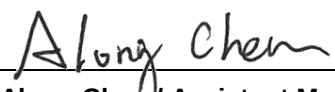


FCC Test Report

FCC ID : IPH-05049
Equipment : Outdoor Product
Model No. : A05049
Brand Name : GARMIN
Applicant : Garmin International, Inc.
Address : 1200 E. 151st Street Olathe, KS 66062 United States
Standard : 47 CFR FCC Part 15.225
Received Date : May 13, 2025
Tested Date : May 15 ~ May 22, 2025

We, International Certification Corporation, would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by:


Along Chen / Assistant Manager

Approved by:

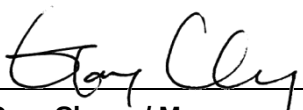

Gary Chang / Manager

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Appendix A. 20dB and Occupied Bandwidth

Appendix B. Field Strength of Fundamental Emissions

Appendix C. Unwanted Emissions into Restricted Frequency Bands

Appendix D. Field Strength of Fundamental Emissions

Appendix E. AC Power Line Conducted Emissions

Release Record

Report No.	Version	Description	Issued Date
FR4O1704NF	Rev. 01	Initial issue	Jun. 05, 2025

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	AC Power Line Conducted Emissions	[dBuV]: 0.484MHz 31.21 (Margin -15.06dB) - AV	Pass
15.225(a)~(c)	Field strength of fundamental emissions and spectrum mask	Meet the requirement of limit	Pass
15.225(d)	Field strength of any emissions appearing outside of the 13.110-14.010 MHz band	Meet the requirement of limit	Pass
15.225(e)	Frequency tolerance	Meet the requirement of limit	Pass
15.215 (c)	20dB bandwidth	Meet the requirement of limit	Pass
15.203	Antenna Requirement	Meet the requirement of limit	Pass

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1 General Description

1.1 Information

1.1.1 Specification of the Equipment under Test (EUT)

RF General Information			
Frequency Range (MHz)	Modulation	Ch. Frequency (MHz)	Channel Number
13.553 – 13.567	ASK	13.56	1

1.1.2 Antenna Details

Brand	Model	Type	Connector
Garmin	700-00225-00	FPC	No

1.1.3 EUT Operational Condition

Power Type	5Vdc from host 3.87Vdc from battery		
Operational Voltage	☒ Vnom (3.87 V)	☒ Vmax (4.45 V)	☒ Vmin (3.6 V)
Operational Climatic	☒ Tnom (20°C)	☒ Tmax (60°C)	☒ Tmin (-20°C)

1.1.4 Accessories

No.	Equipment	Description
1	Battery	Brand: Garmin Model: 361-00157-10 Rating: 3.87Vdc, 221mA
2	USB cable	Brand: GARMIN Model: 320-01602-00 0.56m shielded without core.

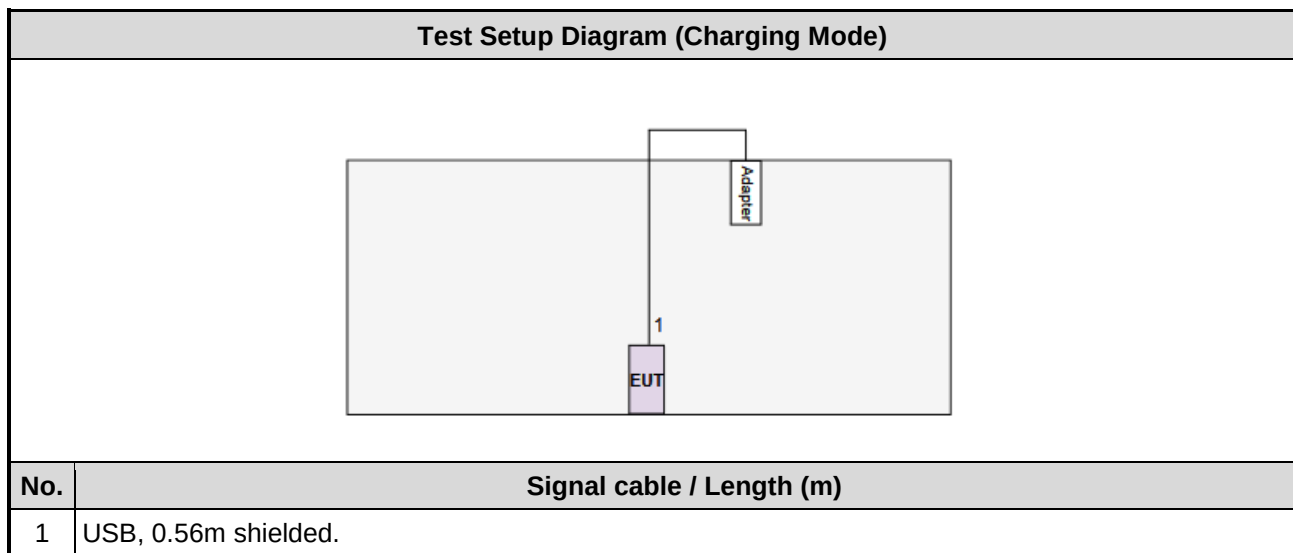
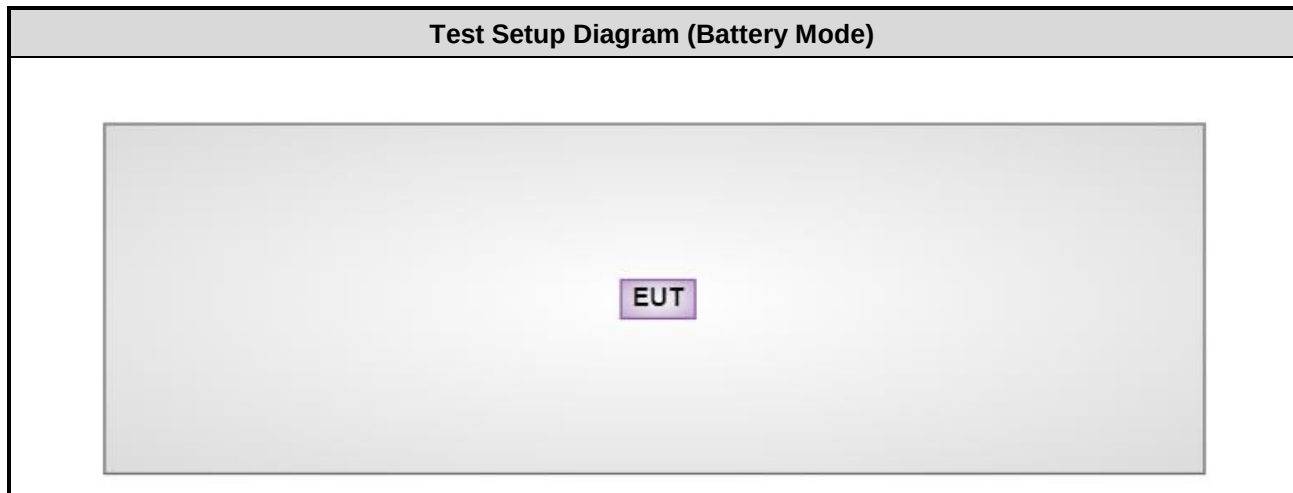
1.1.5 Test Tool and Power Index

