FCC TEST REPORT

Product Name:	Smart Phone
Trade Mark:	BLU
Model No.:	G95
Report Number:	25062318650RFC-5
Test Standards:	FCC 47 CFR Part 15 Subpart C
FCC ID:	YHLBLU95GC
Test Result:	PASS
Date of Issue:	August 5, 2025

Prepared for:

BLU Products, Inc.
8600 NW 36th Street, Suite #300 | Miami, FL 33166

Prepared by:

Shenzhen UnionTrust Quality and Technology Co., Ltd.
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Version

Version No.	Date	Description
V1.0	August 5, 2025	Original

CONTENTS

1. GENERAL INFORMATION

1.1 CLIENT INFORMATION

Applicant:	BLU Products, Inc.
Address of Applicant:	8600 NW 36th Street, Suite #300 | Miami, FL 33166
Manufacturer:	BLU Products, Inc.
Address of Manufacturer:	8600 NW 36th Street, Suite #300 | Miami, FL 33166

1.2 EUT INFORMATION

1.2.1 General Description of EUT

Product Name:	Smart Phone		
Model No.:	G95		
Trade Mark:	BLU		
DUT Stage:	Identical Prototype		
EUT Supports Function: (Provided by the customer)	GSM Bands:	GSM850/PCS 1900	
	UTRA Bands:	WCDMA Band II/ Band IV/ Band V	
	E-UTRA Bands:	FDD Band 2/ Band 4/ Band 5/ Band 7/ Band 12/ / Band 13/ Band 17/ Band 66/ Band 71	
	2.4 GHz ISM Band:	IEEE 802.11b/g/n	
		Bluetooth 5.2	
	5 GHz U-NII Bands:	5 150 MHz to 5 250 MHz	IEEE 802.11a/n/ac
		5 250 MHz to 5 350 MHz	IEEE 802.11a/n/ac
		5 470 MHz to 5 725 MHz	IEEE 802.11a/n/ac
		5 725 MHz to 5 850 MHz	IEEE 802.11a/n/ac
	RNSS Bands:	1559 MHz to 1610 MHz	GPS/ BDS/ Galileo/ GLONASS
	NFC:	13.553 MHz to 13.567 MHz	
Sample Received Date:	June 23, 2025		
Sample Tested Date:	July 16, 2025 to July 18, 2025		
Remark: The above EUT's information was provided by customer. Please refer to the specifications or user's manual for more detailed description.			

1.2.2 Description of Accessories

Adapter	
Model No.:	US-BJ-1825Q
Input:	100-240 V~50/60 Hz 0.5 A
Output:	5.0V ⎓ 3000 mA 15.0W OR 9.0 V ⎓ 2000mA 18.0W

Cable	
Connector:	USB Cable
Cable Type:	Unshielded without ferrite
Length:	1.0 Meter

Battery	
Model No.:	C906548500P
Battery Type:	Lithium-ion Polymer Battery
Rated Voltage:	3.87 Vdc
Typical Capacity:	5000 mAh
Rated Capacity:	4900 mAh

1.3 PRODUCT SPECIFICATION SUBJECTIVE TO THIS STANDARD

Frequency Range:	13.110 MHz to 14.010 MHz
Nominal Operating Frequency:	13.56 MHz
Work in Modes:	☑ Card Emulation
	☑ Reader/Writer
	☑ Peer-to-Peer
NFC Type:	☑ NFC A Type
	☑ NFC B Type
	☐ NFC F Type
	☐ NFC V Type
Type of Modulation:	ASK
Number of Channels:	1
Antenna Type:	FPCB Antenna
Maximum Field Strength:	60.9 dBμV/m at 3 meter
Normal Test Voltage:	3.87 Vdc
Extreme Test Voltage:	3.4 to 4.45 Vdc
Extreme Test Temperature:	-20 °C to +60 °C

1.4 OTHER INFORMATION

None

1.5 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested independently

1.6 TEST LOCATION

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China, China 518109
Telephone: +86 (0) 755 2823 0888
Fax: +86 (0) 755 2823 0886

1.7 TEST FACILITY

The test facility is recognized, certified, or accredited by the following organizations:

CNAS-Lab Code: L9069
The measuring equipment utilized to perform the tests documented in this report has been calibrated once a year or in accordance with the manufacturer's recommendations, and is traceable under the ISO/IEC 17025 to international or national standards. Equipment has been calibrated by accredited calibration laboratories.

A2LA-Lab Certificate No.: 4312.01
Shenzhen UnionTrust Quality and Technology Co., Ltd. has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

ISED Wireless Device Testing Laboratories
CAB identifier: CN0032

FCC Accredited Lab.
Designation Number: CN1194
Test Firm Registration Number: 259480

1.8 DEVIATION FROM STANDARDS

None.

1.9 ABNORMALITIES FROM STANDARD CONDITIONS

None.

1.10 OTHER INFORMATION REQUESTED BY THE CUSTOMER

None.

