Prüfbericht-Nr.: *Test report no.:*	CN23K1RD (P15C-SRD) 001	**Auftrags-Nr.:** *Order no.*:	48217902	Seite 1 von 27 *Page 1 of 27*
Kunden-Referenz-Nr.: *Client reference no.:*	N/A	**Auftragsdatum:** *Order date:*	2023-04-12	
Auftraggeber: *Client:*	HP Inc. 3390 East Harmony Road, Fort Collins, CO 80528, USA			
Prüfgegenstand: *Test item:*	USB Wireless Dongle			
Bezeichnung / Typ-Nr.: *Identification / Type no.:*	PF011WA			
Auftrags-Inhalt: *Order content*:	FCC Part 15C Test report (2.4GHz)			
Prüfgrundlage: *Test specification:*	FCC 47CFR Part 15: Subpart C Section 15.247			

Wareneingangsdatum: *Date of sample receipt:*	2023-04-14
Prüfmuster-Nr.: *Test sample no:*	A003456704-004 A003456704-006
Prüfzeitraum: *Testing period:*	2023-04-28 - 2023-05-08
Ort der Prüfung: *Place of testing:*	EMC/RF Taipei Testing Site
Prüflaboratorium: *Testing laboratory:*	Taipei Testing Laboratories
Prüfergebnis*: *Test result*:*	Pass

zusammengestellt von: *compiled by:*		**genehmigt von:** authorized by:	
Datum: *Date:* 2023-05-16		**Ausstellungsdatum:** *Issue date:* 2023-05-16	
Stellung / *Position:*	Ryan Chen Senior Project Manager	**Stellung** / *Position:*	Brenda Chen Senior Project Manager

Sonstiges / *Other:*

Zustand des Prüfgegenstandes bei Anlieferung: Prüfmuster vollständig und unbeschädigt
Condition of the test item at delivery: *Test item complete and undamaged*

* Legende:	1 = sehr gut	2 = gut	3 = befriedigend	4 = ausreichend	5 = mangelhaft
	P(ass) = entspricht o.g. Prüfgrundlage(n)		F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet
** Legend:*	*1 = very good*	*2 = good*	*3 = satisfactory*	*4 = sufficient*	*5 = poor*
	P(ass) = passed a.m. test specification(s)		*F(ail) = failed a.m. test specification(s)*	*N/A = not applicable*	*N/T = not tested*

TEST SUMMARY

Report Section	FCC Clause	Test Item	Result
5.1.1	15.247(b) & 15.203	Antenna Requirement	Pass
5.1.2	15.247(b)(3)	Peak Output Power	Pass
5.1.3	15.247(a)(2)	6 dB Bandwidth	Pass
5.1.3	2.1049	99% Occupied Bandwidth	Pass
5.1.4	15.247(e)	Power Spectral Density	Pass
5.1.5	15.247(d)	Conducted Spurious Emissions and Band Edges	Pass
5.1.6	15.247(d) & 15.205 & 15.209	Radiated Spurious Emissions and Band Edges	Pass
5.2.1	15.207	Mains Conducted Emission	Pass

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

Contents

HISTORY OF THIS TEST REPORT

Report No.	Description	Date Issued
CN23K1RD (P15C-SRD) 001	Original Release	2023-05-16

1. General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:
Appendix A - Test Result of Conducted
Appendix B - Test Result of Radiated Emissions & Mains Conducted Emission
Appendix SP - Photographs of Test Setup
Appendix EP - Photographs of EUT

Applied Standard and Test Levels

Radio
FCC 47CFR Part 15: Subpart C Section 15.247
FCC 47CFR Part 2: Subpart J Section 2.1049
ANSI C63.10:2013
KDB 558074 D01 15.247 Meas Guidance v05r02

1.2 Decision Rule of Conformity

The decision rule of conformity of this test report is following the requirements of the requested standard in the quotation, and agreed among testing laboratory and manufacturer (applicant) to exclude the consideration of Measurement Uncertainty, unless it is required by the specific standard.

2. Test Sites

2.1 Test Laboratory

Taipei Testing Laboratories

11F. No.758, Sec. 4, Bade Rd., Songshan Dist.
Taipei City 105
Taiwan (R.O.C.)

2.2 Test Facility

Taipei Testing Laboratories

No.458-18, Sec. 2, Fenliao Rd., Linkou Dist.,
New Taipei City 244
Taiwan (R.O.C.)
FCC Registration No.: 180491
ISED Registration No.: 25563

2.3 Traceability

All measurement equipment calibrations are traceable to NML(Taiwan)/NIST(USA) or where calibration is performed outside Taiwan, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically in a suitably accredited Calibration Lab. Additionally all equipment is verified for proper performance on a regular basics using in house standards or comparisons.

2.5 Measurement Uncertainty

All measurement uncertainty values are shown with a coverage factor of k=2 to indicate a 95% level of confidence.

Emission Measurement Uncertainty

Parameter	Uncertainty
Radiated Emission (9 kHz ~ 30 MHz)	± 1.15 dB
Radiated Emission (30 MHz ~ 200 MHz)	± 1.32 dB
Radiated Emission (200 MHz ~ 1 GHz)	± 1.31 dB
Radiated Emission (1 GHz ~ 18 GHz)	± 1.53 dB
Radiated Emission (18 GHz ~ 40 GHz)	± 2.50 dB
Mains Conducted Emission	± 1.65 dB

3. General Product Information

3.1 Product Function and Intended Use

The EUT is a USB Wireless Dongle. It contains a 2.4GHz compatible module enabling the user to communicate data through a Wireless interface.
For details refer to the User Guide, Data Sheet and Circuit Diagram.

3.2 System Details and Ratings

Basic Information of EUT

Item	EUT information
Kind of Equipment/Test Item	USB Wireless Dongle
Type Identification	PF011WA
FCC ID	B94-PF011WA

Technical Specification of EUT

Item	EUT information
Operating Frequency	2402 MHz ~ 2478 MHz
Channel Number	13
Operation Voltage	5Vdc
Modulation	GFSK
Maximum Output Power (mW)	1.44
Antenna Information	Refer to 5.1.1
Accessory Device	Refer to 4.4

3.3 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.4 Submitted Documents

- Circuit Diagram
- Instruction Manual
- Rating Label
- Technical Description

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

The test modes were adapted accordingly in reference to the instructions for use.
During testing, Channel and Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output expected by the customer and is going to be fixed on the firmware of the final end product.

Table for Parameters of Test Software Setting

Frequency (MHz)	Power Setting
2402	2
2438	2
2478	2

4.2 Carrier Frequency and Channel

Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)
1	2402	6	2432	11	2464
2	2408	7	2438	12	2470
3	2414	8	2444	13	2478
4	2420	9	2452		
5	2426	10	2458		

4.3 Test Operation and Test Software

Setup for testing: Test samples are used to enable the operating modes through pressing button. It was used to enable the operation modes listed as below.

The samples were used as follows:
A003456704-004
A003456704-006
Full test was applied on all test modes, but only worst case was shown.

EUT Configure Mode	Applicable To				Description
	Antenna Port Conducted Measurement	Radiated Spurious Emissions above 1 GHz	Radiated Spurious Emissions below 1 GHz	Mains Conducted Emission	
-	√	√	√	√	-

Note:
1. The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when position on Z-plane.
2. "-" means no effect.

Antenna Port Conducted Measurement

☒ Pre-Scan full test was applied on all test modes, but only worst case was shown.
☒ Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Available Frequency (MHz)	Tested Frequency (MHz)
-	2402 to 2478	2402, 2438, 2478

Radiated Spurious Emissions (Above 1 GHz)

☒ Pre-Scan full test was applied on all test modes, but only worst case was shown.
☒ Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Available Frequency (MHz)	Tested Frequency (MHz)
Tx		
-	2402 to 2478	2402, 2438, 2478
Rx		
-	2402 to 2478	2438

Radiated Spurious Emissions (Below 1 GHz)

☒ Pre-Scan full test was applied on all test modes, but only worst case was shown.
☒ Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Available Frequency (MHz)	Tested Frequency (MHz)
	Tx / Rx	
-	2402 to 2478	2438

Mains Conducted Emission

☒ Pre-Scan full test was applied on all test modes, but only worst case was shown.
☒ Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Available Frequency (MHz)	Tested Frequency (MHz)
-	2402 to 2478	2438

Test Condition

Test Item	Ambient Temperature	Relative Humidity	Tested by
Conducted Measurement	23.5 °C	24.2 %	Blake Wang
Radiated Spurious Emissions above 1 GHz	23.9-24.8 °C	53-54 %	Chuan Chu
Radiated Spurious Emissions below 1 GHz	23.9-24.8 °C	53-54 %	Chuan Chu
Mains Conducted Emission	21.1-24.9 °C	51.7-54.9 %	Ray Huang

4.4 Special Accessories and Auxiliary Equipment

The product has been tested together with the following additional accessories:

Accessory of EUT

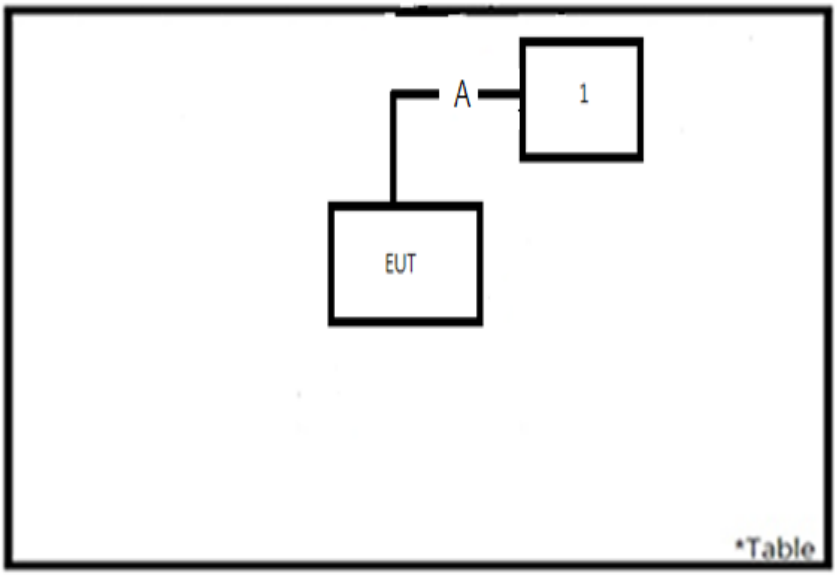
None.

