

FCC ID : FI5-RV501 Report No.: TMHY2109000316YE

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FCC TEST REPORT ICES-003 TEST REPORT

: TM-2109000307P Project No.

: MICHELIN NORTH AMERICA (US) INC. Applicant

MICHELIN NORTH AMERICA (CANADA) INC.

: One Parkway South, Greenville, South Carolina 29615, United Address

States

2863 Granton Road New Glasgow NS B2H 5C6 Canada

Manufacturer : MFP MICHELIN

: 23 Place des Carmes-Deschaux - 63040 Clermont-Fd Cedex9 -Address

France

Equipment Under Test (EUT):

Product Name : MEMS EVOLUTION 4TRANSCEIVER

Brand Name : MICHELIN : RV5-01 Model No. Added Model(s) : N/A

: 47 CFR FCC Part 15 Subpart B (Class A) Standards

ICES-003 Issue 7: October 2020 (Class A)

Date of Sample Receipt: Sep. 28, 2021

Date of Test : Nov. 18 ~ 19, 2021

Date of Issue : Dec. 24, 2021

Test Result : **PASS**

In the configuration tested, the EUT complied with the standards specified above. Remarks:

This report details the results of the testing carried out on one sample, the results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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Approved By

Eddy Cheng (Asst. Supervisor)

Date

Dec. 24, 2021





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Revision History				
Revision Report Number Description Issue Date				
00	TMHY2109000316YE	Original. See the following note Rev.(00)	Dec. 24, 2021	

Note:

Rev.(00):

1. All test data based on MH/2021/30146, just modify the report number and mode number, because they are the mutual support unit, the same test method and test configuration.

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1. General Information

1.1 Applicant & Manufacturer Information

. MICHELIN NORTH AMERICA (US) INC. Applicant

MICHELIN NORTH AMERICA (CANADA) INC.

One Parkway South, Greenville, South Carolina 29615, Address of Applicant

United States

2863 Granton Road New Glasgow NS B2H 5C6

Canada

. MFP MICHELIN Manufacturer

Address of Manufacturer: 23 Place des Carmes-Deschaux - 63040 Clermont-Fd

Cedex9 - France

1.2 General Description of EUT

Product Name : MEMS EVOLUTION 4TRANSCEIVER

Brand Name : MICHELIN

Model No. : RV5-01

Added Model(s): N/A Model Difference: N/A

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1.3 Details of EUT

Power Supply : DC 24V

. Mode 1. EUT Full System + WiFi 5G Link + LAN + Modes/Function

Mode 2. EUT Full System + WiFi 5G Idle + LAN +

Mode 3. EUT Full System + WiFi 2.4G Link + LAN

+ DC24V

Mode 4. EUT Full System + WiFi 2.4G Idle + LAN

+ DC24V

Worst case : CE Worst case : N/A

Below 1GHz RE Worst case : Mode 3

Above 1GHz RE Worst case : Mode 3

Highest internal frequency : 5825MHz

Adapter : N/A

1.4 Description of Support Units

PRODUCT	MANUFACTURER	MODEL NO.	SERIAL NO.
AP	ASUS	RT-AX88U	KAITHP000135
Notebook	DELL	P56F	59WSJ72
USB Flash	Kingston	DTSE9H/16GB	C4525-305A00LR

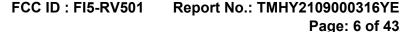
Support Equipment Used in Tested Cable

Cable Type	Core	Length	Shielding/Non-shielding
Can1 cable	N/A	0.2m	Non-shielding
Data cable	N/A	5m	Non-shielding
RS232 cabie	N/A	1.4m	Non-shielding
DC power cable	Near EUT	1.5m	Non-shielding

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1.5 Operation Procedure

1. Connect the I/O of the host to the corresponding patch cord:

CAN 1 connect to Terminal.

CAN 2/3 connect to CAN LOAD BOX,

RS232 adapter cable hanging wire,

M12 to RJ45 Cable connect to AP ROUNTER,

USB plug in USB Flash

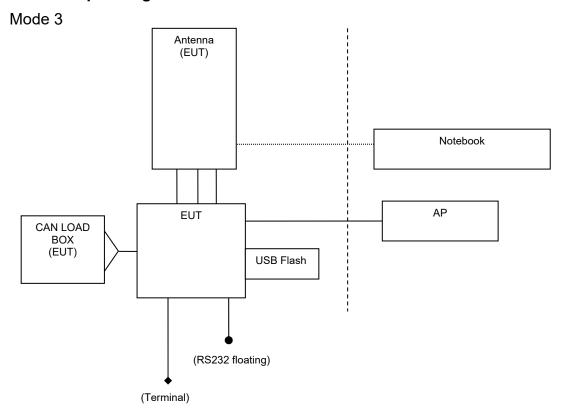
Power Cable connect to DC24V and turn it on.

