

Test Report No:
2570766R-RFUSV07S-A

TEST REPORT

FCC Rules&Regulations

Product Name	15.6" POS Panel PC
Brand Name	Amobile
Model No.	TC1560M-G510
FCC ID	2AQ5W-TC1560M-G510
Applicant's Name / Address	AMobile Solutions Corp. 8F.-1, No.700, Zhongzheng Rd., Zhonghe Dist., New Taipei City 235, Taiwan
Manufacturer's Name / Address	AMobile Solutions Corp. 8F.-1, No.700, Zhongzheng Rd., Zhonghe Dist., New Taipei City 235, Taiwan
Test Method Requested, Standard	FCC CFR Title 47 Part 15 Subpart C Section 15.225 ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024
Verdict Summary	IN COMPLIANCE
Documented By	 Hailey Peng
Approved By	 Rueyyan Lin
Date of Receipt	Jul. 25, 2025
Date of Issue	Jun. 11, 2026
Report Version	V1.0

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Competences and Guarantees

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

IMPORTANT: No parts of this report may be reproduced or quoted out of context, in any form or by any means, except in full, without the previous written permission of DEKRA.

General Conditions

1. The test results relate only to the samples tested.
2. The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.
3. This report must not be used to claim product endorsement by TAF or any agency of the government.
4. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.
5. Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Revision History

Version	Description	Issued Date
V1.0	Initial issue of report	Jun. 11, 2026

Summary of Test Result

Report Clause	Test Items	Result (PASS/FAIL)	Remark
3	AC Power Line Conducted Emission	PASS	-
4	Emission Bandwidth	PASS	-
6	Field Strength of Fundamental Emissions and Spectrum Mask	PASS	-
7	Radiated Emission	PASS	-
5	Frequency Stability	PASS	-

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.

Comments and Remarks

The product specification and testing instructions for the EUT declared in the report are provided by the manufacturer who will take all responsibilities for the accuracy.

1. General Information

1.1. EUT Description

Frequency Range	13.553 ~ 13.567 MHz
Operation Frequency	13.56 MHz
Channel Number	1 Channel
Type of Modulation	ASK

Accessories Information				
No.	Equipment Name	Brand Name	Model No.	Rating
1	AC Adapter	CWT	2AEK0655C	INPUT: 100~240V, 50/60Hz, 1.7A OUTPUT: 5.0V =, 3.0A, 15.0W ; 9.0V =, 3.0A, 27.0W ; 12.0V =, 3.0A, 36.0W ; 15.0V =, 3.0A, 45.0W ; 20.0V =, 3.25A, 65.0W
No.	Equipment Name	Description		
2	Adapter cable	Non-Shielded, 1m (USB Type-C to Type C cable)		
3	Stand Hub PCBA	--		
4	USB A to Type A cable	Non-Shielded, 0.15m		
5	USB C to Wire to board cable	Non-Shielded, 0.3m		

Antenna Information				
Ant.	Brand Name	Model No.	Type	Gain (dBi)
1	AWAN	3452242000550M	Loop	N/A

1.2. EUT Information

EUT Power Type	From Adapter / Host system
----------------	----------------------------

1.3. Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024

The following reference test guidance is not within the scope of accreditation of TAF:

- ♦ FCC KDB 174176 D01 v01r02
- ♦ FCC KDB 414788 D01 v01r01

1.4. Testing Location Information

Testing Location Information		
Test Laboratory : DEKRA Testing and Certification Co., Ltd.		
1 (TAF: 3024)	ADD: No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C. TEL: +886-3-582-8001 FAX: +886-3-582-8958 Test site Designation No. TW3024 with FCC. Conformity Assessment Body Identifier (CABID) TW3024 with ISED.	
2 (TAF: 3024)	ADD: No.372, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C. TEL: +886-3-582-8001 FAX: +886-3-582-8958 Test site Designation No. TW3024 with FCC. Conformity Assessment Body Identifier (CABID) TW3024 with ISED.	
Test site number for address 1 includes HC-SR02 and HC-CB10. Test site number for address 2 includes HC-CB02, HC-CB04, HC-SR10 and HC-SR12.		

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
AC Conduction Emission	HC-SR02	Cyril Chen	25 / 65	2025/11/21
Radiated Emission	HC-CB04	Ling Chen, Cyril Chen, Brook Cheng	20.1~24.2 / 58~63	2025/11/13~2026/05/05

1.5. Measurement Uncertainty

Uncertainties have been calculated according to the DEKRA internal document with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)).

Test item	Uncertainty
AC Power Line Conducted Emission	± 2.39 dB
Emission Bandwidth	± 282.55 Hz
Field Strength of Fundamental Emissions and Spectrum Mask	± 3.72 dB
Radiated Emission	± 3.72 dB
Frequency Stability	± 282.55 Hz

1.6. List of Test Equipment

HC-SR02

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Cal. Date	Next Cal. Date
EMI Test Receiver	R&S	ESR3	102608	9 kHz - 3.6 GHz	2025/06/30	2026/06/29
Two-Line V-Network	R&S	ENV216	100096	9kHz-30MHz	2025/06/26	2026/06/25
Two-Line V-Network	R&S	ENV216	100092	9kHz-30MHz	2025/05/08	2026/05/07
Coaxial Cable(9 m)	Harbour	RG-400	HC-SR02	9 kHz–2500 MHz	2025/05/08	2026/05/07
EMI Testing System	AUDIX	e3 210616 dekra V9	HC-SR02	N/A	N/A	N/A

HC-CB04

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Cal. Date	Next Cal. Date
Magnetic Loop Antenna	Teseq	HLA 6121	44287	9kHz-30 MHz	2025/10/20	2026/10/19
Signal and Spectrum Analyzer	R&S	FSVA40	101435	10 Hz-40 GHz	2025/05/20	2026/05/19
Trilog Broadband Antenna	Schwarzbeck	VULB 9168	1209	30 MHz-2 GHz	2025/06/17	2026/06/16
Double Ridged Horn Antenna	RF SPIN	DRH18-E	211212A18EN	1G-18GHz	2025/11/03	2026/11/02
Horn Antenna	Schwarzbeck	BBHA 9170	203	18G-40GHz	2025/12/04	2026/12/03
Pre-Amplifier	DEKRA	AP-400C	201801231	18G-40 GHz, 48 dB	2025/10/16	2026/10/15
Coaxial Cable	Huber+Suhner	SF104	HC-CB04	30 MHz-18 GHz, 11m	2025/08/07	2026/08/06
Coaxial Cable	Huber+Suhner, Rosnol	SF102_UP0264	HC-CB04-1	18-40 GHz, 3m	2025/08/13	2026/08/12
Pre-Amplifier	EMEC	EM01G18GA	060835	1-18 GHz, 50 dB	2025/07/09	2026/07/08
Preamplifier	SGH	PRAMP0510	20200703	1G-8GHz	2026/01/10	2027/01/09
Radiated Software	AUDIX	e3 V9	HC-CB04_1	N/A	N/A	N/A

Note: All equipment upon which need to calibrated are with calibration period of 1 year.