Test Tool	NFC Test, Version: 10.00
Power Index	Default

1.2 Local Support Equipment List

Support Equipment List					
No.	Equipment	Brand	Model	FCC ID	Remarks
1	Adapter	Samsung	EP-TA800	---	---

1.3 Test Setup Chart



1.4 The Equipment List

Test Item	Radiated Emission				
Test Site	966 chamber1 / (03CH01-WS)				
Tested Date	May 15, 2025				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	R&S	ESR3	101657	Mar. 11, 2025	Mar. 10, 2026
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 05, 2024	Nov. 04, 2025
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Aug. 09, 2024	Aug. 08, 2025
Preamplifier	EMC	EMC02325	980225	Jun. 17, 2024	Jun. 16, 2025
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 02, 2024	Oct. 01, 2025
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-001	Oct. 02, 2024	Oct. 01, 2025
LF cable 11M	EMC	EMCCFD400-NW-N W-11000	200801	Oct. 02, 2024	Oct. 01, 2025
LF cable 1M	EMC	EMCCFD400-NM-N M-1000	160502	Oct. 02, 2024	Oct. 01, 2025
Measurement Software	Sporton	SENSE-EMI	V5.11	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Tested Date	May 19, 2025				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	R&S	ESR3	101658	Feb. 25, 2025	Feb. 24, 2026
LISN	R&S	ENV216	101579	May 07, 2025	May 06, 2026
LISN (Support Unit)	SCHWARZBECK	Schwarzbeck 8127	8127-666	Mar. 21, 2025	Mar. 20, 2026
RF Cable-CON	EMC	EMCCFD300-BM-B M-6000	50821	Oct. 09, 2024	Oct. 08, 2025
50 ohm terminal	NA	50	01	Jun. 19, 2024	Jun. 18, 2025
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Tested Date	May 22, 2025				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101498	Nov. 12, 2024	Nov. 11, 2025
Power Meter	Anritsu	ML2495A	1241002	Nov. 26, 2024	Nov. 25, 2025
Power Sensor	Anritsu	MA2411B	1207366	Nov. 26, 2024	Nov. 25, 2025
DC POWER SOURCE	GW INSTRON	GPC-6030D	GES855395	Nov. 06, 2024	Nov. 05, 2025
TEMP&HUMIDITY CHAMBER	GIANT FORCE	GCT-225-40-SP-SD	MAF1212-002	Jul. 01, 2024	Jun. 30, 2025
Note: Calibration Interval of instruments listed above is one year.					

1.5 Test Standards

47 CFR FCC Part 15.225

ANSI C63.10-2013

1.6 Deviation from Test Standard and Measurement Procedure

None

1.7 Measurement Uncertainty

The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor ($k=2$)).

Measurement Uncertainty	
Parameters	Uncertainty
Bandwidth	± 34.130 Hz
Radiated emission ≤ 30 MHz	± 2.3 dB
Radiated emission ≤ 1 GHz	± 3.41 dB
Temperature	± 0.4 °C
AC conducted emission	± 2.92 dB

2 Test Configuration

2.1 Testing Facility

Test Laboratory	International Certification Corporation
Test Site	CO01-WS, 03CH01-WS, TH01-WS
Address of Test Site	No.3-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

- FCC Designation No.: TW2732
- FCC site registration No.: 181692
- ISED#: 10807A
- CAB identifier: TW2732

2.2 The Worst Test Modes and Channel Details

Test item	Mode	Test Frequency (MHz)	Test Mode
AC Power Line Conducted Emissions	Charging	---	2
Field strength of fundamental emissions	NFC	13.56	1
Unwanted Emissions into Restricted Frequency Bands < 30MHz	NFC	13.56	1
Unwanted Emissions into Restricted Frequency Bands > 30MHz	NFC	13.56	1
	Charging	---	2
Frequency tolerance	NFC	13.56	1
20dB bandwidth	NFC	13.56	1
NOTE: 1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The Z-plane result was found as the worst case and was shown in this report. 2. The test configurations are listed as follows: 1) Mode 1: Battery mode 2) Mode 2: Charging mode			