- 2. NB WiFi link EUT (host), NB ping EUT IP (200.200.200.128).
- 3. NB opens the web page (200.200.200.128), the page is set to WiFi 2.4G, after the setting is complete, click SEND.
- 4. PC connects to AP ROUNTER, PC ping EUT IP (192.168.1.5).
- Start the test.

1.6 Accessories Cable List

Cable Type	Core	Length	Category	Shielding/Non-shielding
Antenna cable	N/A	7m	N/A	Non-shielding

1.7 Test Set-Up Configuration



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1.8 Measurement Procedure

Conducted Emission Testing was performed according to ANSI C63.4:2014 in a shielded room with peripherals placed on a table, 0.8m high over a metal floor. It was located more than required distance away from the shielded room wall.

Radiated Emission Testing was performed according to ANSI C63.4:2014 at the 3/10m semi-anechoic chamber. The EUT was placed on a 0.8m high table along with the peripherals. The turn table was placed 3/10m distance from the antenna. Cables were placed in a position to produce maximum emissions as determined by experimentation, and operation mode was selected for production of maximum emission.

The frequency and amplitude of the worse emissions were measured at varying azimuths, antenna heights and antenna polarities. Maximum emission levels are then reported.

1.9 Standards Applicable for Testing

Tests to be carried out under 47 CFR FCC Part 15 Subpart B/CISPR 22/ICES-003

10010 10 20 0411104 041 411401 11 01 11 1 00 1 411 10 042 pail 27 0101 11 22/1020 0		
Test Standards	Status	
47 CFR FCC Part 15 Subpart B		
CISPR 22	Applicable	
ICES-003		
Deviation from Standard	No deviation	

1.10 Decision Rules of Results

Reported measurement data comply with 47 CFR FCC Part 15 Subpart B and ICES-003.

Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

1.11 Summary of Results

Standard	Test Type	Result
47 CFR FCC Part 15 Subpart B (Class A)	Conducted Emission	N/A
ICES-003 Issue 7 : October 2020 (Class A)	Radiated Emission	PASS

1.12 Reporting Statements of Conformity

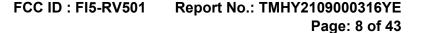
The conformity statement in this report is based solely on the test results, measurement uncertainty is excluded.

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1.13 Test Facility

Laboratory	SGS Taiwan Ltd. Electromagnetic Compatibility Lab		
Test Site	No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan		
FCC Designation Number	TW1124		

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2. EMISSION

2.1 Test Results

Conducted Emission	N/A	
Radiated Emission	Pass	

2.2 Frequency Range

47 CFR FCC Part 15 Subpart B:

Conducted Emission : 150 kHz - 30 MHz
Radiated Emission : See below table

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30
1.705 - 108	1000
108 - 500	2000
500 - 1000	5000
Above 1000	5th harmonic of the highest frequency or 40 GHz, whichever is lower.

ICES-003:

Conducted Emission : 150 kHz - 30 MHz

Radiated Emission : 30 MHz to 5thharmonic of the highest frequency or 40GHz,

whichever is lower.

Highest internal frequency (Fx)	Highest measurement frequency	
<i>F</i> _X ≤ 108 MHz	1 GHz	
108 MHz < <i>F</i> _X ≤ 500 MHz	2 GHz	
500 MHz < <i>F</i> _X ≤ 1 GHz	5 GHz	
<i>F</i> _X > 1 GHz	5 x F _X up to a maximum of 40 GHz	

Note: F_X is the highest fundamental frequency generated and/or used in the ITE or digital apparatus under test.

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2.3 Limits of Conducted and Radiated Emission

2.3.1 Limits of Conducted Emission

47 CFR FCC Part 15 Subpart B:

FREQUENCY	Class A (dBuV)		Class B (dBuV)	
(MHz)	Quasi-peak	Average	Quasi-peak	Average
0.15 - 0.5	79	66	66 - 56	56 - 46
0.5 - 5	73	60	56	46
5.0 - 30	73	60	60	50

Note: (1) The lower limit shall apply at the transition frequencies.