2. Test Configuration of EUT

2.1. Test Condition

EUT Operational Condition			
Testing Voltage	Vnom (AC 120V/60Hz)	Vmax (AC 138V/60Hz)	Vmin (AC 108V/60Hz)

2.2. The Worst Case Measurement Configuration

Tests Item	AC Power Line Conducted Emission
Test Condition	AC power line conducted measurement for line and neutral
Operating Mode	Transmit

Tests Item	Emission Bandwidth Frequency Stability
Test Condition	Radiated measurement

Tests Item	Field Strength of Fundamental Emissions and Spectrum Mask Radiated Emission
Test Condition	Radiated measurement
Operating Mode < 1GHz	Transmit

The EUT was performed at X axis, Y axis and Z axis position for radiated spurious emission test. The worst case was found at Y axis, so the measurement will follow this same test configuration.

Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Transmit
1	Wi-Fi 2.4 GHz + Bluetooth + NFC
2	Wi-Fi 5 GHz + Bluetooth + NFC
Refer to Appendix F for Radiated Emission Co-location.	

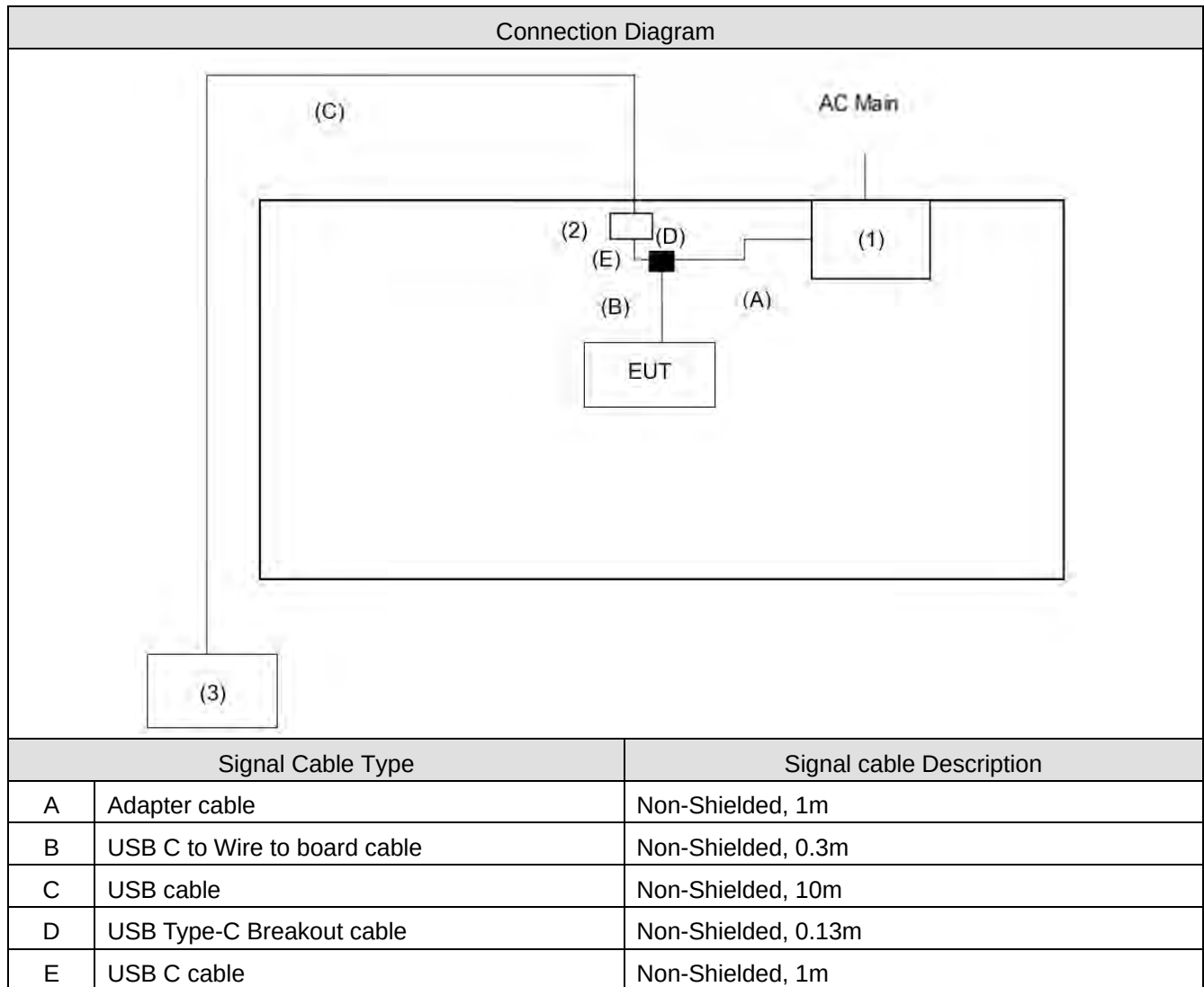
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Test Condition	
Operating Mode	Transmit
1	Wi-Fi 2.4 GHz + Bluetooth + NFC
2	Wi-Fi 5 GHz + Bluetooth + NFC
Refer to DEKRA Test Report No.: 2570766R-RFUSV17S-A2 for Co-location RF Exposure Evaluation.	

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

2.3. Tested System Details

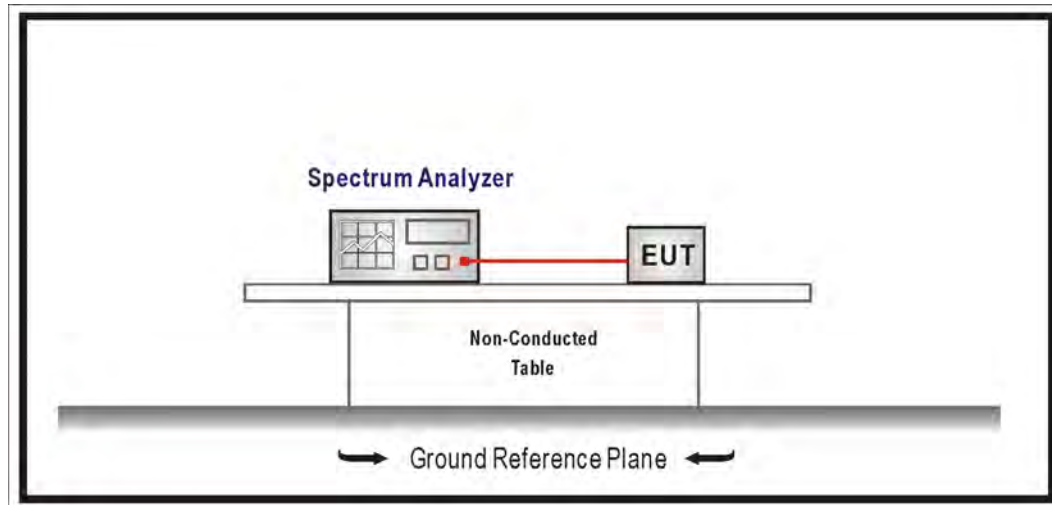
No.	Equipment	Brand Name	Model No.	Serial No.
1	Adaptor	CWT	2AEK0655C	N/A
2	USB adapter	DEKRA	Z2	N/A
3	Notebook	ASUS	BX310U	J5N0CV04S32319B

2.4. Configuration of tested System



4. Emission Bandwidth

4.1. Test Setup



4.2. Test Limit

Intentional radiators must be designed to ensure that the 20dB and 99% emission bandwidth in the specific band 13.553 ~ 13.567 MHz.