3 Transmitter Test Results

3.1 20dB and Occupied Bandwidth

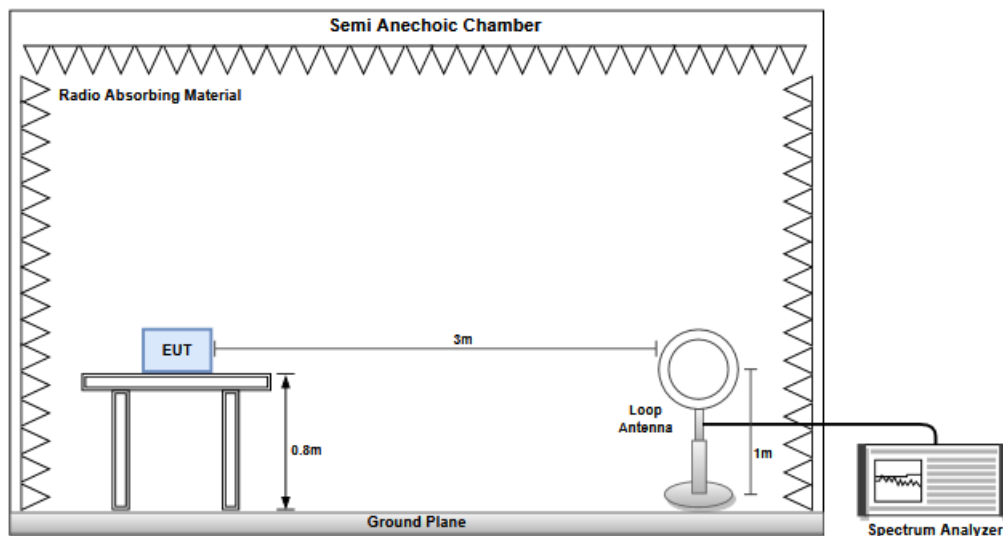
3.1.1 Limit of 20dB Bandwidth

The upper and lower frequency of the 20dB bandwidth shall within 13.553~13.567 MHz

3.1.2 Test Procedures

1. Set resolution bandwidth (RBW) = 1 kHz, Video bandwidth = 3 kHz.
2. Detector = Peak, Trace mode = max hold.
3. Sweep = auto couple, Allow the trace to stabilize.
4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 20dB relative to the maximum level measured in the fundamental emission.

3.1.3 Test Setup



3.1.4 Test Result

Ambient Condition	23°C / 63%	Tested By	Brad Wu
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Refer to Appendix A.

3.2 Field Strength of Fundamental Emissions

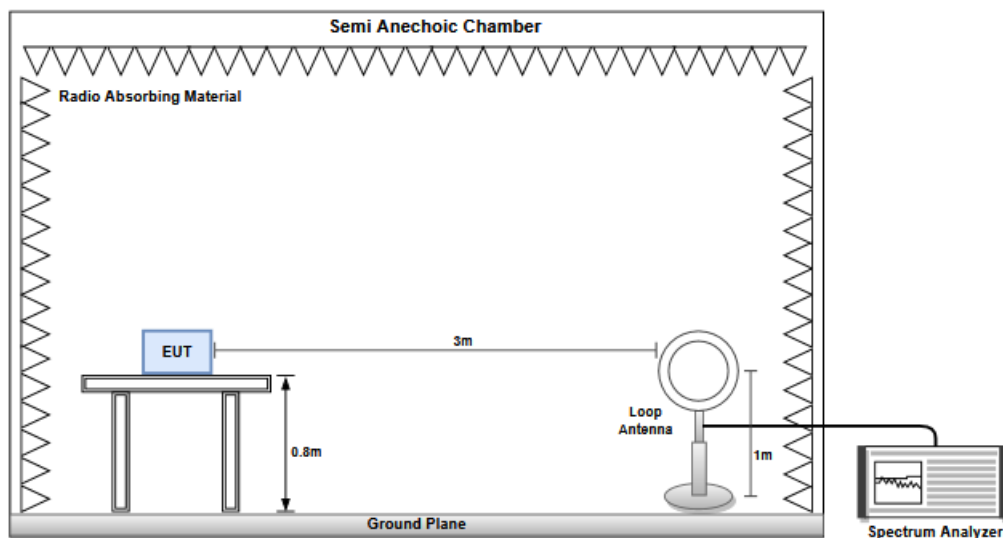
3.2.1 Field Strength of Fundamental Emissions

The field strength of any emissions within the band 13.553-13.567 MHz shall not exceed 15,848 microvolts/meter at 30 meters.

3.2.2 Test Procedures

1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at a height of 0.8 m test table above the ground plane.
2. Measurement is made with the antenna positioned in both the open and close planes of polarization. . Distance between EUT and antenna is 3 m.
3. This investigation is performed with the EUT rotated 360°, and the antenna rotated to repeat the measurements for both the open and close antenna polarizations.

3.2.3 Test Setup



3.2.4 Test Result

Ambient Condition	25°C / 63%	Tested By	Allen Lee
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Refer to Appendix B.

3.3 Unwanted Emissions into Restricted Frequency Bands

3.3.1 Limit of Unwanted Emissions into Restricted Frequency Bands

- 1) Within the bands 13.410-13.553 MHz and 13.567-13.710 MHz, the field strength of any emissions shall not exceed 334 microvolts/meter at 30 meters.
- 2) Within the bands 13.110-13.410 MHz and 13.710-14.010 MHz the field strength of any emissions shall not exceed 106 microvolts/meter at 30 meters.
- 3) The field strength of any emissions appearing outside of the 13.110-14.010 MHz band shall not exceed the general radiated emission limits in below table

Restricted Band Emissions Limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1:
Qusai-Peak value is measured for frequency below 1GHz except for 9–90 kHz, 110–490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit

Note 2:
Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

3.3.2 Test Procedures

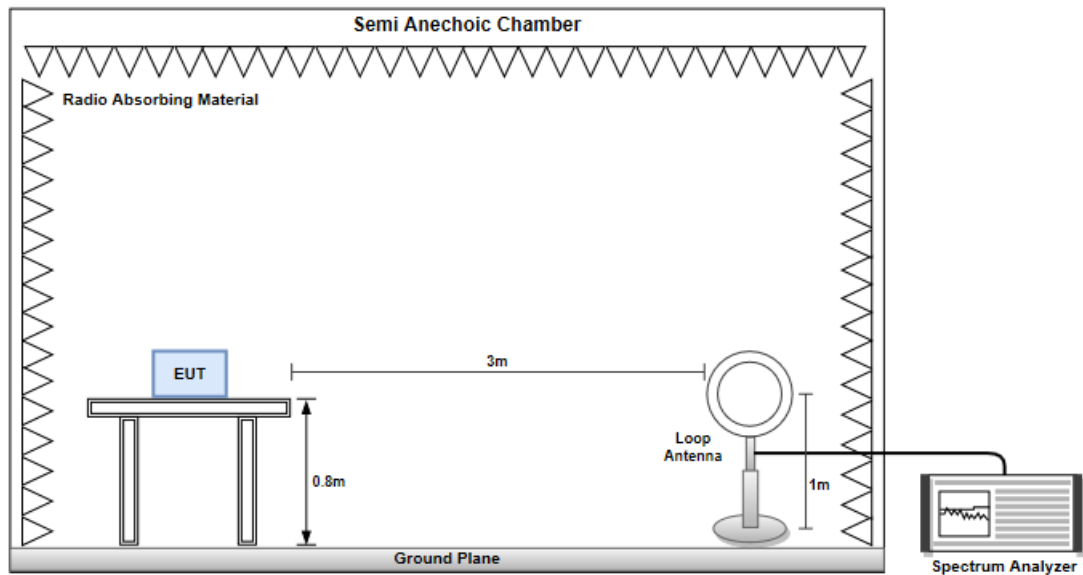
4. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at a height of 0.8 m test table above the ground plane.
5. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
6. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.

