



FCC RADIO TEST REPORT

FCC ID	:	HD5-CT30PL1N
Equipment	:	Mobile computer
Brand Name	:	Honeywell
Model Name	:	CT30PL1N
Applicant	:	Honeywell International Inc. 9680 Old Bailes Road, Fort Mill, SC 29707 USA
Manufacturer	:	Honeywell International Inc. 9680 Old Bailes Road, Fort Mill, SC 29707 USA
Standard	:	FCC Part 15 Subpart C §15.225

The product was received on Oct. 26, 2022 and testing was performed from Oct. 27, 2022 to Dec. 08, 2022. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this variant report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu Sporton International Inc. EMC & Wireless Communications Laboratory No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)



Table of Contents

Histo	ory of this test report	3
Sum	ory of this test report Imary of Test Result	4
	eneral Description	
1.	•	
1.	.2 Modification of EUT	
1.	.3 Testing Location	6
	.4 Applicable Standards	
2. Te	est Configuration of Equipment Under Test	7
2.	.1 Descriptions of Test Mode	7
2.	.2 Connection Diagram of Test System	7
2.	.3 Table for Supporting Units	
2.	.4 EUT Operation Test Setup	
3. Te	est Results	9
3.	.1 20dB and 99% OBW Spectrum Bandwidth Measurement	
3.		10
3.	.3 Field Strength of Fundamental Emissions and Mask Measurement	11
3.	.4 Radiated Emissions Measurement	
3.	.5 Antenna Requirements	
4. Lis	st of Measuring Equipment	
5. Ur	ncertainty of Evaluation	
	endix A. Test Results of Near Field Test Items	

A1. Test Result of 20dB Spectrum Bandwidth

A2. Test Result of Frequency Stability

Appendix B. Test Results of Radiated Test Items

- B1. Test Result of Field Strength of Fundamental Emissions
- B2. Results of Radiated Emissions (9 kHz~30MHz)
- B3. Results of Radiated Emissions (30MHz~1GHz)

Appendix C. Setup Photographs



History of this test report

Report No.	Version	Description	Issue Date
FR1N0508-02B	01	Initial issue of report	Nov. 28, 2022
FR1N0508-02B	02	Revise Near Field test data and Descriptions of Test Mode	Dec. 08, 2022



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
-	15.207	AC Power Line Conducted Emissions Not Required		-
2.4	15.215(c)	20dB Spectrum Bandwidth	20dB Spectrum Bandwidth Pass	
3.1	3.1 2.1049 99% OE	99% OBW Spectrum Bandwidth	Reporting only	-
3.2	15.225(e)	Frequency Stability	Frequency Stability Pass	
3.3	15.225(a)(b)(c)	Field Strength of Fundamental Emissions Pass 2		Max level 24.71 dBµV/m at 13.560 MHz
3.4	15.225(d) 15.209	Radiated Spurious Emissions	d Spurious Emissions Pass	
3.5	15.203	Antenna Requirements	Pass	-

Note:

- 1. Not required means after assessing, test items are not necessary to carry out.
- This is a variant report by changing NFC antenna. All the test cases were performed on original report which can be referred to Sporton Report Number FR1N0508D. Based on the original report, only worst case was verified.

Declaration of Conformity:

- 1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
- It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
- 2. The measurement uncertainty please refer to report "Uncertainty of Evaluation".

Comments and Explanations:

The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Wei Chen

Report Producer: Cindy Liu



1. General Description

1.1 Product Feature of Equipment Under Test

GSM/WCDMA/LTE, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac, Wi-Fi 5GHz 802.11a/n/ac, NFC, and GNSS.

Product Feature					
HW Version v1.0					
SW Version	OS.11.003-HON.11.003				
Sample	Scanner S0703				
Antenna Type	WWAN <ant. 1="">: Loop Antenna <ant. 2="">: PIFA Antenna <ant. 3="">: Monopole Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna GPS / Glonass / BDS / Galileo: PIFA Antenna NFC: Loop Antenna</ant.></ant.></ant.>				

Remark:

- **1.** The EUT's information above is declared by manufacturer. Please refer to Comments and Explanations in report summary.
- 2. Internal tracking board version is DVT2(NFC) and SW PN is 311.C0.00.1069-G-DEBUG.