4.3. Test Procedures

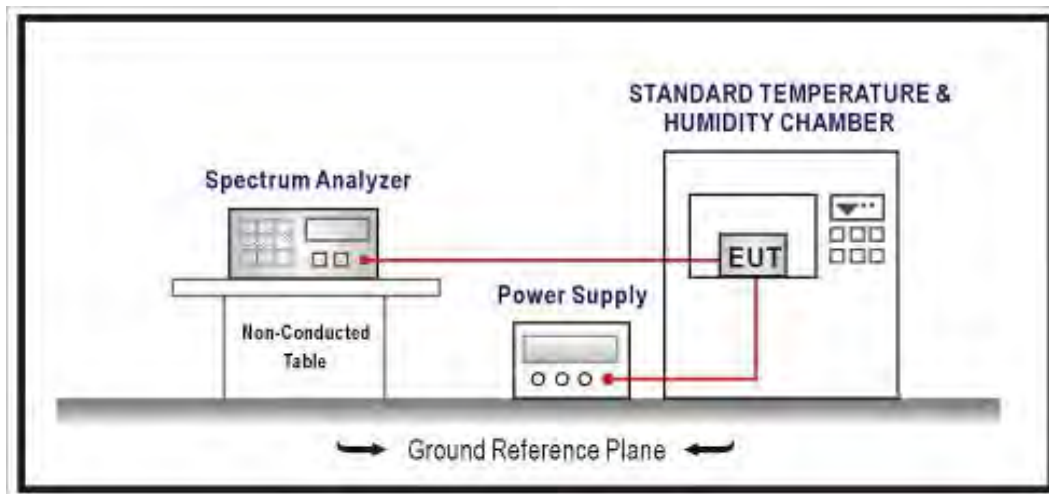
1. For radiated measurement. Loop antenna was rotated about the horizontal and vertical axis and the equipment to be measured and the test antenna shall be oriented to obtain the maximum emitted field strength level.
2. Because the measured signal is CW or CW-like adjusting the RBW per C63.10 would not be practical since measured bandwidth will always follow the RBW and the result will be approximately twice the RBW.

4.4. Test Result of Emission Bandwidth

Refer as Appendix B

5. Frequency Stability

5.1. Test Setup



5.2. Test Limit

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

5.3. Test Procedures

The frequency tolerance of the carrier signal shall be maintained within $\pm 0.01\%$ of the operating frequency over a temperature variation of -20 degrees to 50 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C.

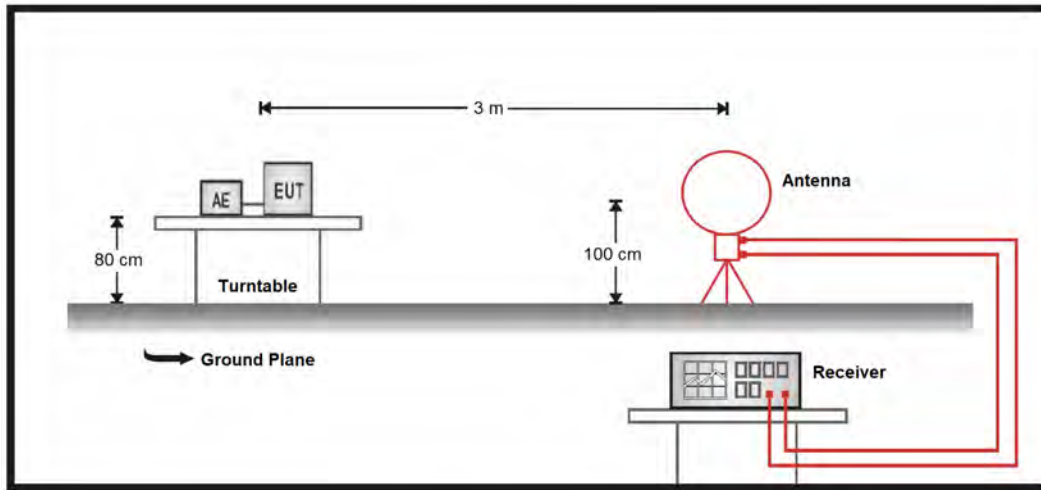
For battery operated equipment, the equipment tests shall be performed using a new battery.

5.4. Test Result of Frequency Stability

Refer as Appendix C

6. Field Strength of Fundamental Emissions and Spectrum Mask

6.1. Test Setup



6.2. Test Limit

Field Strength of Fundamental Emissions			
Frequencies (MHz)	Field Strength (microvolts/meter) at 30m	Field Strength (dBμV/m) at 10m	Field Strength (dBμV/m) at 3m
13.553 – 13.567 MHz	15848	103.08 (QP)	124 (QP)
Quasi peak measurement of the fundamental.			

Spectrum Mask					
Description	Compliance with the spectrum mask is tested using a spectrum analyzer with RBW set to a 9kHz for the band 13.553 – 13.567 MHz.				
Limit	Freq. of Emission (MHz)	Field Strength			
		(uV/m)@30m	(dBuV/m)@30m	(dBuV/m)@10m	(dBuV/m)@3m
	1.705~13.110	30	29.5	48.6	69.5
	13.110~13.410	106	40.5	59.6	80.5
	13.410~13.553	334	50.5	69.6	90.5
	13.553~13.567	15848	84.0	103.1	124.0
	13.567~13.710	334	50.5	69.6	90.5
	13.710~14.010	106	40.5	59.6	80.5
	14.010~30.000	30	29.5	48.6	69.5

6.3. Test Procedure

1. Configure the EUT according to ANSI C63.10. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the loop receiving antenna mounted antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
3. The height of the receiving antenna was fixed at one meter above ground to find the maximum emissions field strength.
4. For Fundamental emissions, use the receiver to measure QP reading.
5. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.
6. Compliance with the spectrum mask is tested using a spectrum analyzer with RBW set to a 9kHz for the band 13.553 – 13.567 MHz.

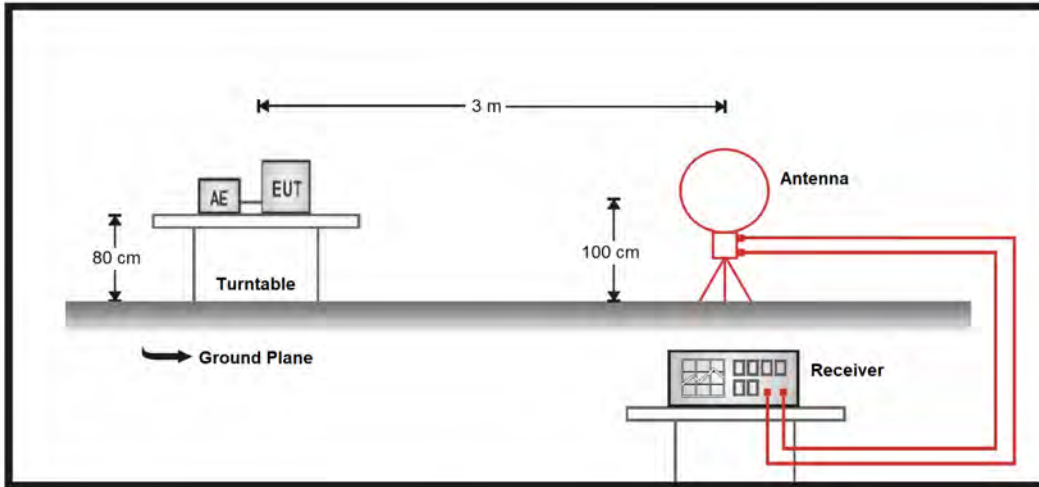
6.4. Test Result of Field Strength of Fundamental Emissions and Spectrum Mask