Note:

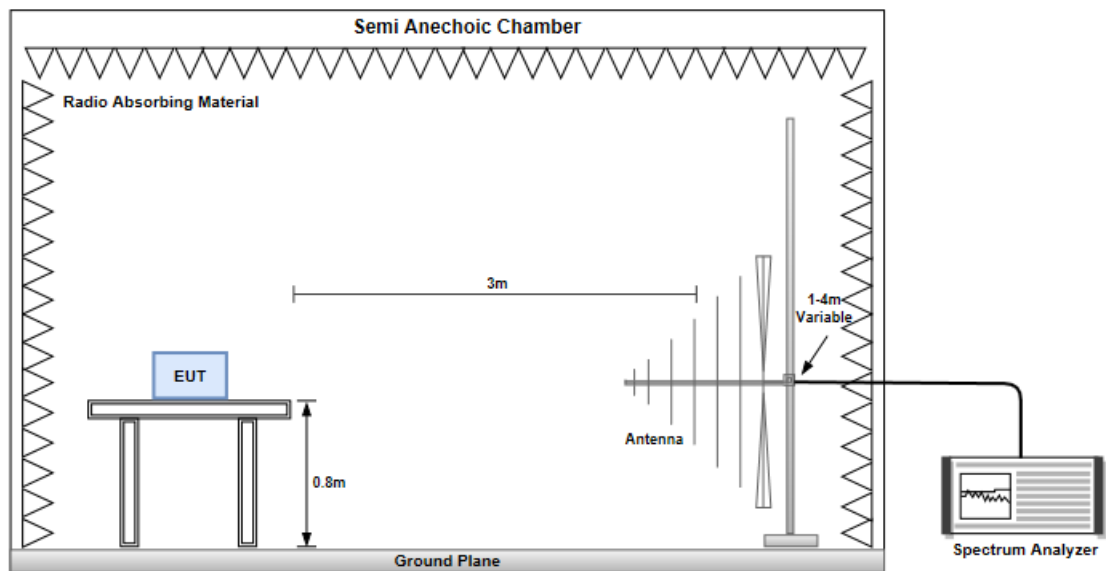
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.

3.3.3 Test Setup

Radiated Emissions below 30MHz



Radiated Emissions below 1 GHz



3.3.4 Test Results

Ambient Condition	25°C / 63%	Tested By	Allen Lee
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Refer to Appendix C.

3.4 Frequency Stability

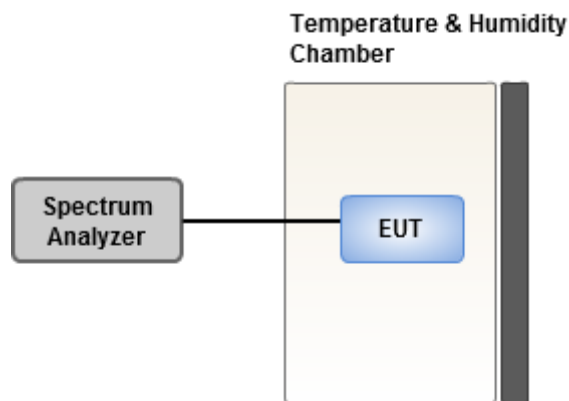
3.4.1 Frequency Stability Limit

Carrier frequency stability shall be maintained to $\pm 0.01\%$ (± 100 ppm).

3.4.2 Test Procedures

Test Method	
☒	Refer as ANSI C63.10, clause 6.8 for frequency stability tests
☒	Frequency stability with respect to ambient temperature
☒	Frequency stability when varying supply voltage
☐	For conducted measurement.
☒	For radiated measurement. The equipment to be measured and the test antenna shall be oriented to obtain the maximum emitted power level.

3.4.3 Test Setup



3.4.4 Test Result

Ambient Condition	23°C / 63%	Tested By	Brad Wu
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Refer to Appendix D.

3.5 AC Power Line Conducted Emissions

3.5.1 Limit of AC Power Line Conducted Emissions

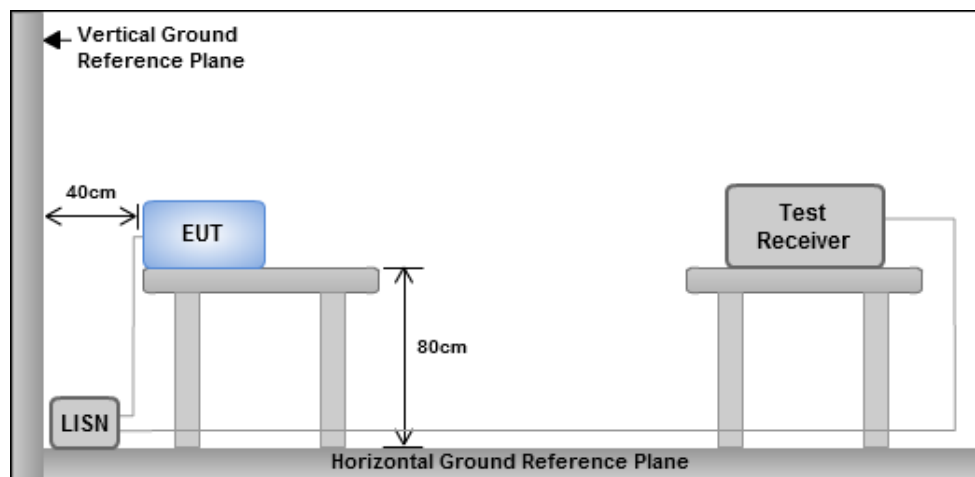
Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: * Decreases with the logarithm of the frequency.