Support Unit

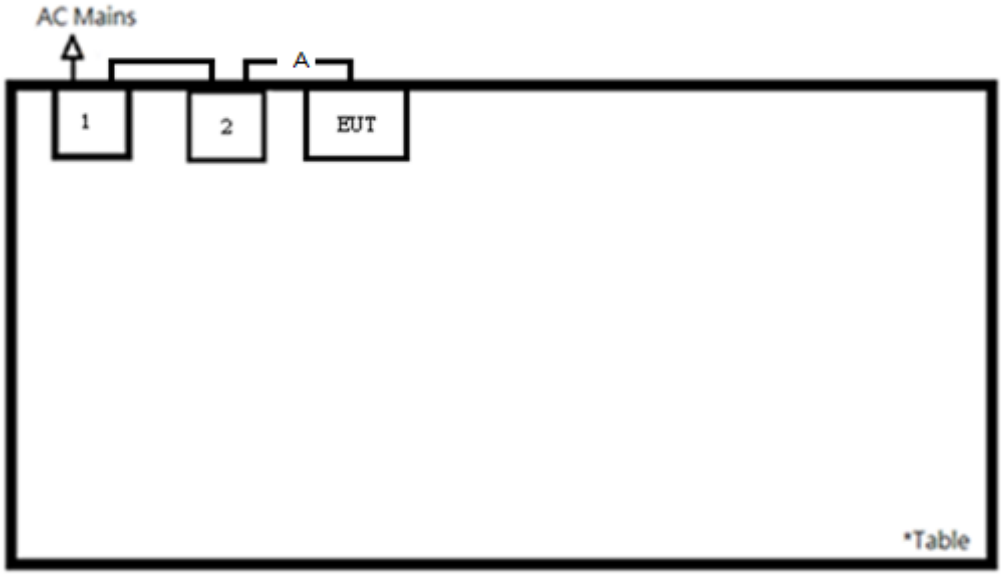
No.	Description	Brand	Model	S/N	Remark
Radiated Test					
A	USB Cable	shengkun	USB A to Type C	-	
1	Notebook	HP	Laptop-15s-du0xx	-	-
Mains Conducted Test					
A	USB Cable	HP	HP-01	-	200 cm non-shielded cable w/o core
1	Adapter	HP	PPP009D	-	179 cm shielded cable w/o core
2	Notebook	Lenovo	81BL	MP1DCD6Y	-

4.5 Test Setup Diagram

<Radiated Spurious Emissions mode>



<Mains Conducted Emission mode>



5. Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

Requirement Use of approved antennas only

According to the manufacturer declaration, the EUT has an antenna with a directional gain of 1.15 dBi. The antenna is a chip antenna with no possibility of replacement with a non-approved antenna by the end-user. Therefore, the EUT is considered to comply with this provision.

Refer to EUT photo for details.

5.1.2 Peak Output Power

Limit 1 watt (30 dBm)

Kind of Test Site Shielded room

Test Setup

Test Instruments

Kind of Equipment	Manufacturer	Type	S/N	Calibration Date	Calibration Due Date	Test Date	
						From	Until
Power Meter	Anritsu	ML2495A	1901008	2023/3/17	2024/3/15	2023/5/4	2023/5/4
Power Sensor	Anritsu	MA2411B	1725269	2023/3/17	2024/3/15	2023/5/4	2023/5/4

Test Procedures

A peak power sensor was used on the output port of the EUT. A power meter was used to read the response of the peak power sensor. Record the power level.

Average power sensor was used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of TX on burst. Duty factor is not added to measured value.

Test Result

Peak Output Power

Channel	Channel Frequency	Peak Output Power		Limit (dBm)
	(MHz)	(dBm)	(mW)	
Low Channel	2402	1.57	1.44	30
Middle Channel	2437	0.27	1.06	30
High Channel	2478	-0.42	0.91	30

Average Power

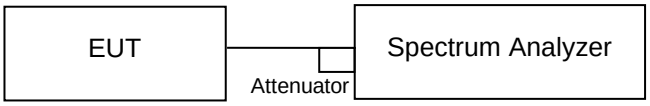
Channel	Channel Frequency	Average Power	
	(MHz)	(dBm)	(mW)
Low Channel	2402	1.43	1.39
Middle Channel	2437	0.11	1.03
High Channel	2478	-0.56	0.88

5.1.3 6 dB Bandwidth

Limit The minimum 6 dB bandwidth shall be at least 500 kHz.

Kind of Test Site Shielded room

Test Setup



Test Instruments

Kind of Equipment	Manufacturer	Type	S/N	Calibration Date	Calibration Due Date	Test Date	
						From	Until
Spectrum Analyzer	R&S	FSV	101512	2023/2/23	2024/2/22	2023/5/4	2023/5/4

Test Procedure

a. Set resolution bandwidth (RBW) = 100 kHz
b. Set the video bandwidth (VBW) ≥ 3 x RBW, Detector = Peak.
c. Trace mode = max hold.
d. Sweep = auto couple.
e. Measure the maximum width of the emission that is constrained by the frequencies associated with the two amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Test Results

Please refer to Appendix A.

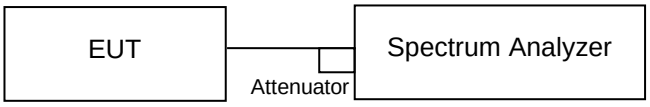
5.1.4 Power Spectral Density

Limit

The power spectral density shall not be greater than 8 dBm in any 3 kHz band.

Kind of Test Site Shielded room

Test Setup



Test Instruments

Kind of Equipment	Manufacturer	Type	S/N	Calibration Date	Calibration Due Date	Test Date	
						From	Until
Spectrum Analyzer	R&S	FSV	101512	2023/2/23	2024/2/22	2023/5/4	2023/5/4

Test Procedure

a. Set analyzer center frequency to DTS channel center frequency.
b. Set the span to 1.5 times the DTS bandwidth.
c. Set the RBW to: 3 kHz ≤ RBW ≤ 100 kHz.
d. Set the VBW ≥ 3 × RBW.
e. Detector = peak.
f. Sweep time = auto couple.
g. Trace mode = max hold.
h. Allow trace to fully stabilize.
i. Use the peak marker function to determine the maximum amplitude level within the RBW.

Test Results

Please refer to Appendix A.

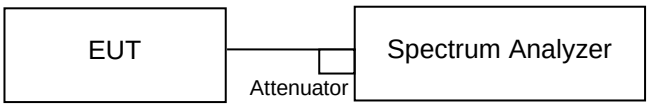
5.1.5 Conducted Spurious Emissions and Frequency Band Edges Measured in 100kHz Bandwidth

Limit

20 dB (below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power.)

Kind of Test Site Shielded room

Test Setup



Test Instruments

Kind of Equipment	Manufacturer	Type	S/N	Calibration Date	Calibration Due Date	Test Date	
						From	Until
Spectrum Analyzer	R&S	FSV	101512	2023/2/23	2024/2/22	2023/5/4	2023/5/4

Test Procedure

Measurement procedure REF

1. Set the RBW = 100 kHz.
2. Set the VBW ≥ 300 kHz.
3. Detector = peak.
4. Sweep time = auto couple.
5. Trace mode = max hold.
6. Allow trace to fully stabilize.
7. Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW.

Measurement procedure OOBE

1. Set RBW = 100 kHz.
2. Set VBW ≥ 300 kHz.
3. Detector = peak.
4. Sweep = auto couple.
5. Trace Mode = max hold.
6. Allow trace to fully stabilize.
7. Use the peak marker function to determine the maximum amplitude level.

Test Results

Please refer to Appendix A.

5.1.6 Radiated Spurious Emissions and Band Edges

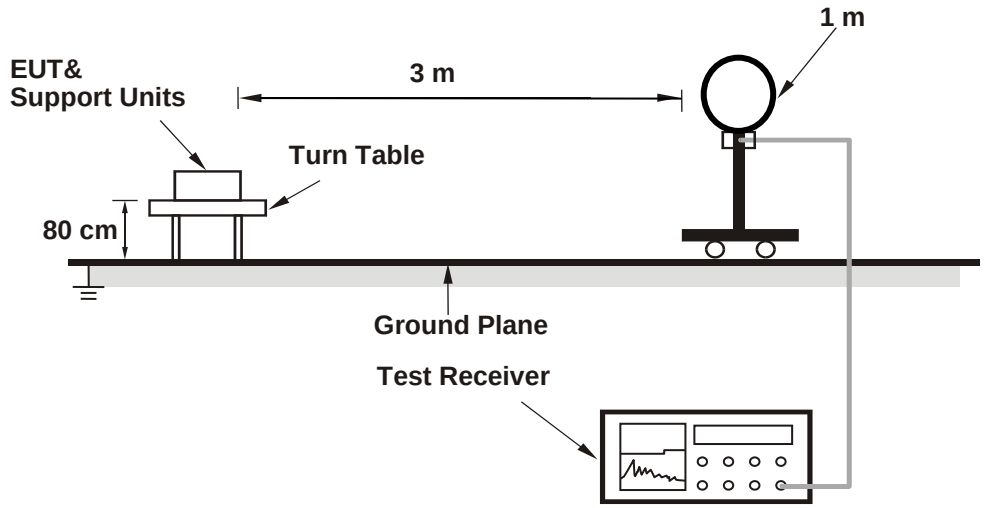
Limit

Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must comply with the radiated emission limits specified in §15.209(a).
Emissions radiated outside the restricted and authorized frequency bands must either comply with the radiated emission limits specified for the restricted bands or in §15.247(d).