- (2) The limit decreases linearly with the logarithm of the frequency in the range 0.15 to 0.50 MHz.
- (3) All emanation from a class A/B digital device or system, including any network of conductors and apparatus connected there to, shall not exceed the level of field strengths specified above.

ICES-003:

FREQUENCY	Class A	(dBuV)	Class B (dBuV)		
(MHz)	Quasi-peak	Average	Quasi-peak	Average	
0.15 - 0.5	79	66	66 - 56*	56 - 46*	
0.5 - 5	73	60	56	46	
5.0 - 30	73	60	60	50	

Note: The more stringent limit applies at transition frequencies.

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^{*.} The limit level in dBµV decreases linearly with the logarithm of frequency.



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2.3.2 Limits of Radiated Emissions

47 CFR FCC Part 15 Subpart B Limit:

Detector Function : Quasi – Peak

FREQUENCY	Class A (at 10 m)	Class B (at 3 m)
(MHz)	dBuV/m	dBuV/m
30~88	39	40
88~216	43.5	43.5
216~960	46.4	46
960~1000	49.5	54

Detector Function : Peak , Average

FREQUENCY	Class A (dBu	uV/m) (at 3 m)	Class B (dBu	ıV/m) (at 3 m)
(MHz)	Peak	Peak Average		Average
Above 1000	80	60	74	54

CISPR 22 Limit:

Detector Function : Quasi – Peak

FREQUENCY	Class A (at 10 m)	Class B (at 10 m)
(MHz)	dBuV/m	dBuV/m
30~230	40	30
230~1000	47	37

Note: 1. The lower limit shall apply at the transition frequency.

2. Additional provisions may be required for cases where interference occurs.

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ICES-003 Limit:

Detector Function : Quasi-peak

	arrottorr . Quador	0 0 0.1.1		
Frequency	Class A (3 m)	Class A (10 m)	Class B (3 m)	Class B (10 m)
(MHz)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)
30 - 88	50	40	40	30
88 - 216	54	43.5	43.5	33.1
216 - 230	56.9	46.4	46	35.6
230 - 960	57	47	47	37
960 - 1000	60	49.5	54	43.5

Note: The more stringent limit applies at transition frequencies

Detector Function : Peak, Average

Frequency		A (3 m) V/m)	Class B (3 m) (dBuV/m)		
(MHz)	Peak	Áverage	Peak	Áverage	
Above 1000	80	60	74	54	

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2.4. Test of Conducted Emission

2.4.1 Test Equipments

SC	SS Conducted_Emissi	on HWAYA Co	onducted Room No	o.A_EMC	
EQUIPMENT TYPE	Manufacturer	Model Number	Serial Number	Calibration Date	Calibration Due
EMI Test Receiver	R&S	ESCI	101311	2021/7/5	2022/7/4
Coaxial Cables	EMC Instruments Corp.	HY-CE- CABLE	HYCE-2000-01	2021/5/19	2022/5/18
LISN	Schwarzbeck	NSLK 8127	8127-648	2021/7/11	2022/7/10
LISN	Schwarzbeck	NSLK 8128	NSLK8128-300	2021/8/26	2022/8/25
Pulse Limiter	Narda S.T.S.	PMM PL01	1110X30602	2021/8/12	2022/8/11
Communication Tester	R&S	CMU200	114669	2021/3/10	2022/3/9
Communication Tester	R&S	CMW500	152303	2021/2/2	2022/2/1
Test Software	Farad	EZ-EMC	Ver. SGS-03A2- 10	N.C.R.	N.C.R.

Testing Site : No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan

Measurement Uncertainty of Conducted Emission

Expanded uncertainty Ulab (k=2) of Conducted Emission is 2.28 dB.

Expanded uncertainty CISPR 16-4-2:2011+A1:2014+A2:2018 (k=2) of Conducted Emission measurement is 3.44 dB.

2.4.2 Measurement Level Calculation

Factor = LISN insertion loss + Cable loss + Pulse Limiter insertion loss Measurement Level = Reading Level + Factor Over (Margin) = Measurement Level – Limit

2.4.3 Measurement Data:

N/A, the EUT power from DC mains, no necessary to perform the test.