Refer as Appendix D

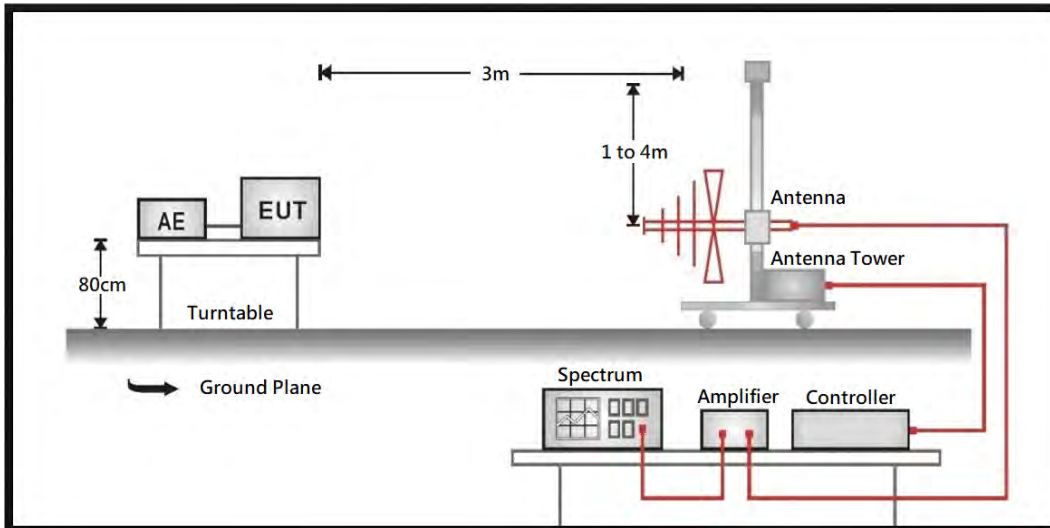
7. Radiated Emission

7.1. Test Setup

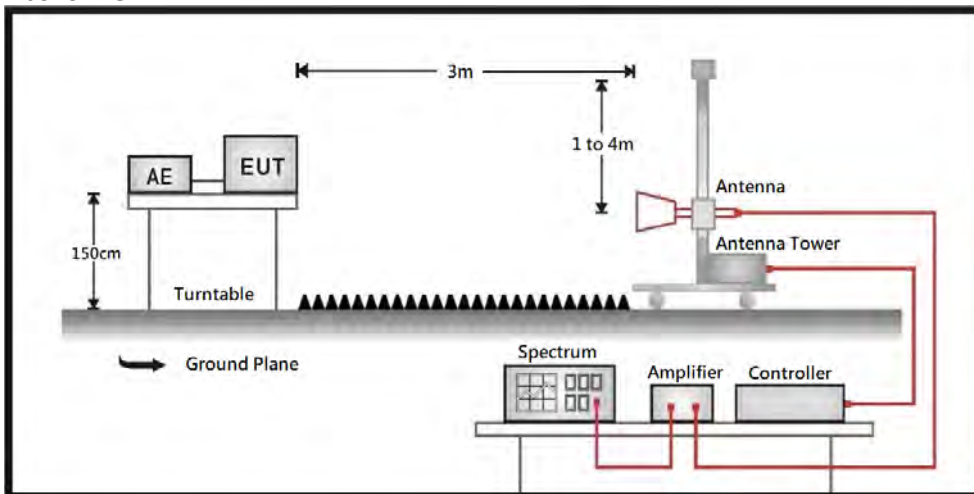
9 kHz ~ 30 MHz



30 MHz ~ 1 GHz



Above 1 GHz



7.2. Test Limit

The field strength of any emissions which appear outside of 13.553 ~ 13.567MHz band shall not exceed the general radiated emissions limits.

Frequency (MHz)	Field strength (uV/m)	Field strength (dBuV/m)	Measurement distance (m)
0.009 – 0.490	2400/F(kHz)	20 log (2400/F(kHz))	300
0.490 – 1.705	24000/F(kHz)	20 log (24000/F(kHz))	30
1.705 - 30	30	29.5	30
30 - 88	100	40	3
88 - 216	150	43.5	3
216 - 960	200	46	3
Above 960	500	54	3

Remarks:

1. Field strength (dBuV/m) = 20 log Field strength (uV/m)
2. In the Above Table, the tighter limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system

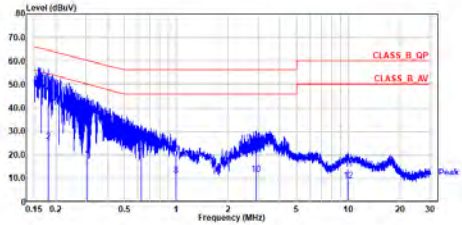
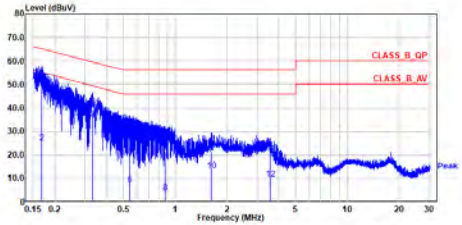
7.3. Test Procedure

1. Configure the EUT according to ANSI C63.10. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
6. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.
7. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High – Low scan is not required in this case.