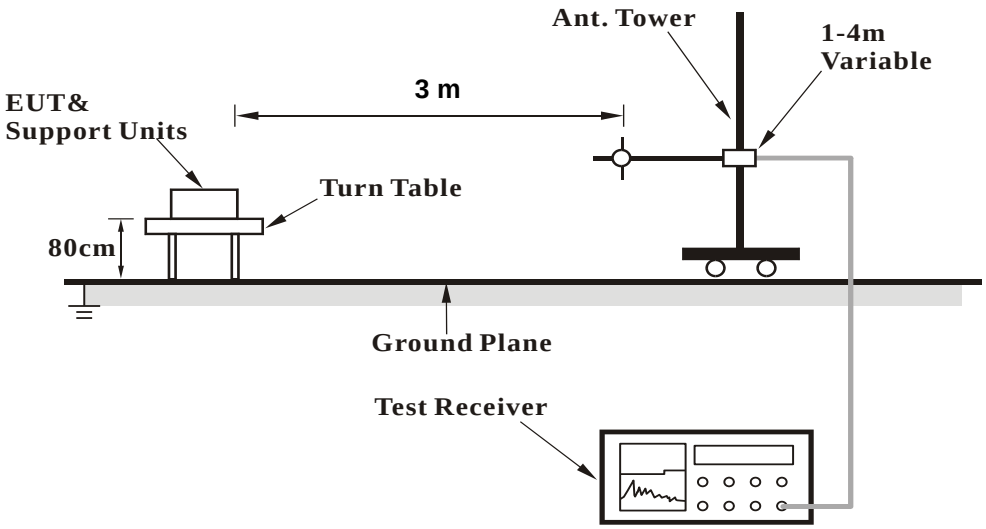
Kind of Test Site 3m Semi-Anechoic Chamber

Test Setup

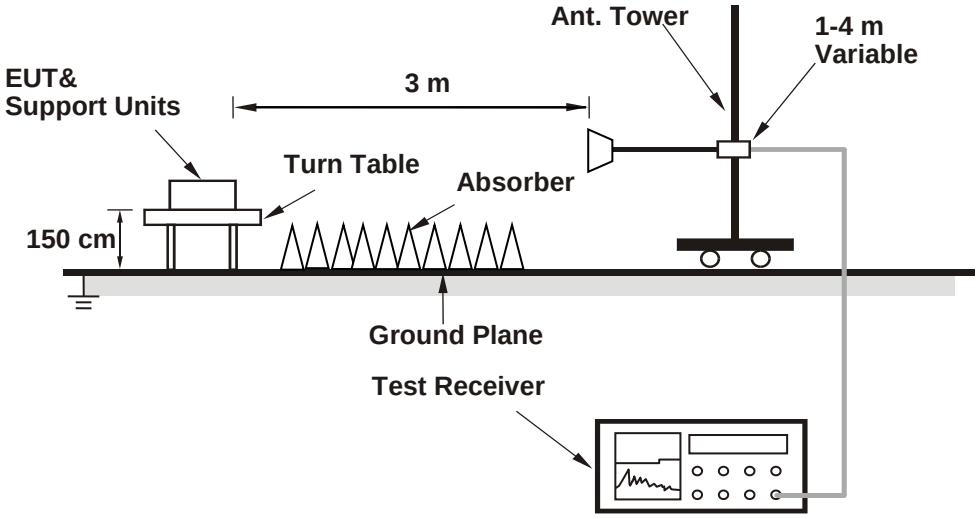
<Radiated Emissions below 30 MHz>



<Radiated Emissions 30 MHz to 1 GHz>



<Radiated Emissions above 1 GHz>



For the actual test configuration, please refer to the attached file (Test Setup Photo).

Test Instruments

Kind of Equipment	Manufacturer	Type	S/N	Calibration Date	Calibration Due Date
Above 1GHz (Test Period: 2023/4/28~5/6)					
Signal Analyzer	R&S	FSV40	101508	2023/4/20	2024/4/18
Horn Antenna	ETS-Lindgren	3117	00218929	2022/12/8	2023/12/7
HF-AMP + AC source	EMCI	EMC051845SE	980633	2023/2/22	2024/2/21
HF-AMP + AC source	EMCI	EMC184045SE	980657	2023/2/16	2024/2/15
Horn Antenna	SCHWARZBECK	BBHA 9170	00887	2023/3/31	2024/3/29
30MHz~1GHz (Test Period: 2023/5/5)					
Receiver	R&S	ESR7	102109	2023/2/24	2024/2/23
Bilog Antenna	SCHWARZBECK	VULB-9168	00949	2022/5/29	2023/5/28
LF-AMP	Agilent	8447D	2944A107722	2023/3/22	2024/3/20
Below 30MHz (Test Period: 2023/5/5)					
Receiver	R&S	ESR7	102109	2023/2/24	2024/2/23
Loop Antenna	SCHWARZBECK	FMZB 1519B	00215	2023/1/4	2024/1/3

Test Procedures

For Radiated Emissions below 30 MHz

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
c. Parallel (OPEN), perpendicular (CLOSE), and ground-parallel (GROUND) orientations of the antenna are set to make the measurement.
d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9 kHz at frequency below 30 MHz.
2. All modes of operation were investigated and the worst-case emissions are reported.

For Radiated Emissions above 30 MHz

a. The EUT was placed on the top of a rotating table 0.8 meters (for 30 MHz ~ 1 GHz) / 1.5 meters (for above 1 GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
c. The height of antenna 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.
d. 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 and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
f. The test-receiver system was set to peak and average detected function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) or Peak detection (PK) at frequency below 1 GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1 GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is ≥ 1/T (Duty cycle < 98 %) or 10 Hz (Duty cycle ≥ 98 %) for Average detection (AV) at frequency above 1 GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.
5. The Radiated Emissions testing was performed in the X(E1), Y(H) and Z(E2) axis orientation. The worst-case Axis orientation is recorded in this test report.

Test Results

Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)
Level (dBuV/m) = Reading (dBuV) + Factor (dB/m)

Please refer to Appendix B.

5.2 Mains Emission

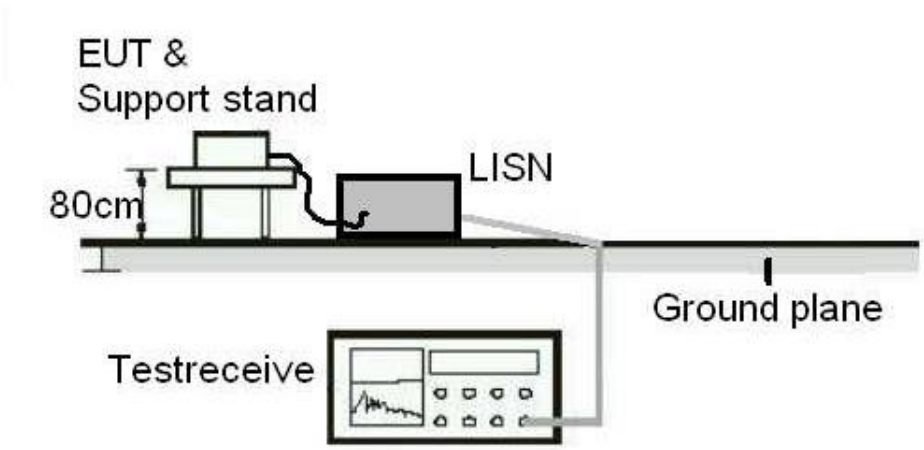
5.2.1 Mains Conducted Emission

Limit

Mains Conducted Emission as defined in §15.207 must comply with the mains conducted emission limits.

Kind of Test Site Shielded room

Test Setup



Test Instruments

Test Date: 2023/5/8

Kind of Equipment	Manufacturer	Type	S/N	Calibration Date	Calibration Due Date
Two-Line V-Network	Rohde & Schwarz	ENV216	101938	2022/9/22	2023/9/21
EMI Test Receiver	R&S	ESCI	100797	2022/6/19	2023/6/18

Test Procedures

a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/50 uH of coupling impedance for the measuring instrument.
b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

Note: The resolution bandwidth and video bandwidth of test receiver is 9 kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15 MHz – 30 MHz.

Test Results

Please refer to Appendix B.

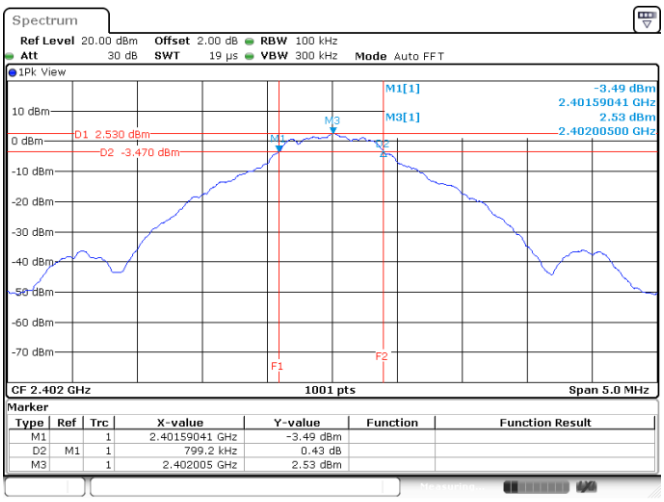
Appendix A: Test Results of Conducted Test

Test Result of 6 dB Bandwidth

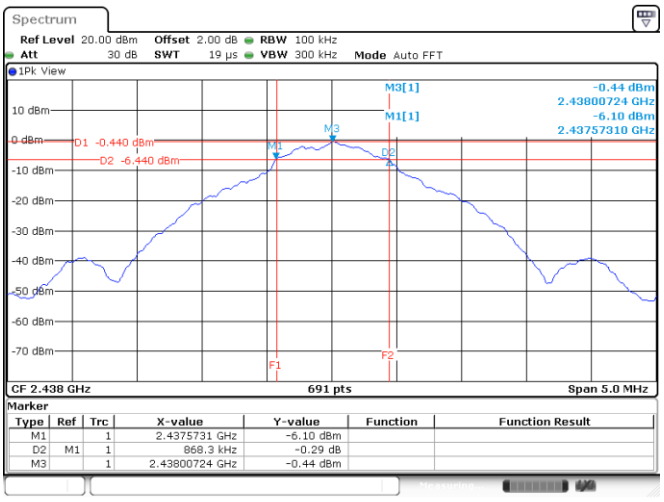
SRD

Channel	Channel Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
Low Channel	2402	0.80	> 0.5	Pass
Middle Channel	2438	0.87	> 0.5	Pass
High Channel	2478	0.85	> 0.5	Pass