1.2 Modification of EUT

No modifications made to the EUT during the testing.



1.3 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory			
	No.52, Huaya 1st Rd., Guishan Dist.,			
Test Site Location	Taoyuan City 333, Taiwan (R.O.C.)			
	TEL: +886-3-327-3456			
	FAX: +886-3-328-4978			
Test Site No.	Sporton Site No.			
Test Site NO.	TH03-HY			
Test Engineer	Louis Chung			
Temperature	23.5~26.6 ℃			
Relative Humidity	47.6~55.5%			
Test Site	Sporton International Inc. Wensan Laboratory			
	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist.,			
Test Site Location	Taoyuan City 333010, Taiwan (R.O.C.)			
Test Site Location	TEL: +886-3-327-0868			
	FAX: +886-3-327-0855			
Test Site No.	Sporton Site No.			
Test Sile No.	03CH11-HY (TAF Code: 3786)			
Test Engineer	Yuan Lee and Fu Chen			
Temperature	20.1~21.5℃			
Relative Humidity	58.5~68.4%			
Remark	The Radiated Spurious Emission test item subcontracted to Sporton International Inc. Wensan Laboratory			

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC designation No.: TW1190 and TW3786

1.4 Applicable Standards

According to the specifications declared by the manufacturer, the EUT must comply with the

requirements of the following standards:

- FCC Part 15 Subpart C §15.225
- FCC KDB 414788 D01 Radiated Test Site v01r01
- ANSI C63.10-2013

Remark:

- 1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
- 2. The TAF code is not including all the FCC KDB listed without accreditation.

2. Test Configuration of Equipment Under Test

2.1 Descriptions of Test Mode

Investigation has been done on all the possible configurations.

The following table is a list of the test modes shown in this test report.

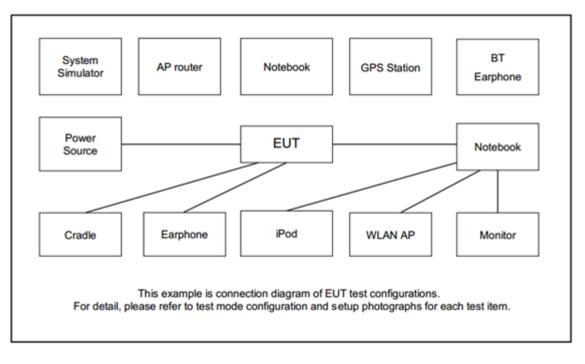
Test Items				
20dB Spectrum Bandwidth	Field Strength of Fundamental Emissions			
Frequency Stability	Radiated Emissions 30MHz~1GHz			
Radiated Emissions 9kHz~30MHz				

The EUT pre-scanned in reader mode with NFC tag (four NFC type A, B, F, V) and without reading tag. Based on the highest field strength of fundamental and spurious emissions, the worst case type (type V) was recorded in this report.

The measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported in this report.

Remark: Only radiated measurements are used to show compliance with FCC limits for fundamental and spurious emissions.

2.2 Connection Diagram of Test System





2.3 Table for Supporting Units

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2.4 EUT Operation Test Setup

The RF test items, utility "cmd" is installed in Notebook which is programmed in order to make the EUT get into the engineering modes to provide channel selection, power level (Power setting: Default), data rate (Type V Bit Rate: 26kbps) and the application type and for continuous transmitting signals.



3. Test Results

3.1 20dB and 99% OBW Spectrum Bandwidth Measurement

3.1.1 Limit

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

3.1.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.1.3 Test Procedures

- 1. The spectrum analyzer connected via a receive antenna placed near the EUT in peak Max Hold Mode.
- 2. The resolution bandwidth of 1 kHz and the video bandwidth of 3 kHz were used.
- 3. Measured the spectrum width with power higher than 20 dB below carrier.
- 4. Measured the 99% OBW.

3.1.4 Test Setup



3.1.5 Test Result of Near Field Test Items

Please refer to Appendix A.



3.2 Frequency Stability Measurement

3.2.1 Limit

The frequency tolerance of the carrier signal shall be maintained within +/- 0.01% (100ppm) 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 by using a new battery.

