G-WIFI2.4G\132

Memo:

Sample Number:S24053102-001 Power Setting:8

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2483.500	13.62	27.53	3.62	0.00	44.77	74.00	29.23	PK	Vertical
2	2494.672	16.11	27.58	3.63	0.00	47.32	74.00	26.68	PK	Vertical

Note:

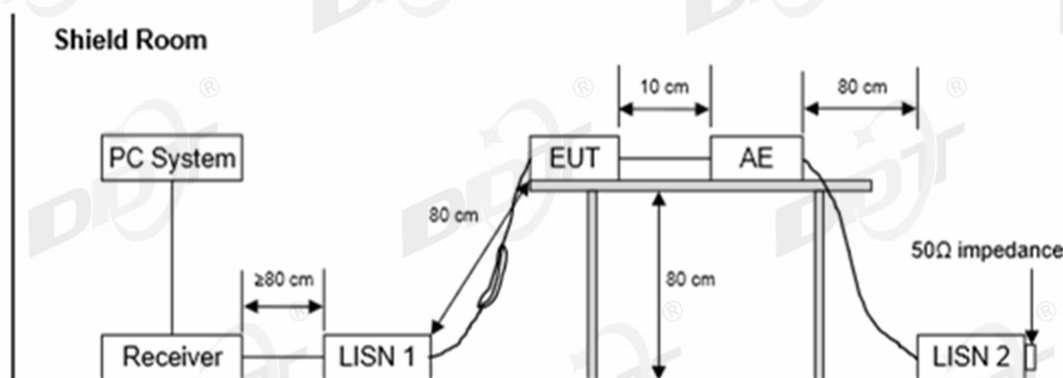
- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

12.Power Line Conducted Emissions

12.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
Δ -shaped artificial power network	SCHWARZBEC K	PVDC 8301	DDT-ZC03939	2025/04/01
Pulse Limiter	SCHWARZBEC K	VTSD 9561	DDT-ZC02128	2024/07/14
EMI Test Receiver	R&S	ESCI/E3	DDT-ZC01297	2024/07/11
Conducted Radiated Software	Audix	E3	DDT-ZC00562	/
Two Line V-Network	R&S	ENV216	DDT-ZC02056	2024/07/11
RF Cable	Yuhu Technology	Z806-NJ-NJ-6M	DDT-ZC02004	2024/07/14
Three-phase artificial power network	SCHWARZBEC K	NSLK 8163	DDT-ZC01572	2024/07/11
Two Line V-Network	R&S	ENV216	DDT-ZC02059	2024/07/11

12.2. Block diagram of test setup



12.3. Limits

Frequency	Quasi-Peak Level dB(mV)	Average Level dB(mV)
150 kHz~500 kHz	66 ~ 56*	56 ~ 46*
500 kHz~5 MHz	56	46
5 MHz~30 MHz	60	50

Note 1: * Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.

12.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
/	/	/	/	/

12.5. Test procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80cm above the ground plane.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30 MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in clause 2.4 were scanned during the preliminary test.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 kHz.

12.6. Test result

N/A

Measurements to demonstrate compliance with the conducted limits are not required for devices which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines.

14. Photos of the EUT

Please refer to DDT-Q24053102-1E appendix I

-----End Report-----