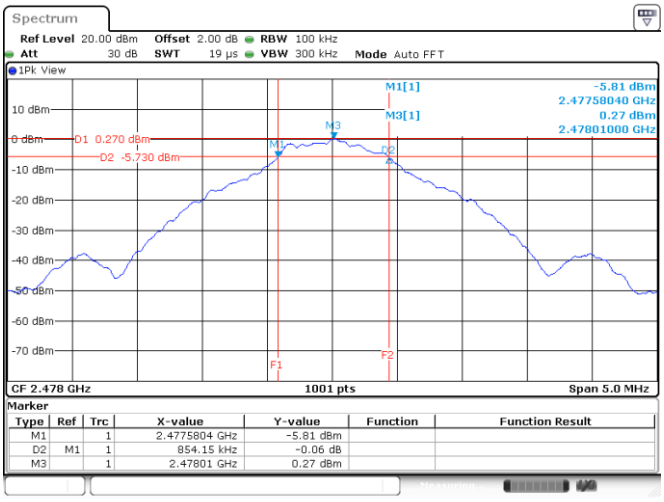
Low Channel



Middle Channel



High Channel

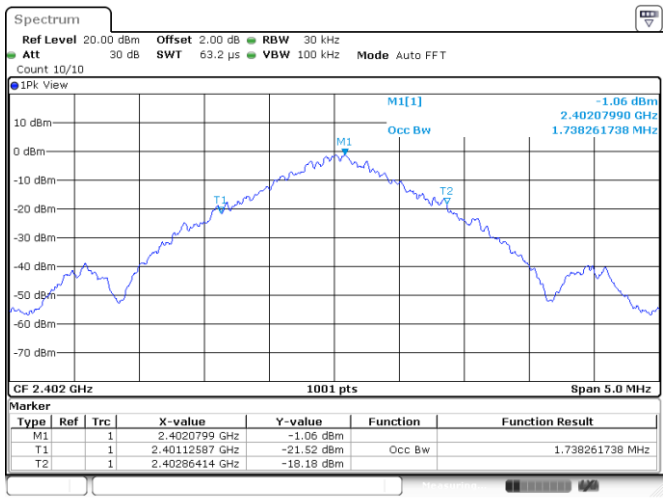


Test Result of 99% Occupied Bandwidth

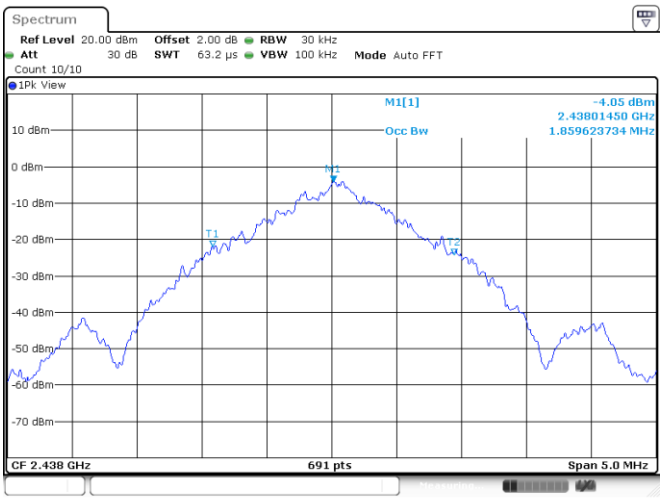
SRD

Channel	Channel Frequency (MHz)	99% Bandwidth (MHz)
Low Channel	2402	1.73
Middle Channel	2438	1.86
High Channel	2478	1.79

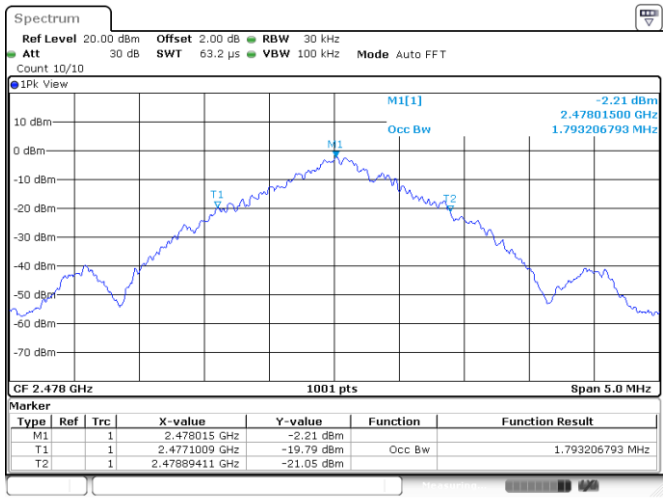
Low Channel



Middle Channel



High Channel

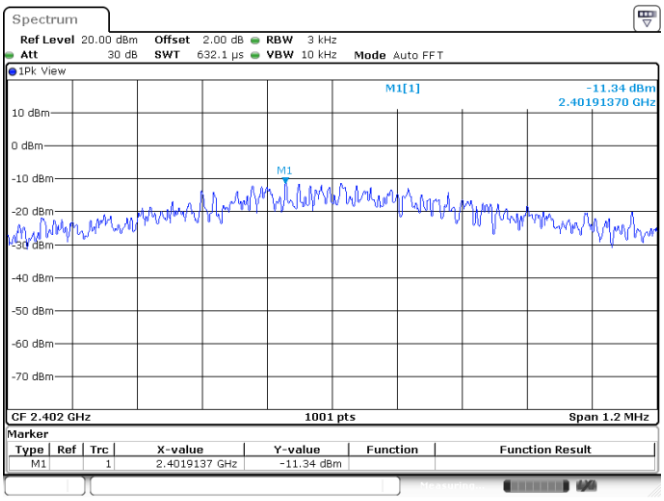


Test Result of Power Spectral Density

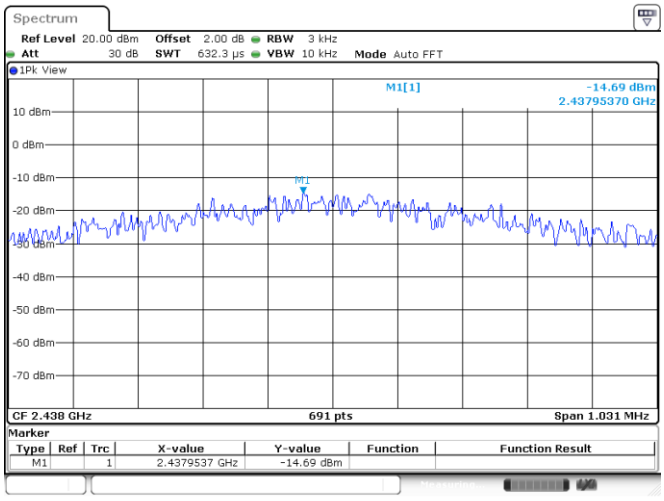
SRD

Channel	Channel Frequency (MHz)	Power Density (dBm)	Limit (dBm)	Result
Low Channel	2402	-11.34	8	Pass
Middle Channel	2438	-14.69	8	Pass
High Channel	2478	-14.08	8	Pass

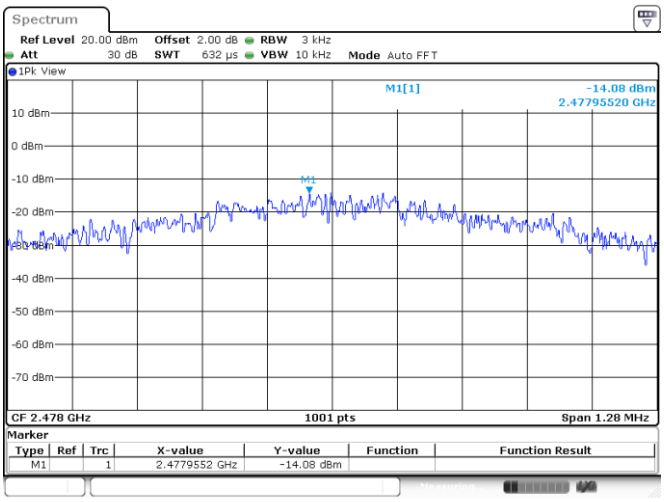
Low Channel



Middle Channel



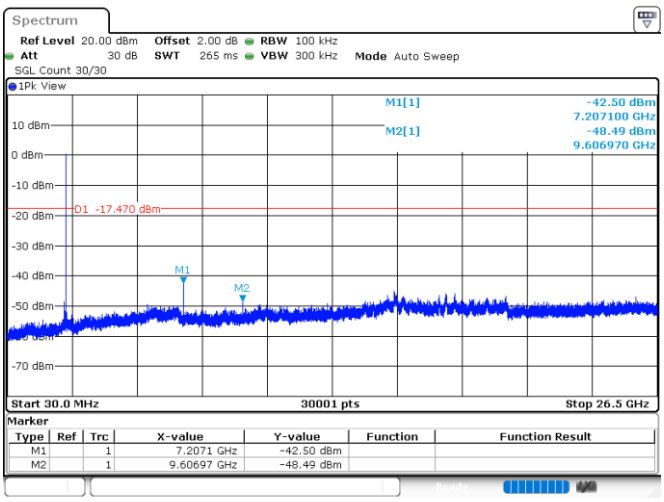
High Channel



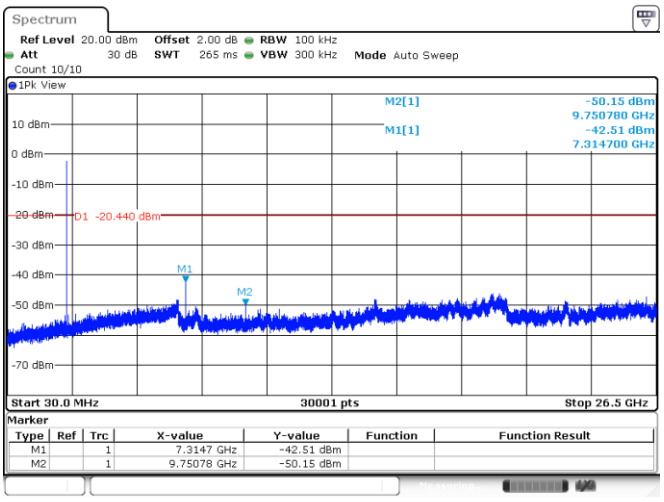
Test Result of Conducted Spurious Emissions, Tx Mode