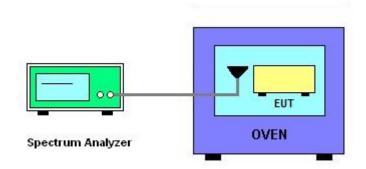
3.2.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.2.3 Test Procedures

- 1. The spectrum analyzer connected via a receive antenna placed near the EUT.
- 2. EUT has transmitted signal and fixed channelize.
- 3. Set the spectrum analyzer span to view the entire emissions bandwidth.
- 4. Set RBW = 1 kHz, VBW = 3 kHz with peak detector and maxhold settings.
- 5. The fc is declaring of channel frequency. Then the frequency error formula is $(fc-f)/fc \times 10^6$ ppm and the limit is less than ±100ppm.
- 6. Extreme temperature rule is -20°C~50°C.

3.2.4 Test Setup



3.2.5 Test Result of Near Field Test Items

Please refer to Appendix A.

3.3 Field Strength of Fundamental Emissions and Mask Measurement

3.3.1 Limit

Rules and specifications		FCC CFR 47 Part 15 section 15.225				
Description	Compliance with th	e spectrum mask is t	ested with RBW set t	o 9kHz.		
	Field Strength	Field Strength	Field Strength	Field Strength		
Freq. of Emission (MHz)	(µV/m) at 30m	30m (dBµV/m) at 30m (dBµV/m) at 10m (dBµ	(dBµV/m) at 3m			
1.705~13.110	30	29.5	48.58	69.5		
13.110~13.410	106	40.5	59.58	80.5		
13.410~13.553	334	50.5	69.58	90.5		
13.553~13.567	15848	84.0	103.08	124.0		
13.567~13.710	334	50.5	69.58	90.5		
13.710~14.010	106	40.5	59.58	80.5		
14.010~30.000	30	29.5	48.58	69.5		

Remark:

1. The field strength test result is in 3m test distance, follow test rules the test data use distance extrapolation factor and reported in this report at 30m test result.

2. Distance extrapolation factor = 40 log (specific distance / test distance) (dB)

3.3.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

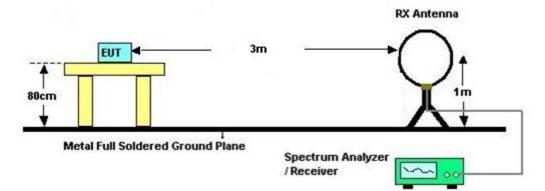


3.3.3 Test Procedures

- Configure the EUT according to ANSI C63.10. The EUT is placed on the top of the turntable 0.8 meter above ground. The phase center of the loop receiving antenna mounted antenna tower is placed 3 meters far away from the turntable.
- 2. Power on the EUT and all the supporting units. The turntable is rotated by 360 degrees to determine the position of the highest radiation.
- 3. The height of the receiving antenna is 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 with RBW set to 9 kHz. Note: Emission level (dB μ V/m) = 20 log Emission level (μ V/m).

3.3.4 Test Setup

For radiated test below 30MHz



3.3.5 Test Result of Field Strength of Fundamental Emissions and Mask

Please refer to Appendix B.



3.4 Radiated Emissions Measurement

3.4.1 Limit

The field strength of any emissions which appear outside of 13.110 ~14.010MHz band shall not exceed the general radiated emissions limits.

Frequencies	Field Strength	Measurement Distance		
(MHz)	(µV/m)	(meters)		
0.009~0.490	2400/F(kHz)	300		
0.490~1.705	24000/F(kHz)	30		
1.705~30.0	30	30		
30~88	100	3		
88~216	150	3		
216~960	200	3		
Above 960	500	3		

3.4.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.4.3 Measuring Instrument Setting

The following table is the setting of receiver:

Receiver Parameter	Setting
Attenuation	Auto
Frequency Range: 9kHz~150kHz	RBW 200Hz for QP
Frequency Range: 150kHz~30MHz	RBW 9kHz for QP
Frequency Range: 30MHz~1000MHz	RBW 120kHz for Peak

Note: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz and 110-490 kHz. Radiated emission limits in these two bands are based on measurements employing an average detector.