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2.5 Test of Radiated Emission

2.5.1 Test Equipments

Below 1GHz

	SGS Radia	ted_Below_1GHz HWA	YA 10m_EMC		
EQUIPMENT TYPE	Manufacturer	Model Number	Serial Number	Calibration Date	Calibration Due
EMI Test Receiver	R&S	ESCI 7	100950	2020/11/30	2021/11/29
EMI Test Receiver	R&S	ESCI	101343	2021/2/2	2022/2/1
Broadband Antenna	SCHWAZBECK	VULB9168	9168-628	2021/8/31	2022/8/30
Broadband Antenna	SCHWAZBECK	VULB9168	9168-629	2021/9/7	2022/9/6
Pre Amplifier	EMC Instruments	EMC330	980178	2021/3/31	2022/3/30
Pre Amplifier	EMC Instruments	EMC330	980179	2021/3/31	2022/3/30
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150917	2021/9/18	2022/9/17
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150919	2021/9/18	2022/9/17
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150820	2021/9/18	2022/9/17
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150918	2021/9/18	2022/9/17
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150821	2021/9/18	2022/9/17
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150822	2021/9/18	2022/9/17
Communication Tester	R&S	CMU200	114669	2021/3/10	2022/3/9
Communication Tester	R&S	CMW500	152303	2021/2/2	2022/2/1
Site NSA	SGS	10m Chamber	10M SAC	2020/12/31	2021/12/30
Test S/W	Farad	EZ-EMC	Ver. SGS 10m-03A2-5	N.C.R.	N.C.R.

Testing Site : No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan

Measurement Uncertainty of Radiated Emission

Expanded uncertainty Ulab (k=2) of Radiated Emission is 4.41 dB.(30MHz-1000MHz)

Expanded uncertainty CISPR 16-4-2:2011+A1:2014+A2:2018 (k=2) of Radiated Emission measurement is 5.22 dB.(30MHz-1000MHz)

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Above 1GHz

	SGS Rad	iated_Above_1GHz H\	NAYA 966A_EMC		
EQUIPMENT TYPE	Manufacturer	Model Number	Serial Number	Calibration Date	Calibration Due
Spectrum Analyzer	R&S	FSV 40	101419	2021/5/26	2022/5/25
EMI Test Receiver	R&S	ESR 7	101459	2021/2/24	2022/2/23
Horn Antenna	Schwarzbeck	BBHA9120D	BBHA9120D285	2021/5/4	2022/5/3
Horn Antenna Schwarzbeck		BBHA9170	BBHA9170-184	2020/12/11	2021/12/10
Pre Amplifier	EMC Instruments	EMC012645B	980216	2021/4/25	2022/4/24
Pre Amplifier	EMC Instruments	EMC184045B	980135	2021/10/27	2022/10/26
Coaxial Cable	JUNFLOW	MWX221-NMSNMS	J0778929	2021/9/8	2022/9/7
Coaxial Cable	Huber+Suhner	SUCOFLEX 104PEA	30255/4PEA	2021/9/8	2022/9/7
Coaxial Cable	EMC Instruments	EMC104-SM-SM	140927	2021/9/8	2022/9/7
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	520415/2	2021/6/5	2022/6/4
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	MY 2153/2	2021/6/5	2022/6/4
Filter	Woken	WFIL-N2400- 2483.5F-02	WR145WC2B1	2021/1/28	2022/1/27
Filter	MICRO- TRONICS	BRC50705-01	006	2021/5/21	2022/5/20
Communication Tester	R&S	CMU200	114669	2021/3/10	2022/3/9
Communication Tester	R&S	CMW500	152303	2021/2/2	2022/2/1
Site VSWR	SGS	966 Chamber A	SAC-A	2021/1/12	2022/1/11
Test Software	Farad	EZ-EMC	Ver. SGS-03A2- 5	N.C.R.	N.C.R.