SRD

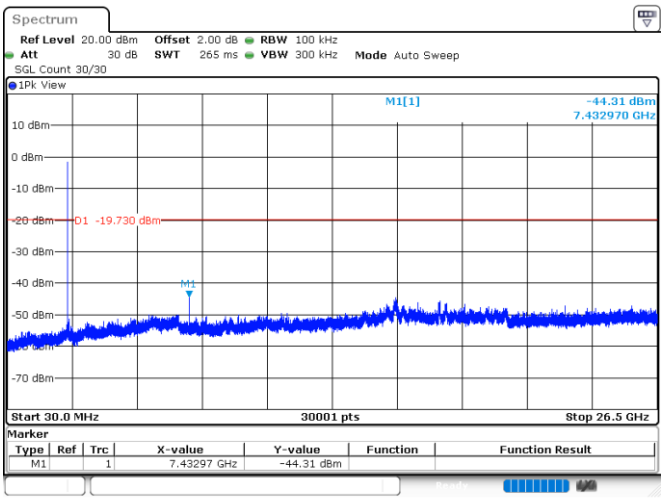
Low Channel



Middle Channel

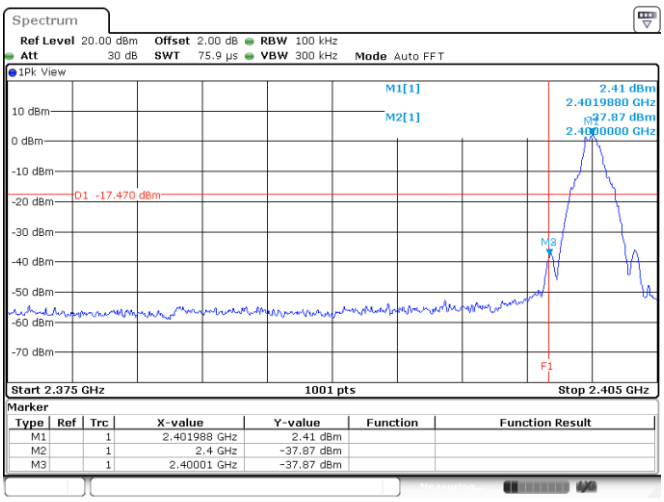
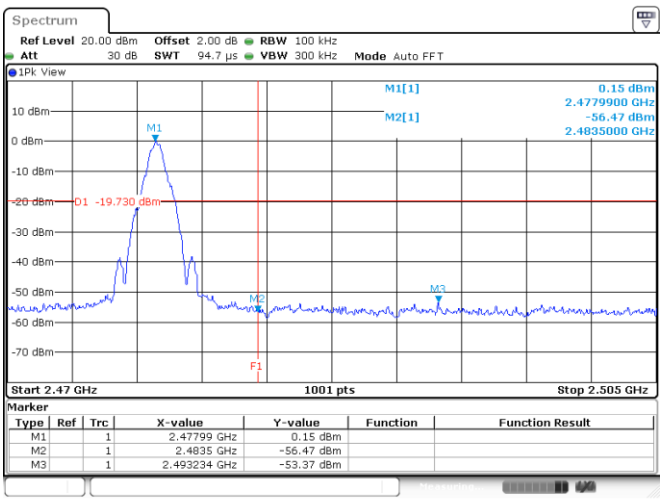


High Channel



Test Result of Conducted Band Edge, Tx Mode

SRD

Low Channel	High Channel
	

Appendix B: Test Results of Radiated Spurious Emissions & Mains

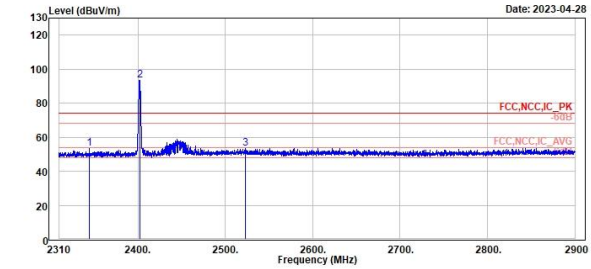
Conducted Emission Test

Band Edges, 2.31GHz ~ 2.9GHz

SRD

Low Channel (Horizontal) Peak

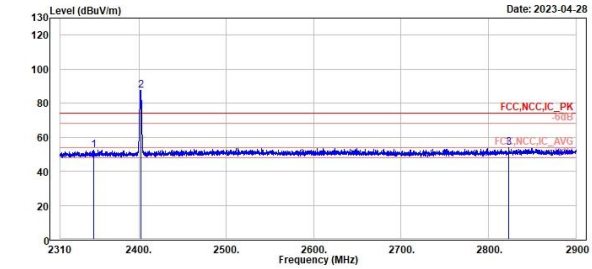
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2344.46	53.18	16.15	37.03	74.00	-20.82	156	166	Peak	Horizontal	
2 *	2402.00	93.25	56.13	37.12	74.00	19.25	156	166	Peak	Horizontal	
3	2523.11	53.57	16.10	37.47	74.00	-20.43	156	166	Peak	Horizontal	

Low Channel (Vertical) Peak

TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322

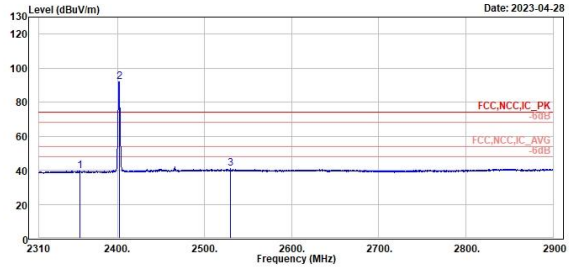


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2348.35	52.48	15.43	37.05	74.00	-21.52	310	165	Peak	Vertical	
2 *	2402.00	87.51	50.39	37.12	74.00	13.51	310	165	Peak	Vertical	
3	2822.95	53.91	16.43	37.48	74.00	-20.09	310	165	Peak	Vertical	

SRD

Low Channel (Horizontal) Average

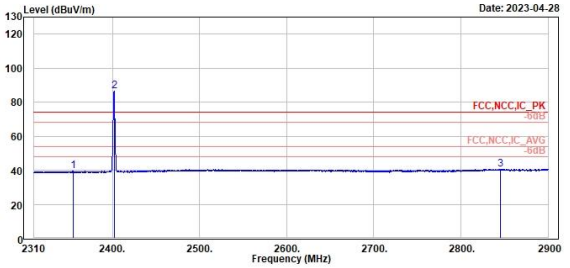
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, , Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2357.20	39.56	2.49	37.07	54.00	-14.44	156	166	Average	Horizontal	
2 *	2402.00	92.05	54.93	37.12	54.00	38.05	156	166	Average	Horizontal	
3	2530.07	40.82	3.35	37.47	54.00	-13.18	156	166	Average	Horizontal	

Low Channel (Vertical) Average

TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, , Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322

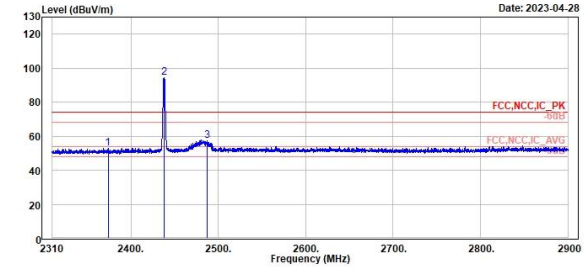


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2354.72	39.36	2.29	37.07	54.00	-14.64	310	165	Average	Vertical	
2 *	2402.00	86.32	49.20	37.12	54.00	32.32	310	165	Average	Vertical	
3	2845.01	40.72	3.04	37.68	54.00	-13.28	310	165	Average	Vertical	

SRD

Middle Channel (Horizontal) Peak

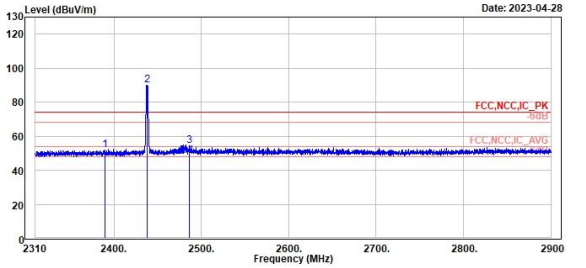
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2373.96	52.74	15.66	37.08	74.00	-21.26	100	168	Peak	Horizontal	
2 *	2438.00	94.21	56.84	37.37	74.00	20.21	100	168	Peak	Horizontal	
3	2487.24	57.10	19.61	37.49	74.00	-16.90	100	168	Peak	Horizontal	

Middle Channel (Vertical) Peak

TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322

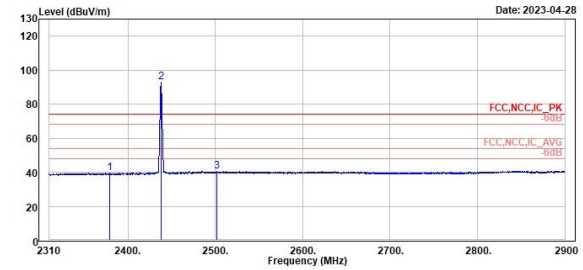


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2389.65	51.67	14.57	37.10	74.00	-22.33	104	164	Peak	Vertical	
2 *	2438.00	90.01	52.64	37.37	74.00	16.01	104	164	Peak	Vertical	
3	2486.76	54.52	17.03	37.49	74.00	-19.48	104	164	Peak	Vertical	