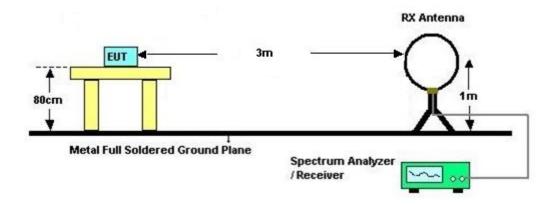
3.4.4 Test Procedures

- Configure the EUT according to ANSI C63.10. The EUT is 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 is placed 3 meters far away from the turntable.
- 2. Power on the EUT and all the supporting units. The turntable is rotated by 360 degrees to determine the position of the highest radiation.
- 3. The height of the broadband receiving antenna is 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 is scanned (from 1 M to 4 M) and then the turntable is 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 30 MHz, loop antenna has to be used for measurement and the recorded data shall be QP measured by receiver.
- 8. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as "-".

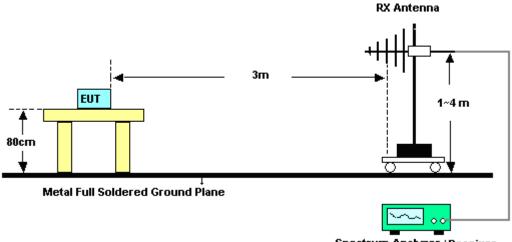


3.4.5 Test Setup

For radiated test below 30MHz



For radiated test above 30MHz



Spectrum Analyzer / Receiver

3.4.6 Test Result of Radiated Emissions Measurement

Please refer to Appendix B.

Remark: There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.



3.5 Antenna Requirements

3.5.1 Standard Applicable

Except for special regulations, the Low-power Radio-frequency Devices must not be equipped with any jacket for installing an antenna with extension cable. An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited.

The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the rule.

3.5.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.



4. List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 20, 2022	Oct. 27, 2022~ Oct. 28, 2022	Sep. 19, 2023	Radiation (03CH11-HY)
Bilog Antenna	TESEQ	CBL 6111D & N-6-06	35414 & AT-N0602	30MHz~1GHz	Oct. 08, 2022	Oct. 27, 2022~ Oct. 28, 2022	Oct. 07, 2023	Radiation (03CH11-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Dec. 10, 2021	Oct. 27, 2022~ Oct. 28, 2022	Dec. 09, 2022	Radiation (03CH11-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200486	10Hz~44GHz	Oct. 07, 2022	Oct. 27, 2022~ Oct. 28, 2022	Oct. 06, 2023	Radiation (03CH11-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Oct. 27, 2022~ Oct. 28, 2022	N/A	Radiation (03CH11-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Oct. 27, 2022~ Oct. 28, 2022	N/A	Radiation (03CH11-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Oct. 27, 2022~ Oct. 28, 2022	N/A	Radiation (03CH11-HY)
Software	Audix	E3 6.2009-8-24	RK-001053	N/A	N/A	Oct. 27, 2022~ Oct. 28, 2022	N/A	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30MHz-40GHz	Mar. 10, 2022	Oct. 27, 2022~ Oct. 28, 2022	Mar. 09, 2023	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz-30MHz	Mar. 10, 2022	Oct. 27, 2022~ Oct. 28, 2022	Mar. 09, 2023	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	30MHz-18GHz	Mar. 10, 2022	Oct. 27, 2022~ Oct. 28, 2022	Mar. 09, 2023	Radiation (03CH11-HY)
Filter	Wainwright	WHK20/1000C 7/40SS	SN2	20MHz High Pass Filter	Sep. 12, 2022	Oct. 27, 2022~ Oct. 28, 2022	Sep. 11, 2023	Radiation (03CH11-HY)
Hygrometer	TECPEL	DTM-303B	TP140325	N/A	Nov. 26, 2021	Oct. 27, 2022~ Oct. 28, 2022	Nov. 25, 2022	Radiation (03CH11-HY)
Hygrometer	TECPEL	DTM-303B	TP200735	N/A	Mar. 04, 2022	Dec. 08, 2022	Mar. 03, 2023	Near Field (TH03-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP7	101131	9kHz~7GHz	Aug. 17, 2022	Dec. 08, 2022	Aug. 16, 2023	Near Field (TH03-HY)
Temperature & Humidity Cabinet Chamber	ESPEC	SU-641	92013721	-30°C ~70°C	Oct. 17, 2022	Dec. 08, 2022	Oct. 16, 2023	Near Field (TH03-HY)
Nearby field probe	LANGER EMV-TECHNIK	LF-U5	02-559	100 kHz up to 50 MHz	Apr. 04, 2022	Dec. 08, 2022	Apr. 03, 2023	Near Field (TH03-HY)