Testing Site : No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan

Measurement Uncertainty of Radiated Emission

Expanded uncertainty Ulab (k=2) of Radiated Emission measurement is 4.05 dB.(1-6GHz)

Expanded uncertainty Ulab (k=2) of Radiated Emission measurement is 4.04 dB.(6-18GHz)

Expanded uncertainty Ulab (k=2) of Radiated Emission measurement is 4.27 dB.(18-26GHz)

Expanded uncertainty Ulab (k=2) of Radiated Emission measurement is 4.19 dB.(26-40GHz)

Expanded uncertainty CISPR 16-4-2:2011+A1:2014+A2:2018 (k=2) of Radiated Emission measurement is 5.18 dB.(1-6GHz)

Expanded uncertainty CISPR 16-4-2:2011+A1:2014+A2:2018 (k=2) of Radiated Emission measurement is 5.48 dB.(6-18GHz)

Expanded uncertainty CISPR 16-4-2:2011+A1:2014+A2:2018 (k=2) of Radiated Emission measurement is --- dB.(18-26GHz)

Expanded uncertainty CISPR 16-4-2:2011+A1:2014+A2:2018 (k=2) of Radiated Emission measurement is --- dB.(26-40GHz)

2.5.2 Measurement Level Calculation

Correction Factor = Antenna Factor + Cable loss- Amplifier Gain Measurement Level = Reading Level + Correction Factor Over (Margin) = Measurement Level – Limit

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2.5.3 Measurement Data

Below 1GHz

Model No.:RV5-01 Mode_3_H

Site: SGS 10m Chamber Date: 2021/11/18 Time: 上午 03:15:56 Limit: FCC Class A 10m Radiation Polarization: Temperature: 19 ℃ Horizontal Power: DC24V Mode: Mode 3 Humidity: 53 %RH Report: File::TMHY2109000316YE Distance: 10m Air Pressure: 990 hpa Tester: Jeffrey Chou Note: SGS Taiwan Ltd Electromagnetic Compatibility Laboratory Address, No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333 80.0 dBuV/m Limit1 Margin: 0.0 224.00 418.00 515.00 806.00 1000.00 MHz 30.000 127.00 321.00 612.00 709.00

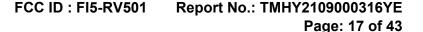
N1-	N.41.	Freq.	Reading	Factor	Measurement	Limit	Over	Height	Degree	Detector	
No.	Mk	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	Detector	Comment
1	*	44.9900	39.13	-11.55	27.58	39.00	-11.42	136	313	QP	
2		56.1000	36.42	-11.88	24.54	39.00	-14.46			QP	
3		528.0100	34.67	-4.33	30.34	46.44	-16.10			QP	
4		576.1100	23.35	-3.36	19.99	46.44	-26.45			QP	
5		672.0000	32.54	-1.52	31.02	46.44	-15.42			QP	
6		941.8000	23.14	2.90	26.04	46.44	-20.40			QP	

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

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Mode_3_V



N1-		. Freq.	Freq. Reading Factor	Measurement	Limit	Over	Height	Degree	Detector	Comment	
No.	Mk	(MHz)	(dBuV)	(dB/m) (dBuV/m)	(dBuV/m)	(dBuV/m)	uV/m) (dB)	(cm)	(deg.)	Detector	Comment
1	*	55.9400	42.36	-10.44	31.92	39.00	-7.08	110	299	QP	-
2		104.1700	39.71	-15.29	24.42	43.50	-19.08			QP	
3		137.3400	33.71	-11.70	22.01	43.50	-21.49			QP	
4		527.9900	32.56	-4.01	28.55	46.44	-17.89			QP	
5		623.9900	30.38	-1.31	29.07	46.44	-17.37			QP	15 18
6		945.6800	22.17	3.11	25.28	46.44	-21.16			QP	

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^{*:}Maximum data x:Over limit !:over margin





Mode_3_H



N1-	N 41.	Freq.	Reading	Factor	Measurement	Limit	Over	Height	Degree	Detector	0
No.	Mk	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	Detector	Comment
1	*	44.9900	39.13	-11.55	27.58	40.00	-12.42	136	313	QP	
2		56.1000	36.42	-11.88	24.54	40.00	-15.46			QP	
3		528.0100	34.67	-4.33	30.34	47.00	-16.66			QP	
4		576.1100	23.35	-3.36	19.99	47.00	-27.01			QP	
5		672.0000	32.54	-1.52	31.02	47.00	-15.98			QP	
6		941.8000	23.14	2.90	26.04	47.00	-20.96			QP	

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^{*:}Maximum data !:over margin x:Over limit





3. . . .