7.4. Test Result of Radiated Emission

Refer as Appendix E

Appendix A. Test Result of AC Power Line Conducted Emission

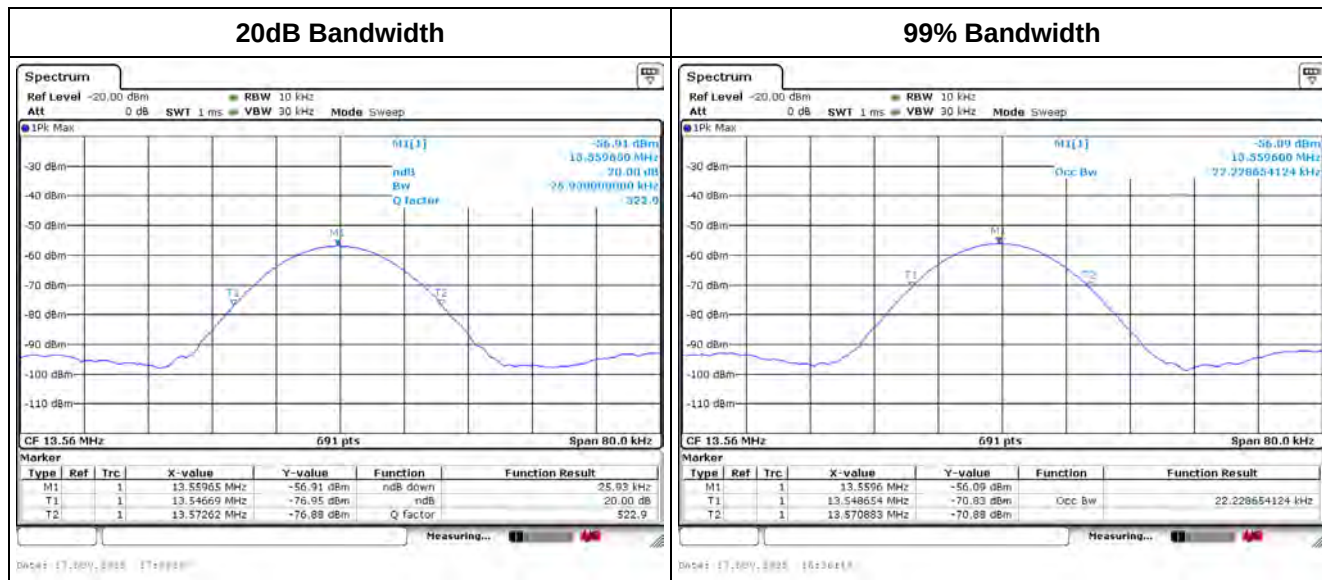
TX_NFC_13.56MHz_Line										TX_NFC_13.56MHz_Neutral									
Site : HC-SR02 Condition : ---,Line Model No : TX_NFC_13.56MHz Test By : Cyril Chen										Site : HC-SR02 Condition : ---,Neutral Model No : TX_NFC_13.56MHz Test By : Cyril Chen									
																			
No.	Frequency	Level	Limit	Over	Read	Factor	Remark			No.	Frequency	Level	Limit	Over	Read	Factor	Remark		
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB					MHz	dBuV/m	dBuV/m	dB	dBuV	dB			
1	0.181	44.79	60.43	-19.66	39.17	9.62	QP			1	0.169	47.37	65.83	-17.66	37.75	9.62	QP		
2	0.181	25.53	54.45	-28.92	15.91	9.62	Average			2	0.169	25.19	55.03	-29.84	15.57	9.62	Average		
3	0.384	33.96	60.13	-26.17	24.33	9.61	QP			3	0.332	39.12	59.41	-20.29	29.48	9.64	QP		
4	0.384	19.29	50.13	-30.84	9.66	9.61	Average			4	0.332	14.81	43.43	-34.00	79.17	9.64	Average		
5	0.628	25.18	56.00	-30.82	15.52	9.66	QP			5	0.545	26.47	56.00	-29.53	16.82	9.65	QP		
6	0.628	21.37	46.00	-24.63	11.71	9.66	Average			6	0.545	7.34	46.00	-38.66	-2.31	9.65	Average		
7	0.998	20.59	56.00	-35.41	10.89	9.70	QP			7	0.871	21.48	56.00	-34.52	11.78	9.70	QP		
8	0.998	11.27	46.00	-34.73	1.57	9.70	Average			8	0.871	3.83	46.00	-42.17	-5.87	9.70	Average		
9	2.902	22.19	56.00	-33.81	12.39	9.80	QP			9	1.625	21.36	56.00	-34.64	11.61	9.75	QP		
10	2.902	11.84	46.00	-34.16	2.04	9.80	Average			10	1.625	13.30	46.00	-32.70	3.55	9.75	Average		
11	9.939	14.04	60.00	-45.96	3.96	10.08	QP			11	3.556	20.58	56.00	-35.42	10.73	9.85	QP		
12	9.939	8.98	50.00	-41.02	-1.10	10.08	Average			12	3.556	9.69	46.00	-36.31	-0.16	9.85	Average		

Note:

1. "*" means this data is the worst emission level.
2. Emission Level = Reading Level + Correct Factor
(Correct Factor = LISN Insertion Loss + Cable Loss).
3. Margin = Emission Level - Limit.

Appendix B. Test Result of Emission Bandwidth

Frequency (MHz)	20dB Bandwidth (kHz)	99% Bandwidth (kHz)	Limit (kHz)
13.56	25.930	22.228	-



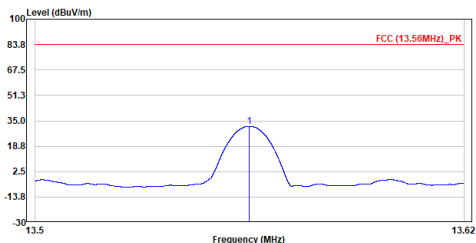
Appendix C. Test Result of Frequency Stability

Test Conditions		Center Frequency			Frequency Tolerance (%)	Limit (%)
		(MHz)				
		f _L	f _C	f _H		
25°C	108.0V	13.54854	13.55971	13.57088	-0.00213	± 0.01
25°C	120.0V	13.54854	13.55971	13.57088	-0.00213	± 0.01
25°C	132.0V	13.54854	13.55971	13.57088	-0.00213	± 0.01

Test Conditions		Center Frequency			Frequency Tolerance (%)	Limit (%)
		(MHz)				
		f _L	f _C	f _H		
-10°C	120.0V	13.54865	13.55971	13.57077	-0.00213	± 0.01
0°C	120.0V	13.54854	13.55971	13.57088	-0.00213	± 0.01
10°C	120.0V	13.54865	13.55977	13.57088	-0.00171	± 0.01
20°C	120.0V	13.54865	13.55977	13.57088	-0.00171	± 0.01
25°C	120.0V	13.54865	13.55977	13.57088	-0.00171	± 0.01
30°C	120.0V	13.54865	13.55977	13.57088	-0.00171	± 0.01
40°C	120.0V	13.54865	13.55983	13.57100	-0.00128	± 0.01
50°C	120.0V	13.54854	13.55971	13.57088	-0.00213	± 0.01

Appendix D.1 Test Result of Field Strength of Fundamental Emissions

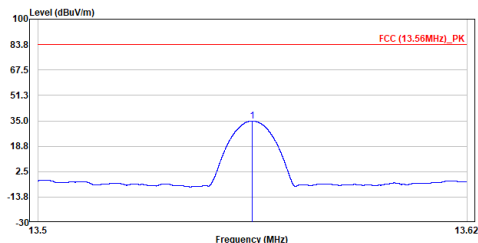
Site :HC-CB04
Condition :3m Loop
Mode :NFC_TX_13.56MHz_EUT_Y_ANT X
Test By :Ling Chen



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB/m	
1	13.560	31.53	84.00	-52.47	50.19	-18.66	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert distance formula
= $40 \cdot \log(3/300) = -80\text{dB @}300\text{m}$
= $40 \cdot \log(3/30) = -40\text{dB @}30\text{m}$
5. The other emission levels were very low against the limit.

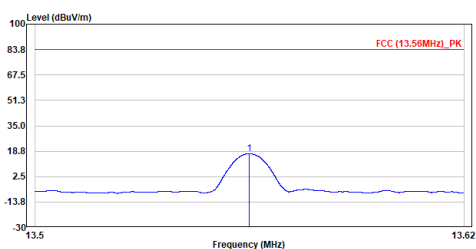
Site :HC-CB04
Condition :3m Loop
Mode :NFC_TX_13.56MHz_EUT_Y_ANT Y
Test By :Ling Chen



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB/m	
1	13.560	34.84	84.00	-49.16	53.50	-18.66	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert distance formula
= $40 \cdot \log(3/300) = -80\text{dB @}300\text{m}$
= $40 \cdot \log(3/30) = -40\text{dB @}30\text{m}$
5. The other emission levels were very low against the limit.