5. Uncertainty of Evaluation

Uncertainty of Radiated Emission Measurement (9 kHz ~ 30 MHz)

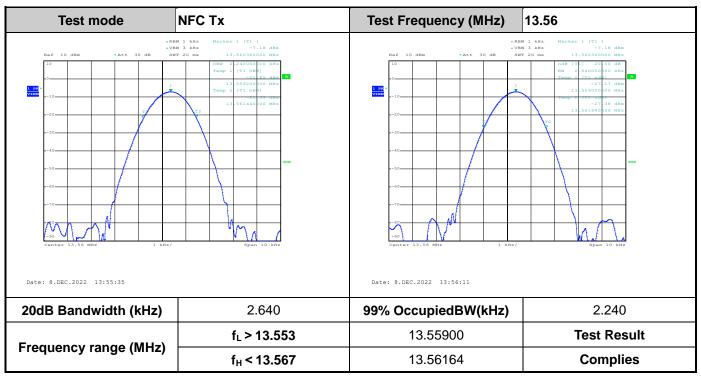
Measuring Uncertainty for a Level of Confidence	3.90 dB
of 95% (U = 2Uc(y))	3.90 UB

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence	6.30 dB
of 95% (U = 2Uc(y))	0.30 dB



Appendix A. Test Results of Near Field Test Items



A1. Test Result of 20dB Spectrum Bandwidth

Remark: Because the measured signal is CW 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.

A2. Test Result of Frequency Stability

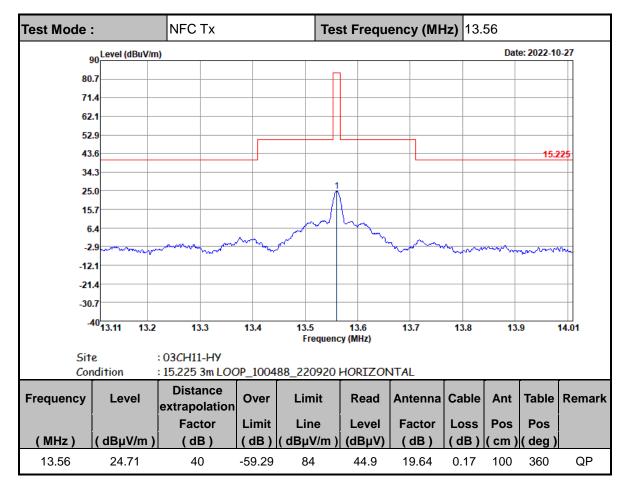
Voltage vs. Frequency Stability		Temperature vs. Frequency Stability				
Voltage (Vdc)	Measurement Frequency (MHz)	Temperature (°C)	Time	Measurement Frequency (MHz)		
3.7	13.560320	-20	0	13.560310		
3.87	13.560320		2	13.560400		
4.4	13.560320		5	13.560470		
			10	13.560480		
		-10	0	13.560480		
			2	13.560460		
			5	13.560470		
			10	13.560480		
		0	0	13.560460		
			2	13.560460		
			5	13.560460		
			10	13.560460		
		10	0	13.560440		
			2	13.560480		
			5	13.560480		
			10	13.560440		
		20	0	13.560320		
			2	13.560320		
			5	13.560310		
			10	13.560310		
		30	0	13.560340		
			2	13.560340		
			5	13.560340		
			10	13.560340		
		40	0	13.560300		
			2	13.560290		
			5	13.560290		
			10	13.560290		