Mode_3_V



N1-	NAI.	Freq.	Reading	Factor	Measurement	Limit	Over	Height	(deg.) 299 QP	0	
No.	Mk	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	Detector	Comment
1	*	55.9400	42.36	-10.44	31.92	40.00	-8.08	110	299	QP	
2		104.1700	39.71	-15.29	24.42	43.50	-19.08			QP	
3		137.3400	33.71	-11.70	22.01	43.50	-21.49			QP	
4		527.9900	32.56	-4.01	28.55	47.00	-18.45			QP	
5		623.9900	30.38	-1.31	29.07	47.00	-17.93			QP	
6		945.6800	22.17	3.11	25.28	47.00	-21.72			QP	

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^{*:}Maximum data x:Over limit !:over margin





Above 1GHz

Model No.:RV5-01 Mode 3 H



NI-	NAI-	Freq.	Reading	Factor	Measurement	Limit	Over	Height	Degree	Detector	Comment
No.	Mk	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	Detector	Comment
1		8344.000	51.55	-4.71	46.84	80.00	-33,16			peak	
2		9432.000	48.67	-1.45	47.22	80.00	-32.78		3	peak	
3		10129.000	49.83	-1.49	48.34	80.00	-31.66			peak	
4		10554.000	48.82	-0.42	48.40	80.00	-31.60			peak	
5		11098.000	48.81	-0.38	48.43	80.00	-31.57			peak	
6	*	12543.000	49.04	-0.28	48.76	80.00	-31.24	100	25	peak	

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Site: SGS 966 Chamber A Date: 2021/11/19 Time: 上午 01:57:33 Limit: FCC Class A 18-40G(Peak) Polarization: Horizontal Temperature: 20 ℃ Mode: Mode 3 Power: DC 24V Humidity: 66 %RH Report: TMHY2109000316YE Distance: 1m Air Pressure: 990 hpa Tester: Ken Chen Note: SGS Talwan Ltd.-Electromagnetic Compatibility Laboratory Address: No.2, Keji 1st Rd., Guishan District, Taoyuan City, Talwan 333 100.0 dBuV/m 50

NI.	NAL.	Freq.	Reading	Factor	Measurement	Limit	Over	Height	Degree	Detector	Comment
No.	Mk	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	Detector	Comment
1		19518.000	46.80	-0.96	45.84	89.50	-43.66			peak	
2		19870.000	45.78	-0.11	45.67	89.50	-43.83			peak	
3		24622.000	44.21	3.11	47.32	89.50	-42.18			peak	
4		37250.000	44.48	9.05	53.53	89.50	-35.97			peak	
5		38724.000	45.18	11.89	57.07	89.50	-32.43		6	peak	
6	*	39978.000	40.82	18.53	59.35	89.50	-30.15	100	318	peak	

29000.00

31200.00

35600.00

40000.00 MHz

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24600.00

26800.00

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SGS Taiwan Ltd.

No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan / 桃園市龜山區科技一路 2 號 t (886-2) 2299-3279

0.0

18000.000 20200.00

^{*:}Maximum data x:Over limit !:over margin





Mode_3_V



NI.	NAL.	Freq.	Reading	Factor	Measurement	Limit	Over	Height	Degree	Detector	Comment
No.	Mk	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	Detector	Comment
1		6559.000	51.79	-8.55	43.24	80.00	-36.76			peak	
2		7766.000	50.83	-5.16	45.67	80.00	-34.33			peak	
3		9789.000	50.00	-1.34	48.66	80.00	-31.34			peak	
4		10180.000	51.23	-1.36	49.87	80.00	-30.13			peak	
5	*	10826.000	50.83	-0.26	50.57	80.00	-29.43	100	52	peak	
6		11251.000	49.04	-0.65	48.39	80.00	-31.61			peak	

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Na	NAI-	Freq.	Reading	Factor	Measurement	Limit	Over	Height	Degree	Detector	Comment
No.	Mk	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	Detector	Comment
1		19760.000	46.76	-0.37	46.39	89.50	-43.11			peak	
2		23566.000	44.34	2.80	47.14	89.50	-42.36			peak	
3		24512.000	44.24	3.28	47.52	89.50	-41.98			peak	
4		37206.000	43.73	9.16	52.89	89.50	-36.61			peak	
5		38504.000	45.97	11.32	57.29	89.50	-32.21			peak	
6	*	40000.000	41.32	18.70	60.02	89.50	-29.48	100	208	peak	

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f (886-3) 327-7559

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