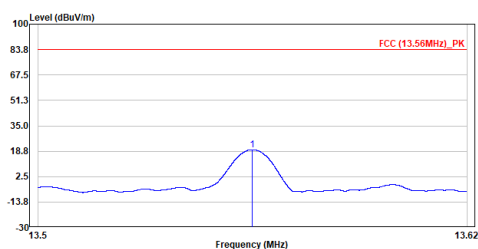
Site :HC-CB04
Condition :3m Loop
Mode :NFC_TX_13.56MHz_EUT_Y_ANT Z
Test By :Ling Chen



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB/m	
1	13.560	17.18	84.00	-66.82	35.84	-18.66	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert distance formula
= $40 \cdot \log(3/300) = -80\text{dB @}300\text{m}$
= $40 \cdot \log(3/30) = -40\text{dB @}30\text{m}$
5. The other emission levels were very low against the limit.

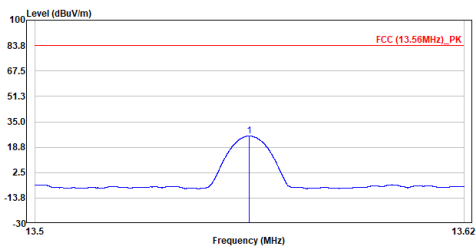
Site :HC-CB04
Condition :3m Loop
Mode :NFC_TX_13.56MHz_EUT_Z_ANT X
Test By :Ling Chen



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB/m	
1	13.560	19.78	84.00	-64.22	38.44	-18.66	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert distance formula
= $40 \cdot \log(3/300) = -80\text{dB @}300\text{m}$
= $40 \cdot \log(3/30) = -40\text{dB @}30\text{m}$
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m Loop
Mode :NFC_TX_13.56MHz_EUT_Z_ANT Y
Test By :Ling Chen

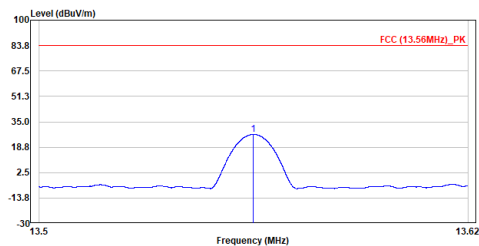


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	13.560	25.89	84.00	-58.11	44.55	-18.66	QP

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert distance formula
 $= 40 \cdot \log(3/300) = -80\text{dB @}300\text{m}$
 $= 40 \cdot \log(3/30) = -40\text{dB @}30\text{m}$
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m Loop
Mode :NFC_TX_13.56MHz_EUT_Z_ANT Z
Test By :Ling Chen



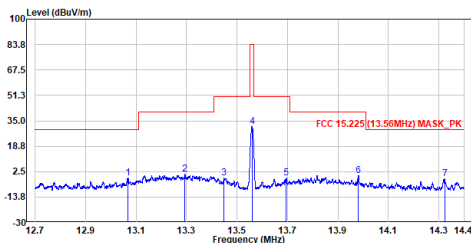
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	13.560	26.92	84.00	-57.08	45.58	-18.66	QP

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert distance formula
 $= 40 \cdot \log(3/300) = -80\text{dB @}300\text{m}$
 $= 40 \cdot \log(3/30) = -40\text{dB @}30\text{m}$
5. The other emission levels were very low against the limit.

Appendix D.2 Test Result of Spectrum Mask

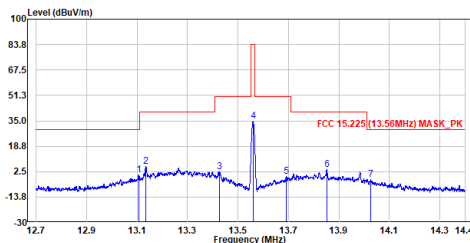
Site :HC-CB04
Condition :3m Loop
Mode :NFC_TX_13.56MHz_EUT_Y_ANT X
Test By :Ling Chen



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB/m	
1	13.068	-1.57	29.50	-31.07	17.11	-18.68	QP
2	13.294	0.88	40.50	-39.62	19.55	-18.67	QP
3	13.449	-1.57	50.50	-52.07	17.09	-18.66	QP
4	13.560	31.47	84.00	-52.53	50.13	-18.66	QP
5	13.695	-1.42	50.50	-51.92	17.23	-18.65	QP
6	13.981	-0.13	40.50	-40.63	18.51	-18.64	QP
7	14.323	-2.23	29.50	-31.73	16.40	-18.63	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert distance formula
= $40 \cdot \log(3/300) = -80\text{dB @300m}$
= $40 \cdot \log(3/30) = -40\text{dB @30m}$
5. The other emission levels were very low against the limit.

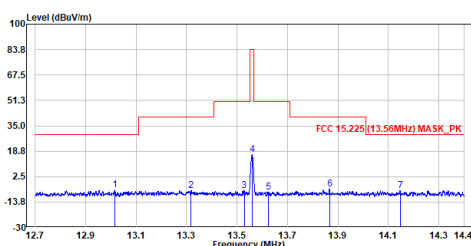
Site :HC-CB04
Condition :3m Loop
Mode :NFC_TX_13.56MHz_EUT_Y_ANT Y
Test By :Ling Chen



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB/m	
1	13.107	0.57	29.50	-28.93	19.25	-18.68	QP
2	13.135	5.67	40.50	-34.83	24.34	-18.67	QP
3	13.425	2.21	50.50	-48.29	20.87	-18.66	QP
4	13.560	34.69	84.00	-49.31	53.35	-18.66	QP
5	13.691	-0.49	50.50	-50.99	18.16	-18.65	QP
6	13.852	3.63	40.50	-36.87	22.28	-18.65	QP
7	14.026	-2.76	29.50	-32.26	15.88	-18.64	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert distance formula
= $40 \cdot \log(3/300) = -80\text{dB @300m}$
= $40 \cdot \log(3/30) = -40\text{dB @30m}$
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m Loop
Mode :NFC_TX_13.56MHz_EUT_Y_ANT Z
Test By :Ling Chen



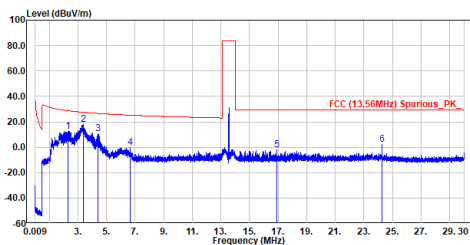
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB/m	
1	13.016	-5.94	29.50	-35.44	12.74	-18.68	QP
2	13.318	-6.37	40.50	-46.87	12.30	-18.67	QP
3	13.529	-6.68	50.50	-57.18	11.98	-18.66	QP
4	13.560	16.55	84.00	-67.45	35.21	-18.66	QP
5	13.625	-7.19	50.50	-57.69	11.46	-18.65	QP
6	13.867	-5.40	40.50	-45.90	13.25	-18.65	QP
7	14.147	-6.38	29.50	-35.88	12.25	-18.63	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert distance formula
= $40 \cdot \log(3/300) = -80\text{dB @300m}$
= $40 \cdot \log(3/30) = -40\text{dB @30m}$
5. The other emission levels were very low against the limit.