SRD

Middle Channel (Horizontal) Average

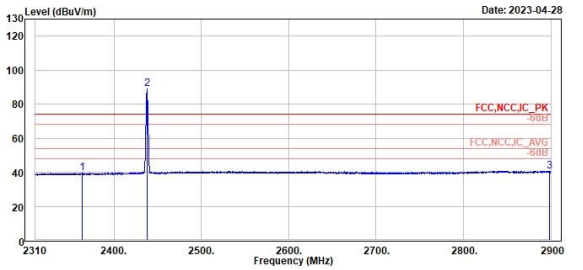
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2379.62	39.38	2.29	37.09	54.00	-14.62	100	168	Average	Horizontal	
2 *	2438.00	92.90	55.53	37.37	54.00	38.90	100	168	Average	Horizontal	
3	2502.22	40.54	3.04	37.50	54.00	-13.46	100	168	Average	Horizontal	

Middle Channel (Vertical) Average

TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322

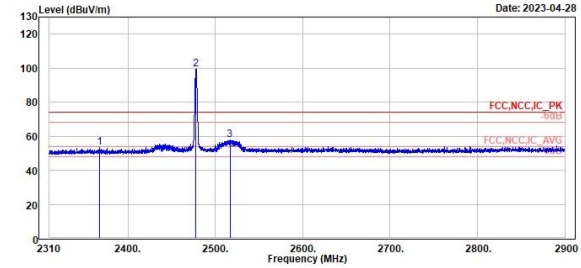


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2364.28	39.50	2.42	37.08	54.00	-14.50	104	164	Average	Vertical	
2 *	2438.00	88.87	51.50	37.37	54.00	34.87	104	164	Average	Vertical	
3	2898.11	40.75	2.79	37.96	54.00	-13.25	104	164	Average	Vertical	

SRD

High Channel (Horizontal) Peak

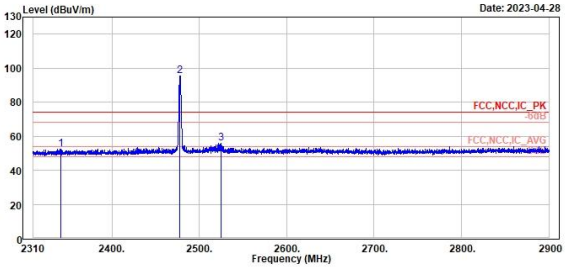
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2367.82	53.24	16.16	37.08	74.00	-20.76	149	168	Peak	Horizontal	
2 *	2478.00	99.24	61.76	37.48	74.00	25.24	149	168	Peak	Horizontal	
3	2516.74	57.71	20.22	37.49	74.00	-16.29	149	168	Peak	Horizontal	

High Channel (Vertical) Peak

TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322

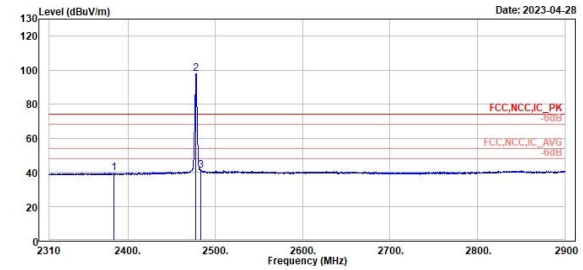


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2341.51	52.61	15.61	37.00	74.00	-21.39	100	165	Peak	Vertical	
2 *	2478.00	95.30	57.82	37.48	74.00	21.30	100	165	Peak	Vertical	
3	2524.52	55.78	18.31	37.47	74.00	-18.22	100	165	Peak	Vertical	

SRD

High Channel (Horizontal) Average

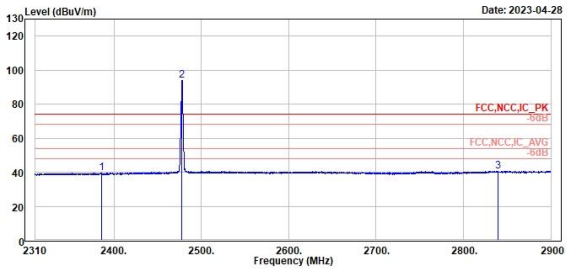
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2383.99	39.36	2.27	37.09	54.00	-14.64	149	168	Average	Horizontal	
2 *	2478.00	98.06	60.58	37.48	54.00	44.06	149	168	Average	Horizontal	
3	2483.81	41.23	3.74	37.49	54.00	-12.77	149	168	Average	Horizontal	

High Channel (Vertical) Average

TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322



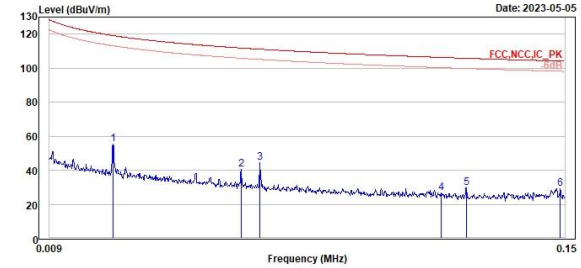
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2386.11	39.53	2.43	37.10	54.00	-14.47	100	165	Average	Vertical	
2 *	2478.00	94.13	56.65	37.48	54.00	40.13	100	165	Average	Vertical	
3	2839.23	40.63	3.01	37.62	54.00	-13.37	100	165	Average	Vertical	

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

SRD

Middle Channel 9kHz~150kHz(Open)

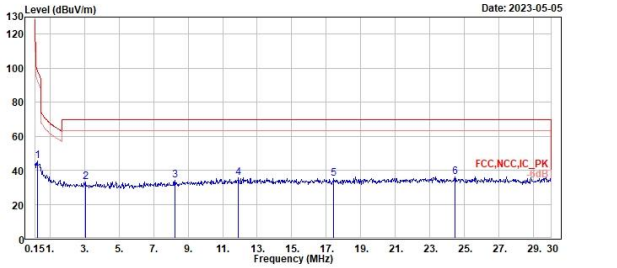
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	0.03	55.28	36.33	18.95	119.13	-63.85	100	13	Peak	Open	
2	0.06	40.30	21.45	18.85	111.82	-71.52	100	11	Peak	Open	
3	0.07	44.54	25.82	18.72	111.12	-66.58	100	159	Peak	Open	
4	0.12	26.90	8.91	17.99	106.30	-79.40	100	202	Peak	Open	
5	0.12	29.54	11.52	18.02	105.79	-76.25	100	74	Peak	Open	
6	0.15	29.33	11.21	18.12	104.15	-74.82	100	112	Peak	Open	

Middle Channel 150kHz~30MHz(Open)

TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322



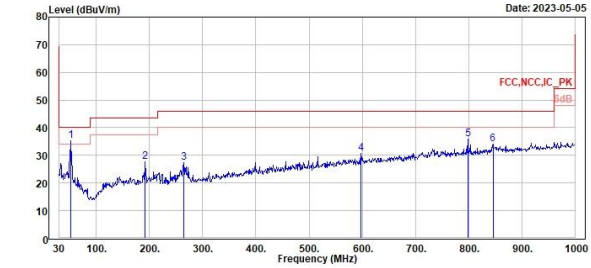
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	0.27	45.43	26.81	18.62	98.99	-53.56	100	165	Peak	Open	
2	3.05	33.04	13.41	19.63	69.50	-36.46	100	83	Peak	Open	
3	8.24	34.00	13.17	20.83	69.50	-35.50	100	352	Peak	Open	
4	11.91	35.80	14.11	21.69	69.50	-33.70	100	172	Peak	Open	
5	17.43	34.90	12.83	22.07	69.50	-34.60	100	360	Peak	Open	
6	24.45	36.20	13.92	22.28	69.50	-33.30	100	58	Peak	Open	

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

SRD

Middle Channel (Horizontal)

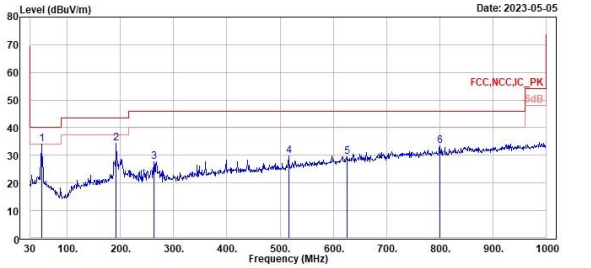
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1 !	52.31	35.29	42.87	-7.58	40.00	-4.71	100	107	Peak	Horizontal	
2	191.99	27.82	37.64	-9.82	43.50	-15.68	166	360	Peak	Horizontal	
3	263.77	27.50	35.36	-7.86	46.00	-18.50	200	147	Peak	Horizontal	
4	597.45	30.72	31.22	-0.50	46.00	-15.28	200	244	Peak	Horizontal	
5	798.24	35.77	32.92	2.85	46.00	-10.23	100	121	Peak	Horizontal	
6	845.77	34.12	30.70	3.42	46.00	-11.88	100	222	Peak	Horizontal	

Middle Channel (Vertical)

TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322



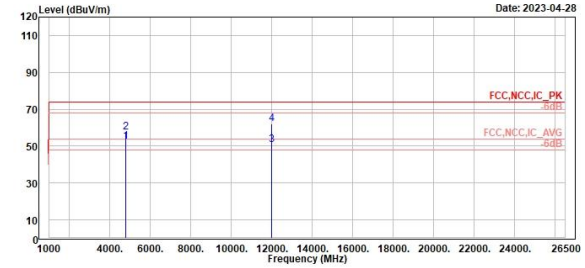
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1 !	51.34	34.05	41.58	-7.53	40.00	-5.95	400	138	Peak	Vertical	
2	191.99	34.52	44.34	-9.82	43.50	-8.98	100	98	Peak	Vertical	
3	262.80	27.67	35.58	-7.91	46.00	-18.33	100	124	Peak	Vertical	
4	515.97	29.71	32.20	-2.49	46.00	-16.29	100	0	Peak	Vertical	
5	625.58	29.52	29.35	0.17	46.00	-16.48	200	240	Peak	Vertical	
6	800.18	33.45	30.61	2.84	46.00	-12.55	200	83	Peak	Vertical	

Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

SRD

Low Channel (Horizontal)

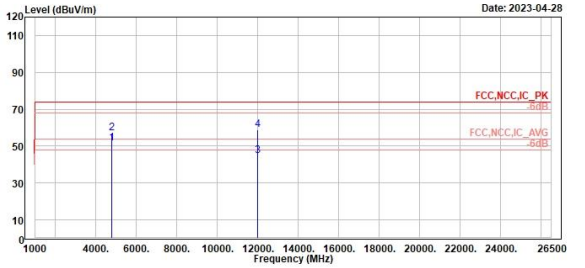
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1 !	4804.00	52.51	62.91	-10.40	54.00	-1.49	200	170	Average	Horizontal	
2	4804.00	57.68	68.08	-10.40	74.00	-16.32	200	170	Peak	Horizontal	
3 !	12010.00	50.78	52.46	-1.68	54.00	-3.22	100	189	Average	Horizontal	
4	12010.00	62.14	63.82	-1.68	74.00	-11.86	100	189	Peak	Horizontal	

Low Channel (Vertical)

TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322

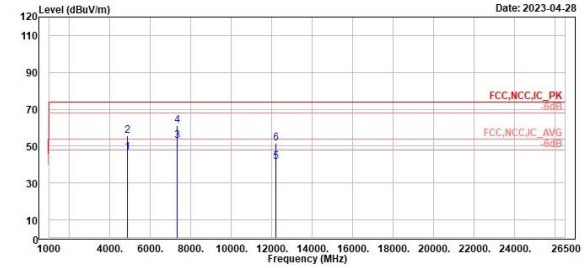


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1 !	4804.00	51.61	62.01	-10.40	54.00	-2.39	100	168	Average	Vertical	
2	4804.00	57.02	67.42	-10.40	74.00	-16.98	100	168	Peak	Vertical	
3	12010.00	44.57	46.25	-1.68	54.00	-9.43	100	360	Average	Vertical	
4	12010.00	58.85	60.53	-1.68	74.00	-15.15	100	360	Peak	Vertical	

SRD

Middle Channel (Horizontal)

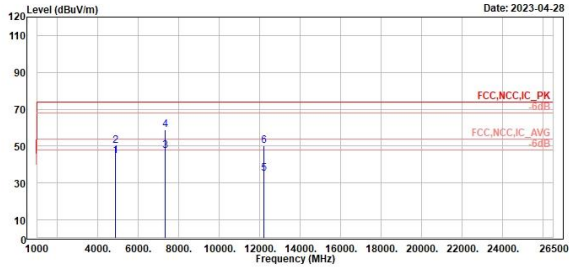
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4876.00	46.66	56.98	-10.32	54.00	-7.34	200	168	Average	Horizontal	
2	4876.00	55.83	66.15	-10.32	74.00	-18.17	200	168	Peak	Horizontal	
3 !	7314.00	52.72	61.22	-8.50	54.00	-1.28	100	156	Average	Horizontal	
4	7314.00	61.31	69.81	-8.50	74.00	-12.69	100	156	Peak	Horizontal	
5	12190.00	41.49	42.88	-1.39	54.00	-12.51	100	178	Average	Horizontal	
6	12190.00	51.56	52.95	-1.39	74.00	-22.44	100	178	Peak	Horizontal	

Middle Channel (Vertical)

TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322

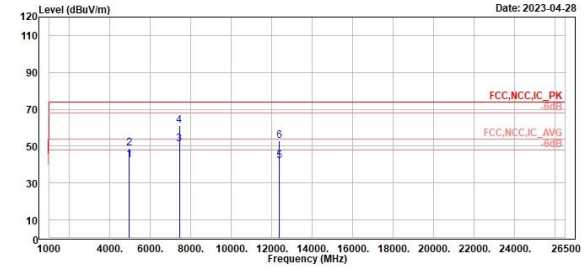


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4876.00	44.77	55.09	-10.32	54.00	-9.23	100	178	Average	Vertical	
2	4876.00	50.41	60.73	-10.32	74.00	-23.59	100	178	Peak	Vertical	
3	7314.00	47.39	55.89	-8.50	54.00	-6.61	100	184	Average	Vertical	
4	7314.00	58.92	67.42	-8.50	74.00	-15.08	100	184	Peak	Vertical	
5	12190.00	35.34	36.73	-1.39	54.00	-18.66	100	73	Average	Vertical	
6	12190.00	50.22	51.61	-1.39	74.00	-23.78	100	73	Peak	Vertical	

SRD

High Channel (Horizontal)

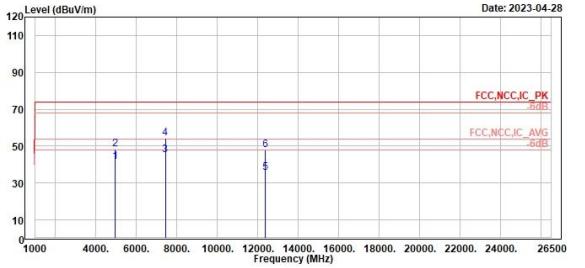
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4956.00	42.46	52.68	-10.22	54.00	-11.54	100	172	Average	Horizontal	
2	4956.00	48.89	59.11	-10.22	74.00	-25.11	100	172	Peak	Horizontal	
3	7434.00	51.20	59.53	-8.33	54.00	-2.80	100	155	Average	Horizontal	
4	7434.00	61.20	69.53	-8.33	74.00	-12.80	100	155	Peak	Horizontal	
5	12390.00	42.01	43.37	-1.36	54.00	-11.99	100	178	Average	Horizontal	
6	12390.00	53.09	54.45	-1.36	74.00	-20.91	100	178	Peak	Horizontal	

High Channel (Vertical)

TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322



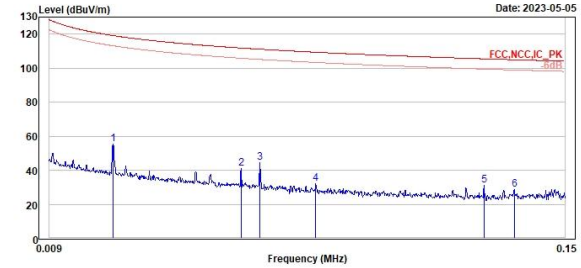
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4956.00	41.30	51.52	-10.22	54.00	-12.70	100	188	Average	Vertical	
2	4956.00	48.22	58.44	-10.22	74.00	-25.78	100	188	Peak	Vertical	
3	7434.00	45.29	53.62	-8.33	54.00	-8.71	100	202	Average	Vertical	
4	7434.00	54.36	62.69	-8.33	74.00	-19.64	100	202	Peak	Vertical	
5	12390.00	35.39	36.75	-1.36	54.00	-18.61	300	184	Average	Vertical	
6	12390.00	48.08	49.44	-1.36	74.00	-25.92	300	184	Peak	Vertical	

Spurious Emissions, Rx Mode, 9kHz ~ 30MHz

SRD

Middle Channel 9kHz~150kHz(Open)

TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	0.03	55.42	36.47	18.95	119.13	-63.71	100	26	Peak	Open	
2	0.06	40.96	22.11	18.85	111.82	-70.86	100	210	Peak	Open	
3	0.07	44.54	25.82	18.72	111.12	-66.58	100	170	Peak	Open	
4	0.08	31.99	13.64	18.35	109.33	-77.34	100	90	Peak	Open	
5	0.13	31.12	13.08	18.04	105.46	-74.34	100	96	Peak	Open	
6	0.14	28.71	10.64	18.07	104.92	-76.21	100	188	Peak	Open	

Middle Channel 150kHz~30MHz(Open)

TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
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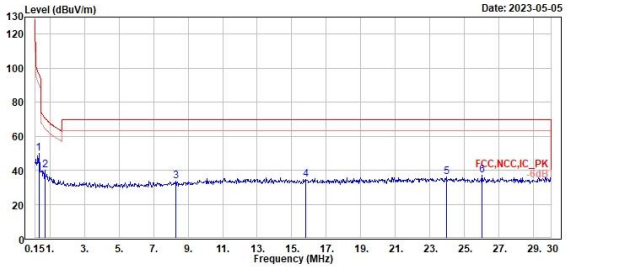


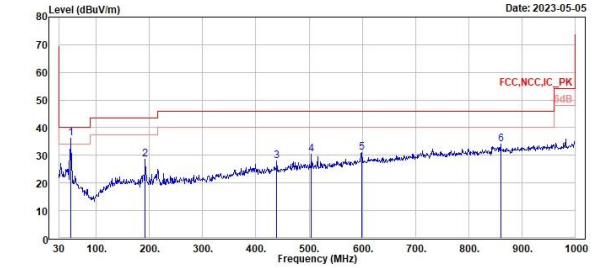
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	0.36	50.05	31.27	18.78	96.50	-46.45	100	158	Peak	Open	
2	0.72	40.07	21.12	18.95	70.49	-30.42	100	158	Peak	Open	
3	8.27	33.43	12.59	20.84	69.50	-36.07	100	52	Peak	Open	
4	15.82	34.78	12.82	21.96	69.50	-34.72	100	188	Peak	Open	
5	23.94	36.06	13.78	22.28	69.50	-33.44	100	89	Peak	Open	
6	26.03	37.17	14.88	22.29	69.50	-32.33	100	314	Peak	Open	

Spurious Emissions, Rx Mode, 30MHz ~ 1GHz

SRD

Middle Channel (Horizontal)

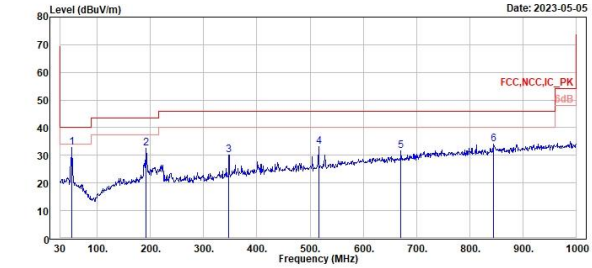
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	51.34	36.17	43.70	-7.53	40.00	-3.83	100	103	Peak	Horizontal	
2	191.99	28.68	38.50	-9.82	43.50	-14.82	201	11	Peak	Horizontal	
3	439.34	28.05	31.70	-3.65	46.00	-17.95	100	54	Peak	Horizontal	
4	504.33	30.34	33.23	-2.89	46.00	-15.66	100	109	Peak	Horizontal	
5	598.42	30.98	31.45	-0.47	46.00	-15.02	100	95	Peak	Horizontal	
6	860.32	34.00	30.21	3.79	46.00	-12.00	115	360	Peak	Horizontal	