Voltage vs. Freque	ency Stability	Temperature vs. Frequency Stability			
Voltage (Vdc)	Measurement	Temperature (°C)	Time	Measurement	
	Frequency (MHz)			Frequency (MHz)	
		50	0	13.560280	
			2	13.560260	
			5	13.560260	
			10	13.560260	
Max.Deviation (MHz)	0.000320	Max.Deviation (MHz)		0.000480	
Max.Deviation (ppm)	23.5988	Max.Deviation (ppm)		35.3982	
Limit	FS < ±100 ppm	Limit		FS < ±100 ppm	
Test Result	PASS	Test Re	esult	PASS	

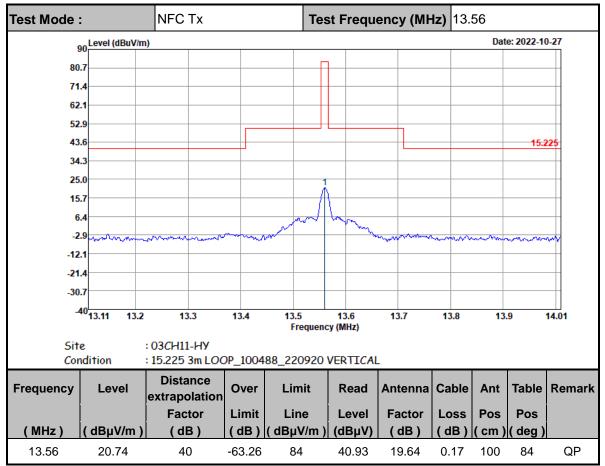


Appendix B. Test Results of Radiated Test Items



B1. Test Result of Field Strength of Fundamental Emissions



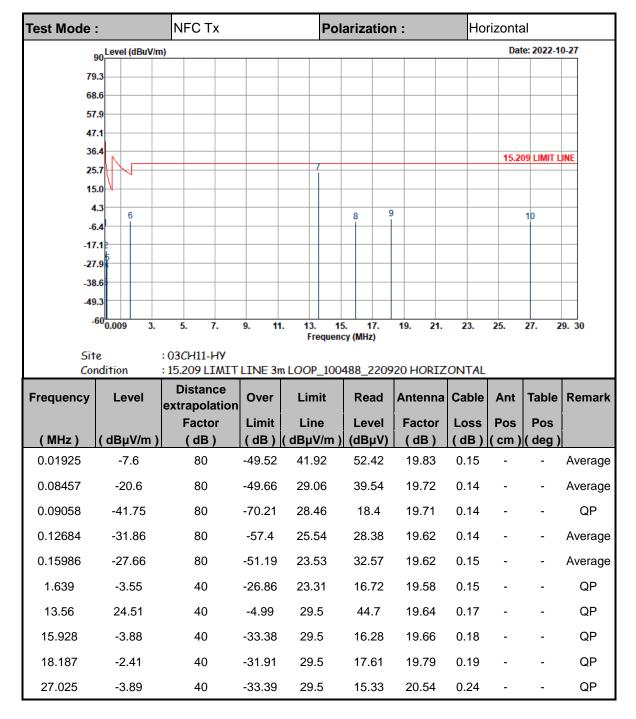


Note :

1. Distance extrapolation factor = 40 log (specific distance / test distance) (dB)

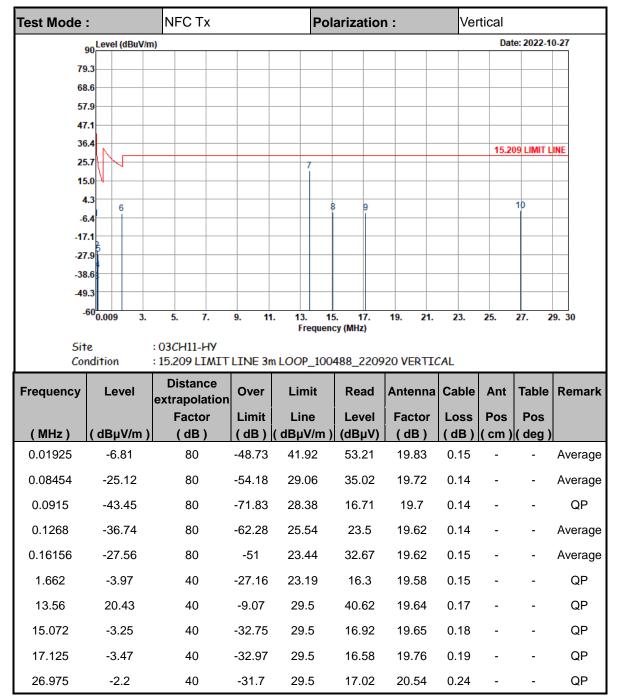
2. Level = Antenna Factor + Cable Loss + Read Level - Distance extrapolation factor.