Appendix E. Test Result of Radiated Emission

9 kHz ~ 30 MHz

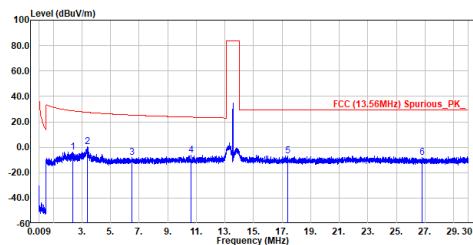
Site :HC-CB04
Condition :3m Loop
Mode :NFC_TX_13.56MHz_EUT_Y_ANT X
Test By :Ling Chen



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	2.396	12.41	28.70	-16.29	32.84	-20.43	QP
2	3.365	17.86	27.45	-9.59	38.36	-20.50	QP
3	4.382	10.71	26.58	-15.87	31.21	-20.50	QP
4	6.664	-0.13	25.20	-25.33	19.80	-19.93	QP
5	16.894	-1.95	29.54	-31.49	16.57	-18.52	QP
6	24.278	2.04	29.54	-27.50	20.40	-18.36	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert distance formula
= $40 \cdot \log(3/300) = -80\text{dB @}300\text{m}$
= $40 \cdot \log(3/30) = -40\text{dB @}30\text{m}$
5. The other emission levels were very low against the limit.

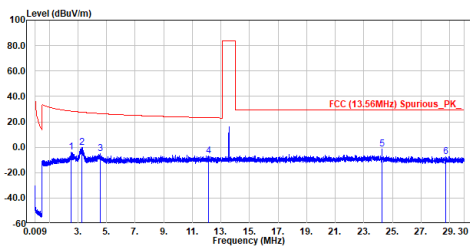
Site :HC-CB04
Condition :3m Loop
Mode :NFC_TX_13.56MHz_EUT_Y_ANT Y
Test By :Ling Chen



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	2.363	-3.77	28.62	-32.39	16.67	-20.44	QP
2	3.371	0.46	27.45	-26.99	20.96	-20.50	QP
3	6.502	-7.91	25.28	-33.19	12.08	-19.99	QP
4	10.608	-6.52	23.67	-30.19	12.26	-18.78	QP
5	17.398	-6.59	29.54	-36.13	11.91	-18.50	QP
6	26.815	-7.92	29.54	-37.46	10.41	-18.33	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert distance formula
= $40 \cdot \log(3/300) = -80\text{dB @}300\text{m}$
= $40 \cdot \log(3/30) = -40\text{dB @}30\text{m}$
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m Loop
Mode :NFC_TX_13.56MHz_EUT_Y_ANT Z
Test By :Ling Chen

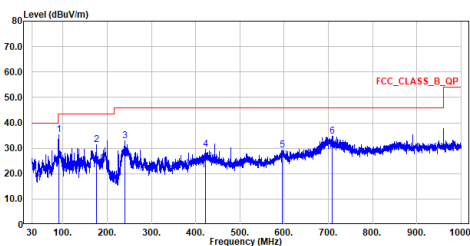


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	2.543	-3.72	28.37	-32.09	16.73	-20.45	QP
2	3.266	-0.37	27.55	-27.92	20.13	-20.50	QP
3	4.547	-4.88	26.46	-31.34	15.62	-20.50	QP
4	12.152	-7.04	23.22	-30.26	11.67	-18.71	QP
5	24.278	-1.24	29.54	-30.78	17.12	-18.36	QP
6	28.722	-7.57	29.54	-37.11	10.74	-18.31	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert distance formula
= $40 \cdot \log(3/300) = -80\text{dB @}300\text{m}$
= $40 \cdot \log(3/30) = -40\text{dB @}30\text{m}$
5. The other emission levels were very low against the limit.

30 MHz ~ 1 GHz

Site :HC-CB04
 Condition :3m Horizontal
 Mode :NFC_TX_LF
 Test By :Ling Chen

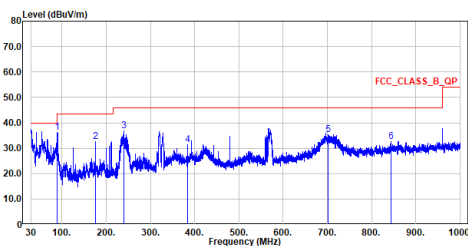


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	90.528	35.36	43.50	-8.14	44.00	-8.64	QP
2	174.918	31.49	43.50	-12.01	35.36	-3.87	QP
3	240.005	32.77	46.00	-13.23	37.29	-4.52	QP
4	421.589	29.49	46.00	-16.51	28.92	0.57	QP
5	595.413	29.37	46.00	-16.63	24.74	4.63	QP
6	708.030	34.72	46.00	-11.28	28.26	6.46	QP

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
 Condition :3m Vertical
 Mode :NFC_TX_LF
 Test By :Ling Chen



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	88.588	36.14	43.50	-7.36	44.84	-8.70	QP
2	174.918	32.70	43.50	-10.80	36.57	-3.87	QP
3	240.005	36.83	46.00	-9.17	41.35	-4.52	QP
4	383.565	31.50	46.00	-14.50	31.75	-0.25	QP
5	701.628	35.45	46.00	-10.55	29.08	6.37	QP
6	844.218	32.70	46.00	-13.30	24.15	8.55	QP

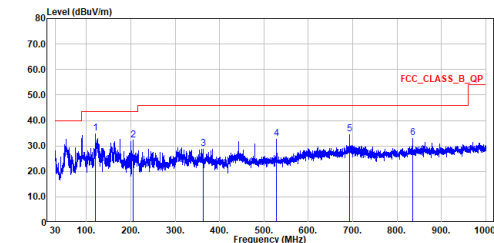
Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

Appendix F. Test Result of Radiated Emissions Co-location

Colocation_WIFI 2.4G+BLE+NFC_H

Site :HC-CB04
Condition :3m Horizontal
Mode :Co-location_WIFI 2.4G+BLE+NFC
Test By :Ling Chen



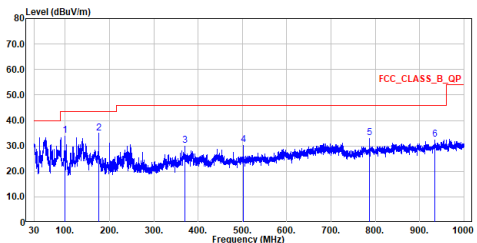
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	120.016	35.05	43.50	-8.45	40.28	-5.23	QP
2	205.005	32.44	43.50	-11.06	38.97	-6.53	QP
3	362.516	29.03	46.00	-16.97	30.18	-1.15	QP
4	528.580	32.79	46.00	-13.21	29.78	3.01	QP
5	692.704	34.70	46.00	-11.30	28.43	6.27	QP
6	835.488	33.09	46.00	-12.91	24.74	8.35	QP