Middle Channel (Vertical)

TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322



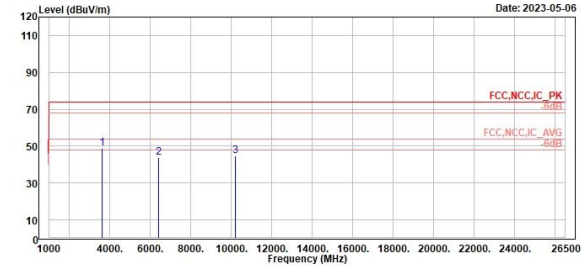
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	52.31	32.81	40.39	-7.58	40.00	-7.19	400	360	Peak	Vertical	
2	191.99	32.40	42.22	-9.82	43.50	-11.10	200	262	Peak	Vertical	
3	347.19	30.13	35.80	-5.67	46.00	-15.87	100	143	Peak	Vertical	
4	515.97	33.21	35.70	-2.49	46.00	-12.79	200	320	Peak	Vertical	
5	671.17	31.68	31.08	0.60	46.00	-14.32	100	156	Peak	Vertical	
6	844.80	34.06	30.64	3.42	46.00	-11.94	400	360	Peak	Vertical	

Spurious Emissions, Rx Mode, 1GHz ~ 26.5GHz

SRD

Middle Channel (Horizontal)

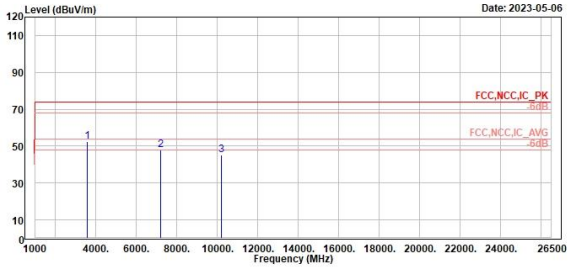
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	3600.00	48.94	61.28	-12.34	74.00	-25.06	100	74	Peak	Horizontal	
2	6394.00	43.70	51.85	-8.15	74.00	-30.30	300	289	Peak	Horizontal	
3	10209.00	44.60	49.54	-4.94	74.00	-29.40	300	329	Peak	Horizontal	

Middle Channel (Vertical)

TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322



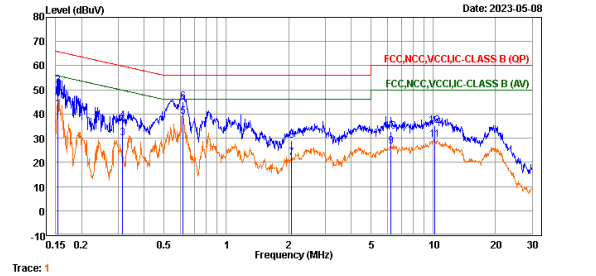
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	3592.00	52.52	64.87	-12.35	74.00	-21.48	300	149	Peak	Vertical	
2	7189.00	48.05	56.57	-8.52	74.00	-25.95	100	54	Peak	Vertical	
3	10203.00	45.06	50.01	-4.95	74.00	-28.94	300	27	Peak	Vertical	

Mains Conducted Emission, Tx Mode, 150kHz ~ 30MHz

Worst Band

(Line)

TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322

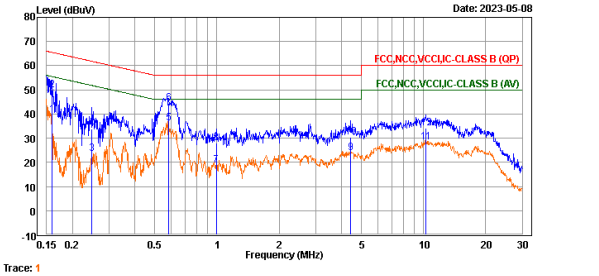


Trace: 1

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	Remark	Pol/Phase	Note
	MHz	dBuV	dBuV	dB	dBuV	dB			
1	0.15	41.90	32.28	9.62	55.79	-13.89	Average	line1	
2	0.15	52.08	42.46	9.62	65.79	-13.71	QP	line1	
3	0.31	29.92	20.30	9.62	49.87	-19.95	Average	line1	
4	0.31	37.27	27.65	9.62	59.87	-22.60	QP	line1	
5	0.62	38.92	29.29	9.63	46.00	-7.08	Average	line1	
6	0.62	45.13	35.50	9.63	56.00	-10.87	QP	line1	
7	2.06	21.81	12.15	9.66	46.00	-24.19	Average	line1	
8	2.06	29.10	19.44	9.66	56.00	-26.90	QP	line1	
9	6.21	26.61	16.89	9.72	50.00	-23.39	Average	line1	
10	6.21	32.66	22.94	9.72	60.00	-27.34	QP	line1	
11	10.12	29.19	19.43	9.76	50.00	-20.81	Average	line1	
12	10.12	35.22	25.46	9.76	60.00	-24.78	QP	line1	

(Neutral)

TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322



Trace: 1

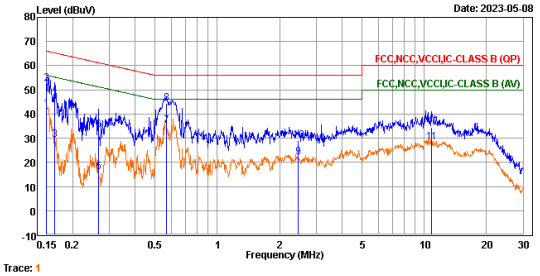
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	Remark	Pol/Phase	Note
	MHz	dBuV	dBuV	dB	dBuV	dB			
1	0.16	39.61	29.99	9.62	55.50	-15.89	Average	neutral	
2	0.16	49.94	40.32	9.62	65.50	-15.56	QP	neutral	
3	0.25	23.45	13.83	9.62	51.82	-28.37	Average	neutral	
4	0.25	33.71	24.09	9.62	61.82	-28.11	QP	neutral	
5	0.58	36.04	26.41	9.63	46.00	-9.96	Average	neutral	
6	0.58	44.29	34.66	9.63	56.00	-11.71	QP	neutral	
7	0.99	18.80	9.16	9.64	46.00	-27.20	Average	neutral	
8	0.99	28.10	18.46	9.64	56.00	-27.90	QP	neutral	
9	4.42	24.00	14.29	9.71	46.00	-22.00	Average	neutral	
10	4.42	30.50	20.79	9.71	56.00	-25.50	QP	neutral	
11	10.22	28.28	18.49	9.79	50.00	-21.72	Average	neutral	
12	10.22	34.20	24.41	9.79	60.00	-25.80	QP	neutral	

Mains Conducted Emission, Rx Mode, 150kHz ~ 30MHz

Worst Band

(Line)

TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322



Trace: 1

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	Remark	Pol/Phase	Note
	MHz	dBuV	dBuV	dB	dBuV	dB			
1	0.15	42.13	32.51	9.62	56.00	-13.87	Average	line1	
2	0.15	52.46	42.84	9.62	66.00	-13.54	QP	line1	
3	0.16	29.23	19.61	9.62	55.25	-26.02	Average	line1	
4	0.16	47.72	38.10	9.62	65.25	-17.53	QP	line1	
5	0.27	16.12	6.50	9.62	51.24	-35.12	Average	line1	
6	0.27	33.44	23.82	9.62	61.24	-27.80	QP	line1	
7	0.57	35.32	25.69	9.63	46.00	-10.68	Average	line1	
8	0.57	44.49	34.86	9.63	56.00	-11.51	QP	line1	
9	2.47	22.28	12.62	9.66	46.00	-23.72	Average	line1	
10	2.47	29.18	19.52	9.66	56.00	-26.82	QP	line1	
11	10.85	28.37	18.61	9.76	50.00	-21.63	Average	line1	
12	10.85	34.59	24.83	9.76	60.00	-25.41	QP	line1	

(Neutral)

TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
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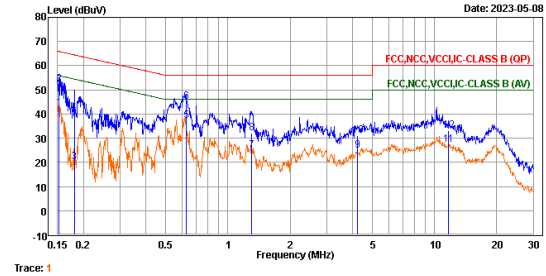

Trace: 1

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	Remark	Pol/Phase	Note
	MHz	dBuV	dBuV	dB	dBuV	dB			
1	0.15	42.36	32.74	9.62	55.88	-13.52	Average	neutral	
2	0.15	52.21	42.59	9.62	65.88	-13.67	QP	neutral	
3	0.18	20.14	10.52	9.62	54.47	-34.33	Average	neutral	
4	0.18	40.60	30.98	9.62	64.47	-23.87	QP	neutral	
5	0.63	37.10	27.47	9.63	46.00	-8.90	Average	neutral	
6	0.63	45.24	35.61	9.63	56.00	-10.76	QP	neutral	
7	1.30	24.94	15.30	9.64	46.00	-21.06	Average	neutral	
8	1.30	32.25	22.61	9.64	56.00	-23.75	QP	neutral	
9	4.23	24.91	15.22	9.69	46.00	-21.09	Average	neutral	
10	4.23	30.91	21.22	9.69	56.00	-25.09	QP	neutral	
11	11.64	27.21	17.40	9.81	50.00	-22.79	Average	neutral	
12	11.64	33.26	23.45	9.81	60.00	-26.74	QP	neutral	