B2. Results of Radiated Spurious Emissions (9 kHz~30MHz)





Note :

1. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

2. Distance extrapolation factor = 40 log (specific distance / test distance) (dB)

3. Level = Antenna Factor + Cable Loss + Read Level - Distance extrapolation factor.

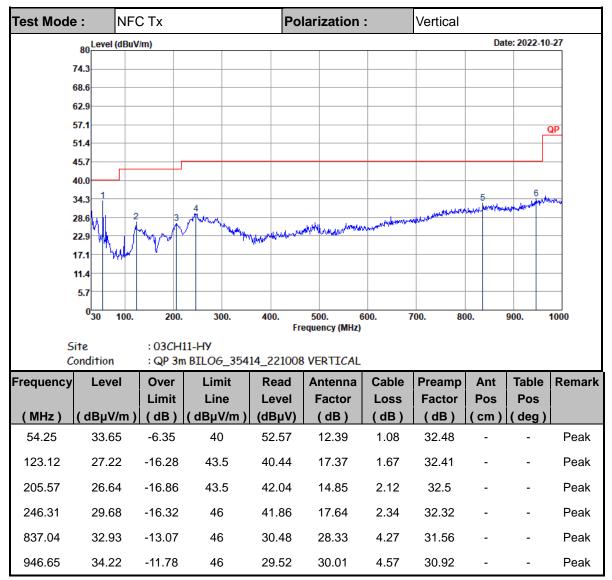
4. 13.56 MHz is fundamental signal which can be ignored



Test Mod	le :	NFC Tx		Ро	larization	:	Horizont	al		
	80	dBuV/m)			I.	1		Da	te: 2022-10	-27
	74.3									
	68.6									
	62.9									
	57.1								(<u></u> γρ
	51.4									_
	45.7									
	40.0									
	34.3	3	4				a lanatest	5	n hat we have the second	994a
	28.6	1 And	when the the	the way the share	maker water	whome & and white	polin and hand be made and			
	22.9	/ V V		May All Martin	googs and one					
	17.1									_
	11.4 * 5.7									
	030	100. 200). 300.	400. Fr	500. 6 equency (MHz)	i00. 7	700. 80	0.	900.	1000
	Site		H11-HY							
	Condition		m BILOG 354	T	F		r			
Frequenc	y Leve		Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
(MHz)		Limit	Line				Factor	Pos		
		(dB)			Factor	Loss (dB)			Pos	
30	(dBµV/ 33.42		(dBμV/m) 40		(dB)	(dB) 0.94	(dB) 32.36	(cm)	Pos (deg)	Peak
		2 -6.58	(dBµV/m)	(dBµV)	(dB)	(dB)	(dB)			Peak Peak
30	33.42	2 -6.58 -12.4	(dBµV/m) 40 40	(dBµV) 40.79	(dB) 23.92	(dB) 0.94	(dB) 32.36			
30 54.25	33.42 27.6	2 -6.58 -12.4 5 -13.85	(dBµV/m) 40 40 43.5	 (dBμV) 40.79 46.52 	(dB) 23.92 12.39	(dB) 0.94 1.08	(dB) 32.36 32.48			Peak
30 54.25 144.46	33.42 27.6 29.63	2 -6.58 -12.4 5 -13.85 1 -15.59	(dBµV/m) 40 40 43.5 46	(dBµV) 40.79 46.52 43.2	(dB) 23.92 12.39 16.97	(dB) 0.94 1.08 1.8	(dB) 32.36 32.48 32.45			Peak Peak

B3. Results of Radiated Spurious Emissions (30MHz~1GHz)





Note:

1. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

2. Emission level (dB μ V/m) = 20 log Emission level (μ V/m).

3. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor= Level.

4. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.