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

Colocation_WIFI 2.4G+BLE+NFC_V

Site :HC-CB04
Condition :3m Vertical
Mode :Co-location_WIFI 2.4G+BLE+NFC
Test By :Ling Chen



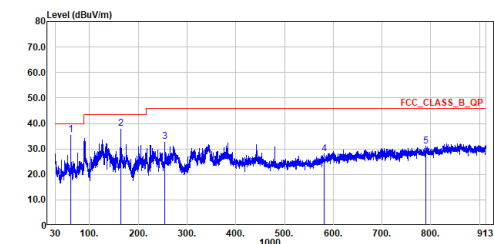
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	99.937	34.19	43.50	-9.31	41.66	-7.47	QP
2	175.015	35.10	43.50	-8.40	38.96	-3.86	QP
3	370.373	30.24	46.00	-15.76	31.05	-0.81	QP
4	502.002	30.64	46.00	-15.36	28.23	2.41	QP
5	787.570	33.24	46.00	-12.76	25.29	7.95	QP
6	934.525	32.73	46.00	-13.27	23.03	9.70	QP

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

Colocation_WIFI 5G+BLE+NFC_H

Site :HC-CB04
Condition :3m Horizontal
Mode :Co-location_WIFI 5G+BLE+NFC
Test By :Ling Chen



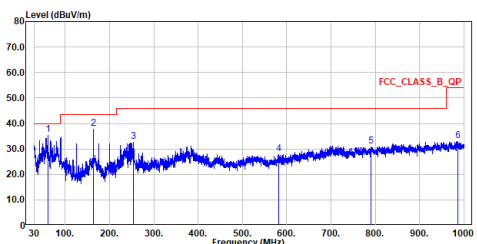
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	60.846	35.65	40.00	-4.35	38.64	-2.99	QP
2	163.763	38.03	43.50	-5.47	41.09	-3.06	QP
3	253.488	32.88	46.00	-13.12	37.08	-4.20	QP
4	581.251	28.16	46.00	-17.84	24.03	4.13	QP
5	790.383	31.05	46.00	-14.95	23.04	8.01	QP
6	985.838	33.21	54.00	-20.79	23.04	10.17	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

Colocation_WIFI 5G+BLE+NFC_V

Site :HC-CB04
Condition :3m Vertical
Mode :Co-location_WIFI 5G+BLE+NFC
Test By :Ling Chen



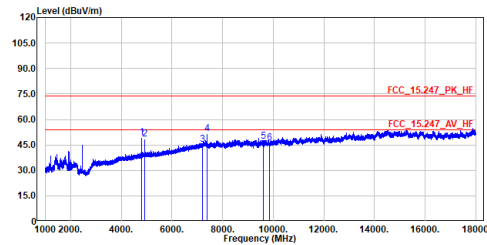
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	60.846	35.65	40.00	-4.35	38.64	-2.99	QP
2	163.763	38.03	43.50	-5.47	41.09	-3.06	QP
3	253.488	32.88	46.00	-13.12	37.08	-4.20	QP
4	581.251	28.16	46.00	-17.84	24.03	4.13	QP
5	790.383	31.05	46.00	-14.95	23.04	8.01	QP
6	985.838	33.21	54.00	-20.79	23.04	10.17	QP

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

Colocation_WIFI 2.4G+BLE+NFC_LF_H_QP

Site :HC-CB04
Condition :3m ,Horizontal
Mode :Co-location_WIFI 2.4G+BLE+NFC
Test By :Ling Chen

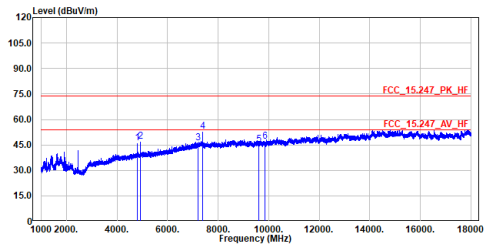


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4804.000	49.51	74.00	-24.49	66.57	-17.06	Peak
2	4924.000	48.56	74.00	-25.44	65.26	-16.70	Peak
3	7206.000	45.34	74.00	-28.66	57.34	-12.00	Peak
4	7386.000	51.46	74.00	-22.54	63.11	-11.65	Peak
5	9608.000	46.92	74.00	-27.08	55.50	-8.58	Peak
6	9848.000	46.22	74.00	-27.78	54.49	-8.27	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Colocation_WIFI 2.4G+BLE+NFC_LF_V_QP

Site :HC-CB04
Condition :3m ,Vertical
Mode :Co-location_WIFI 2.4G+BLE+NFC
Test By :Ling Chen

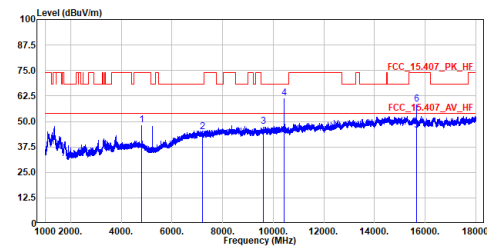


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4804.000	46.16	74.00	-27.84	63.22	-17.06	Peak
2	4924.000	47.11	74.00	-26.89	63.81	-16.70	Peak
3	7206.000	46.12	74.00	-27.88	58.12	-12.00	Peak
4	7386.000	52.98	74.00	-21.02	64.63	-11.65	Peak
5	9608.000	45.17	74.00	-28.83	53.75	-8.58	Peak
6	9848.000	47.27	74.00	-26.73	55.54	-8.27	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Colocation_WIFI 5G+BLE+NFC_LF_H_QP

Site :HC-CB04
Condition :3m ,Horizontal
Mode :Co-location_WIFI 5G+BLE+NFC
Test By :Ling Chen

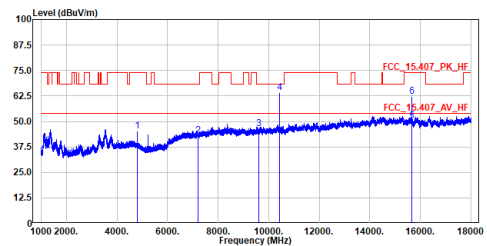


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4804.000	48.15	74.00	-25.85	65.13	-16.98	Peak
2	7206.000	44.85	68.20	-23.35	56.73	-11.88	Peak
3	9608.000	47.56	68.20	-20.64	56.07	-8.51	Peak
4	10440.000	61.55	68.20	-6.65	68.93	-7.38	Peak
5	15660.000	45.67	54.00	-8.33	48.59	-2.92	Average
6	15660.000	58.55	74.00	-15.45	61.47	-2.92	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Colocation_WIFI 5G+BLE+NFC_LF_V_QP

Site :HC-CB04
Condition :3m ,Vertical
Mode :Co-location_WIFI 5G+BLE+NFC
Test By :Ling Chen



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4804.000	45.42	74.00	-28.58	62.40	-16.98	Peak
2	7206.000	43.17	68.20	-25.03	55.05	-11.88	Peak
3	9608.000	46.58	68.20	-21.62	55.09	-8.51	Peak
4	10440.000	64.16	68.20	-4.04	71.54	-7.38	Peak
5	15660.000	50.15	54.00	-3.85	53.07	-2.92	Average
6	15660.000	62.25	74.00	-11.75	65.17	-2.92	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.