3.5.2 Test Procedures

1. The device is placed on a test table, raised 80 cm above the reference ground plane. The vertical conducting plane is located 40 cm to the rear of the device.
2. The device is connected to line impedance stabilization network (LISN) and other accessories are connected to other LISN. Measured levels of AC power line conducted emission are across the 50 Ω LISN port.
3. AC conducted emission measurements is made over frequency range from 150 kHz to 30 MHz.
4. This measurement was performed with AC 120V / 60Hz.

3.5.3 Test Setup



- Note: 1. Support units were connected to second LISN.
 2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

3.5.4 Test Result

Refer to Appendix E.

4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corporation (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website <http://www.icertifi.com.tw>.

Linkou

Tel: 886-2-2601-1640

No.30-2, Ding Fwu Tsuen, Lin Kou
District, New Taipei City, Taiwan
(R.O.C.)

Kwei Shan

Tel: 886-3-271-8666

No.3-1, Lane 6, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)
No.2-1, Lane 6, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)

Kwei Shan Site II

Tel: 886-3-271-8640

No.14-1, Lane 19, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)

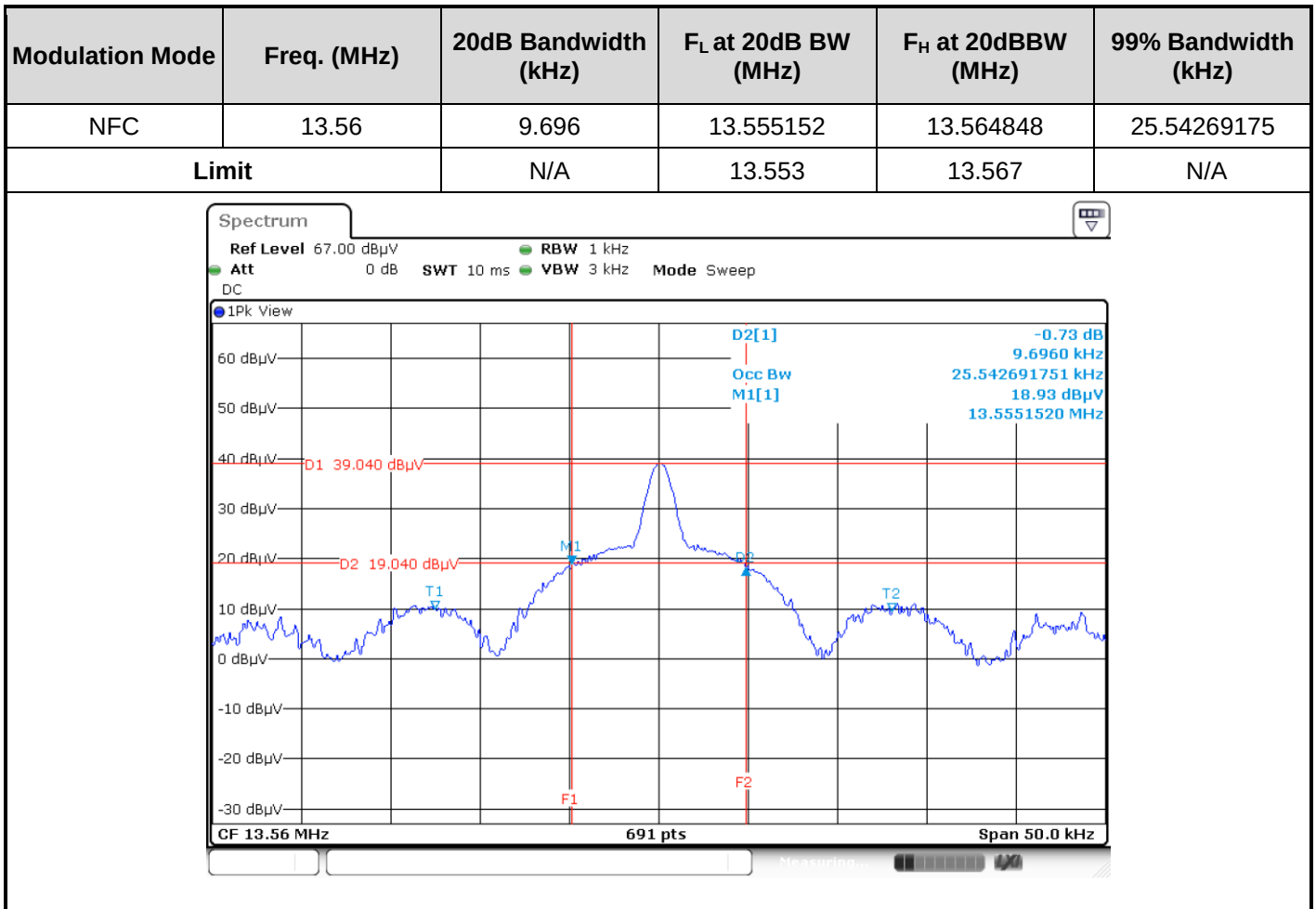
If you have any suggestion, please feel free to contact us as below information.

Tel: 886-3-271-8666

Fax: 886-3-318-0345

Email: ICC_Service@icertifi.com.tw

==END==





Field Strength of Fundamental Emissions Result							
Polarization	Emission Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	SA Reading (dBuV)	Factor (dB)	Remark
Parallel	13.56	58.31	105.39	-47.08	34.60	23.71	QP

Field Strength of Fundamental Emissions Result							
Polarization	Emission Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	SA Reading (dBuV)	Factor (dB)	Remark
Perpendicular	13.56	54.01	105.39	-51.38	30.30	23.71	QP

Field Strength of Fundamental Emissions Result							
Polarization	Emission Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	SA Reading (dBuV)	Factor (dB)	Remark
Ground parallel	13.56	49.21	105.39	-56.18	25.50	23.71	QP

Note: Emission level = SA reading + Factor

Unwanted Emissions (Below 30MHz)

Field Strength of Fundamental Emissions Result							
Polarization	Emission Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	SA Reading (dBuV)	Factor(dB)	Remark
Parallel	13.41	27.59	62.00	-34.41	3.90	23.69	QP
Parallel	13.55	34.91	71.87	-36.96	11.20	23.71	QP
Parallel	13.57	35.19	71.86	-36.67	11.47	23.72	QP
Parallel	13.71	27.74	61.81	-34.07	4.00	23.74	QP
Parallel	27.12	23.74	49.54	-25.80	3.00	20.74	QP

Field Strength of Fundamental Emissions Result							
Polarization	Emission Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	SA Reading (dBuV)	Factor(dB)	Remark
Perpendicular	13.41	27.69	62.00	-34.31	4.00	23.69	QP
Perpendicular	13.55	31.01	71.87	-40.86	7.30	23.71	QP
Perpendicular	13.57	31.12	71.86	-40.74	7.40	23.72	QP
Perpendicular	13.71	27.64	61.81	-34.17	3.90	23.74	QP
Perpendicular	27.12	23.34	49.54	-26.20	2.60	20.74	QP

Field Strength of Fundamental Emissions Result							
Polarization	Emission Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	SA Reading (dBuV)	Factor(dB)	Remark
Ground parallel	13.41	27.69	62.00	-34.31	4.00	23.69	QP
Ground parallel	13.55	28.41	71.87	-43.46	4.70	23.71	QP
Ground parallel	13.57	28.52	71.86	-43.34	4.80	23.72	QP
Ground parallel	13.71	27.84	61.81	-33.97	4.10	23.74	QP
Ground parallel	27.12	23.64	49.54	-25.90	2.90	20.74	QP

Note: Emission level = SA reading + Factor

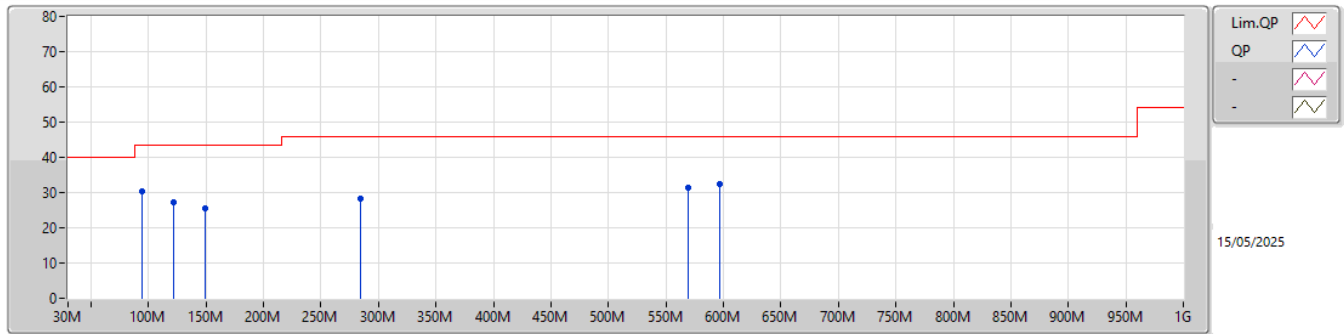


Unwanted Emissions (30MHz ~ 1GHz)

Summary

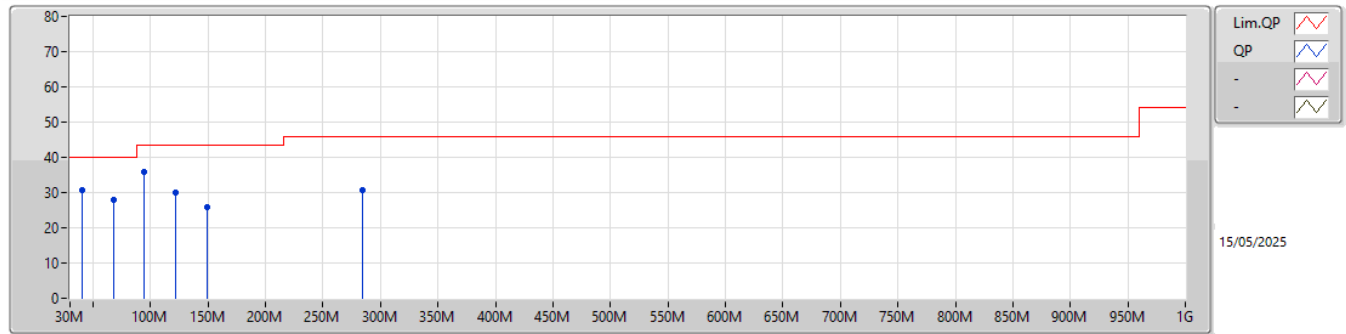
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	94.9M	35.97	43.50	-7.53	Vertical
Mode 2	Pass	PK	48.4M	32.21	40.00	-7.79	Vertical

Mode 1



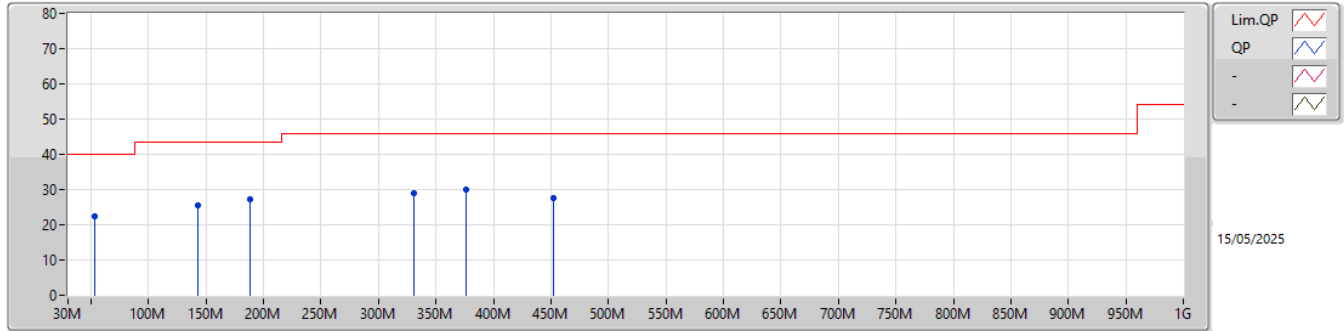
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
PK	94.9M	30.51	43.50	-12.99	-14.02	3	Horizontal	-	-	-	44.53	13.20	1.00	28.22		
PK	122M	27.35	43.50	-16.15	-10.84	3	Horizontal	-	-	-	38.19	16.30	1.10	28.24		
PK	149.1M	25.56	43.50	-17.94	-8.82	3	Horizontal	-	-	-	34.38	18.22	1.21	28.25		
PK	284.7M	28.29	46.00	-17.71	-8.23	3	Horizontal	-	-	-	36.52	18.29	1.72	28.24		
PK	569.5M	31.54	46.00	-14.46	-1.82	3	Horizontal	-	-	-	33.36	24.08	2.29	28.19		
PK	596.6M	32.46	46.00	-13.54	-1.18	3	Horizontal	-	-	-	33.64	24.63	2.37	28.18		

Mode 1



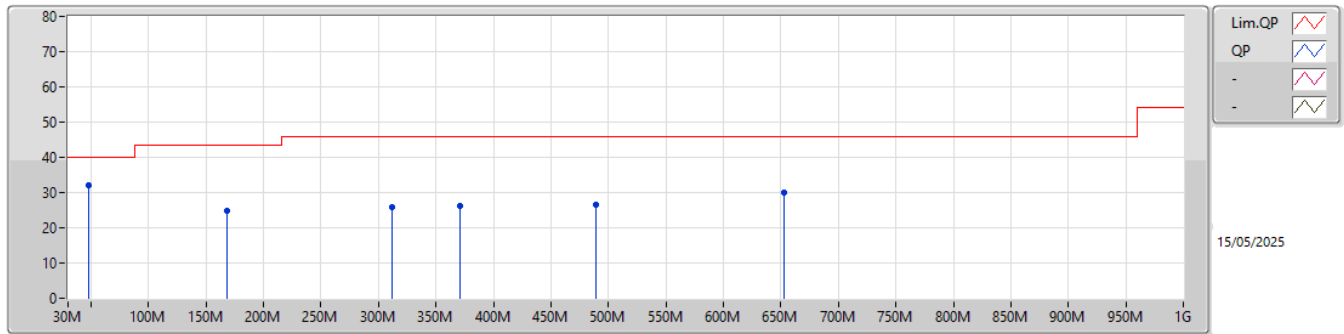
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
PK	40.6M	30.83	40.00	-9.17	-9.02	3	Vertical	-	-	-	39.85	18.50	0.59	28.11		
PK	67.8M	28.08	40.00	-11.92	-10.25	3	Vertical	-	-	-	38.33	17.08	0.84	28.17		
PK	94.9M	35.97	43.50	-7.53	-14.02	3	Vertical	-	-	-	49.99	13.20	1.00	28.22		
PK	122M	30.02	43.50	-13.48	-10.84	3	Vertical	-	-	-	40.86	16.30	1.10	28.24		
PK	149.1M	26.01	43.50	-17.49	-8.82	3	Vertical	-	-	-	34.83	18.22	1.21	28.25		
PK	284.7M	30.61	46.00	-15.39	-8.23	3	Vertical	-	-	-	38.84	18.29	1.72	28.24		

Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
PK	52.7M	22.42	40.00	-17.58	-8.24	3	Horizontal	-	-	-	30.66	19.17	0.73	28.14		
PK	142.5M	25.47	43.50	-18.03	-9.02	3	Horizontal	-	-	-	34.49	18.05	1.18	28.25		
PK	188.5M	27.11	43.50	-16.39	-10.99	3	Horizontal	-	-	-	38.10	15.90	1.38	28.27		
PK	330.6M	29.01	46.00	-16.99	-7.10	3	Horizontal	-	-	-	36.11	19.30	1.81	28.21		
PK	376M	30.05	46.00	-15.95	-5.98	3	Horizontal	-	-	-	36.03	20.34	1.86	28.18		
PK	452.6M	27.45	46.00	-18.55	-4.11	3	Horizontal	-	-	-	31.56	22.10	1.98	28.19		

Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
PK	48.4M	32.21	40.00	-7.79	-8.26	3	Vertical	-	-	-	40.47	19.20	0.68	28.14		
PK	168M	24.71	43.50	-18.79	-8.97	3	Vertical	-	-	-	33.68	18.00	1.29	28.26		
PK	311.5M	25.80	46.00	-20.20	-7.46	3	Vertical	-	-	-	33.26	18.96	1.80	28.22		
PK	370.4M	26.24	46.00	-19.76	-6.22	3	Vertical	-	-	-	32.46	20.12	1.85	28.19		
PK	489.5M	26.59	46.00	-19.41	-3.49	3	Vertical	-	-	-	30.08	22.68	2.03	28.20		
PK	652.5M	30.00	46.00	-16.00	-0.08	3	Vertical	-	-	-	30.08	25.50	2.51	28.09		

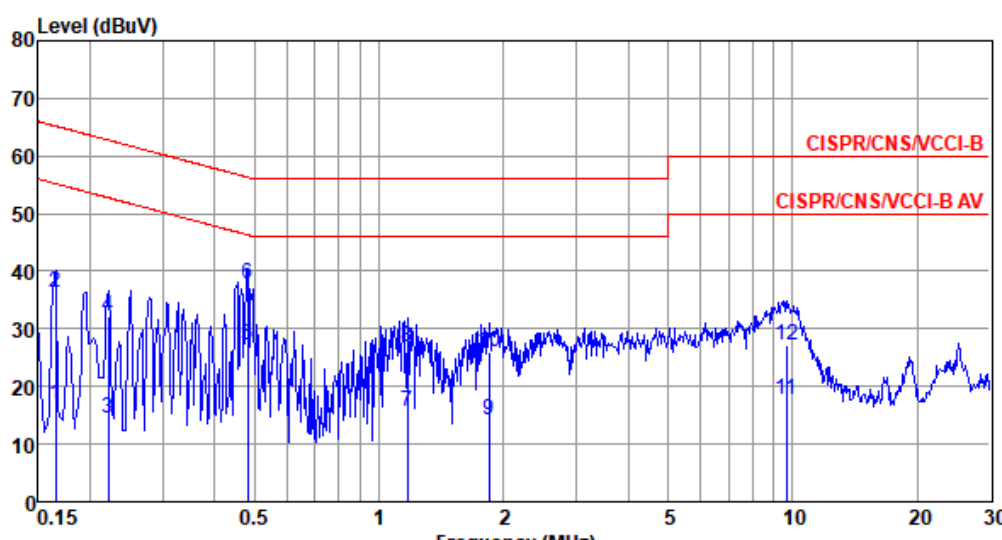


Frequency: 13.56 MHz	Frequency Drift (ppm)			
Temperature (°C)	0 minute	2 minutes	5 minutes	10 minutes
T20°C Vmax	5.16	5.90	5.16	5.90
T20°C Vmin	4.42	4.42	5.16	5.16
T60°C Vnom	11.80	11.06	12.54	13.27
T50°C Vnom	10.32	9.59	8.85	9.59
T40°C Vnom	8.11	8.85	8.11	8.85
T30°C Vnom	6.64	5.90	6.64	6.64
T20°C Vnom	3.69	5.16	3.69	5.90
T10°C Vnom	2.21	1.47	2.95	2.95
T0°C Vnom	2.95	2.21	2.95	3.69
T-10°C Vnom	1.47	2.95	2.21	1.47
T-20°C Vnom	-0.74	0.74	1.47	0.74
Vnom [V]: 3.87		Vmax [V]: 4.45		Vmin [V]: 3.6
Tnom [°C]: 20		Tmax [°C]: 60		Tmin [°C]: -20



Mode	Charging mode																																																																																																																																										
Power Phase	Line																																																																																																																																										
Test by : Roger Lu Temperature: 25°C Humidity: 63%																																																																																																																																											
Level (dBuV) Frequency (MHz) <table><tr><th></th><th>Freq MHz</th><th>Level dBuV</th><th>Limit Line dBuV</th><th>Over Limit dB</th><th>Read Level dBuV</th><th>Factor dB</th><th>Cable loss dB</th><th>Aux dB</th><th>Remark</th></tr><tr><td>1</td><td>0.168</td><td>18.91</td><td>55.08</td><td>-36.17</td><td>8.95</td><td>9.65</td><td>0.08</td><td>0.23</td><td>Average</td></tr><tr><td>2</td><td>0.168</td><td>36.25</td><td>65.08</td><td>-28.83</td><td>26.29</td><td>9.65</td><td>0.08</td><td>0.23</td><td>QP</td></tr><tr><td>3</td><td>0.195</td><td>20.16</td><td>53.80</td><td>-33.64</td><td>10.18</td><td>9.64</td><td>0.08</td><td>0.26</td><td>Average</td></tr><tr><td>4</td><td>0.195</td><td>34.93</td><td>63.80</td><td>-28.87</td><td>24.95</td><td>9.64</td><td>0.08</td><td>0.26</td><td>QP</td></tr><tr><td>5</td><td>0.454</td><td>26.03</td><td>46.80</td><td>-20.77</td><td>15.97</td><td>9.64</td><td>0.09</td><td>0.33</td><td>Average</td></tr><tr><td>6</td><td>0.454</td><td>32.13</td><td>56.80</td><td>-24.67</td><td>22.07</td><td>9.64</td><td>0.09</td><td>0.33</td><td>QP</td></tr><tr><td>7*</td><td>0.484</td><td>31.21</td><td>46.27</td><td>-15.06</td><td>21.14</td><td>9.64</td><td>0.09</td><td>0.34</td><td>Average</td></tr><tr><td>8</td><td>0.484</td><td>37.37</td><td>56.27</td><td>-18.90</td><td>27.30</td><td>9.64</td><td>0.09</td><td>0.34</td><td>QP</td></tr><tr><td>9</td><td>1.147</td><td>20.94</td><td>46.00</td><td>-25.06</td><td>10.77</td><td>9.65</td><td>0.11</td><td>0.41</td><td>Average</td></tr><tr><td>10</td><td>1.147</td><td>27.22</td><td>56.00</td><td>-28.78</td><td>17.05</td><td>9.65</td><td>0.11</td><td>0.41</td><td>QP</td></tr><tr><td>11</td><td>9.705</td><td>16.59</td><td>50.00</td><td>-33.41</td><td>6.07</td><td>9.72</td><td>0.30</td><td>0.50</td><td>Average</td></tr><tr><td>12</td><td>9.705</td><td>24.40</td><td>60.00</td><td>-35.60</td><td>13.88</td><td>9.72</td><td>0.30</td><td>0.50</td><td>QP</td></tr></table>											Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor dB	Cable loss dB	Aux dB	Remark	1	0.168	18.91	55.08	-36.17	8.95	9.65	0.08	0.23	Average	2	0.168	36.25	65.08	-28.83	26.29	9.65	0.08	0.23	QP	3	0.195	20.16	53.80	-33.64	10.18	9.64	0.08	0.26	Average	4	0.195	34.93	63.80	-28.87	24.95	9.64	0.08	0.26	QP	5	0.454	26.03	46.80	-20.77	15.97	9.64	0.09	0.33	Average	6	0.454	32.13	56.80	-24.67	22.07	9.64	0.09	0.33	QP	7*	0.484	31.21	46.27	-15.06	21.14	9.64	0.09	0.34	Average	8	0.484	37.37	56.27	-18.90	27.30	9.64	0.09	0.34	QP	9	1.147	20.94	46.00	-25.06	10.77	9.65	0.11	0.41	Average	10	1.147	27.22	56.00	-28.78	17.05	9.65	0.11	0.41	QP	11	9.705	16.59	50.00	-33.41	6.07	9.72	0.30	0.50	Average	12	9.705	24.40	60.00	-35.60	13.88	9.72	0.30	0.50	QP
	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor dB	Cable loss dB	Aux dB	Remark																																																																																																																																		
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4	0.195	34.93	63.80	-28.87	24.95	9.64	0.08	0.26	QP																																																																																																																																		
5	0.454	26.03	46.80	-20.77	15.97	9.64	0.09	0.33	Average																																																																																																																																		
6	0.454	32.13	56.80	-24.67	22.07	9.64	0.09	0.33	QP																																																																																																																																		
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	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor dB	Cable loss dB	Aux dB	Remark																																																																																																																																		
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