1.11 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the Product as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

No.	Item	Measurement Uncertainty
1	Conducted emission 9kHz-150kHz	±3.2 dB
2	Conducted emission 150kHz-30MHz	±2.7 dB
3	Radiated emission 9kHz-30MHz	±4.7 dB
4	Radiated emission 30MHz-1GHz	±4.6 dB
5	Radiated emission 1GHz-18GHz	±4.4 dB
6	Radiated emission 18GHz-40GHz	±4.6 dB
7	Occupied Bandwidth	± 1.86 %
8	Radio Frequency	± 7 x 10^{-8}

2. TEST SUMMARY

FCC 47 CFR Part 15 Subpart C Test Cases			
Test Item	**Test Requirement**	**Test Method**	**Result**
Antenna Requirement	FCC 47 CFR Part 15 Subpart C Section 15.203	N/A	PASS
Conducted Emission	FCC 47 CFR Part 15 Subpart C Section 15.207	ANSI C63.10-2013	PASS
The field strength of any emissions appearing outside of the 13.110-14.010 MHz band	FCC 47 CFR Part 15 Subpart C Section 15.225(d) /15.209	ANSI C63.10-2013	PASS
Fundamental Field Strength and Emission Mask 13.110 MHz to 14.010 MHz	FCC 47 CFR Part 15 Subpart C Section 15.225(a) (b) (c) /15.205	ANSI C63.10-2013	PASS
20DB Bandwidth	FCC 47 CFR Part 15 Subpart C Section 15.215(c)	ANSI C63.10-2013	Pass
Frequency Tolerance	FCC 47 CFR Part 15 Subpart C Section 15.225(e)	ANSI C63.10-2013	Pass
Note: 1) N/A: In this whole report not applicable.			
Disclaimer and Explanations: The declared of product specification and data (e.g., antenna gain, RF specification, etc) for EUT presented in the report are provided by the customer, and the customer takes all the responsibilities for the accuracy of product specification.			

3. EQUIPMENT LIST

Used	Equipment	Manufacturer	Model No.	Serial Number	Cal. date	Cal. Due date
☑	3m SAC	ETS-LINDGREN	3M	Euroshiedpn-CT001270-1317	11-Nov-2023	10-Nov-2026
☑	Receiver	R&S	ESIB26	100114	25-Oct-2024	24-Oct-2025
☑	Loop Antenna	ETS-LINDGREN	6502	00202525	28-Oct-2024	27-Oct-2025
☑	Broadband Antenna	ETS-LINDGREN	3142E	00201566	29-Oct-2024	28-Oct-2025
☑	6dB Attenuator	Talent	RA6A5-N-18	18103001	29-Oct-2024	28-Oct-2025
☑	Preamplifier	HP	8447F	2805A02960	25-Oct-2024	24-Oct-2025
☑	Multi device Controller	ETS-LINDGREN	7006-001	00160105	N/A	N/A
☑	Test Software	Audix	e3	Software Version: 9.160323		

Conducted Emission Test Equipment List						
Used	**Equipment**	**Manufacturer**	**Model No.**	**Serial Number**	**Cal. date**	**Cal. Due date**
☑	Receiver	R&S	ESCI3	1166.5950.03	25-Oct-2024	24-Oct-2025
☑	Pulse Limiter	R&S	ESH3-Z2	0357.8810.54	25-Oct-2024	24-Oct-2025
☑	LISN	R&S	EVN216	3560.6550.12	26-Sep-2024	25-Sep-2025
☐	LISN	ETS-Lindgren	3816/2SH	00201088	25-Oct-2024	24-Oct-2025
☑	Test Software	EZ-EMC	EZ-CON	Software Version: EMC-CON 3A1.1		

RF Conducted Test Equipment List						
Used	**Equipment**	**Manufacturer**	**Model No.**	**Serial Number**	**Cal. date**	**Cal. Due date**
☑	Spectrum analyzer	R&S	FSV40-N	101653	28-Mar-2025	27-Mar-2026
☑	Loop Antenna	ETS-LINDGREN	6502	00202525	28-Oct-2024	27-Oct-2025
☑	DC Source	KIKUSUI	PWR400L	LK003024	19-Jul-2024	18-Jul-2025
☑	Temp & Humidity chamber	Votisch	VT4002	585661332900 20	28-Mar-2025	27-Mar-2026

4. TEST CONFIGURATION

4.1 ENVIRONMENTAL CONDITIONS FOR TESTING

4.1.1 Normal or Extreme Test Conditions

Test Environment	Selected Values During Tests		
Test Condition	Ambient		
	Temperature (°C)	Voltage (V)	Relative Humidity (%)
TN/VN	+15 to +35	3.87	20 to 75
TL/VL	-20	3.4	20 to 75
TH/VL	+60	3.4	20 to 75
TL/VH	-20	4.45	20 to 75
TH/VH	+60	4.45	20 to 75

Remark:

1) The EUT just work in such extreme temperature of -20 °C to +60 °C and the extreme voltage of 3.4 V to 4.45 V, so here the EUT is tested in the temperature of -20 °C to +60 °C and the voltage of 3.4 V to 4.45 V.
2) VN: Normal Voltage; TN: Normal Temperature;
TL: Low Extreme Test Temperature; TH: High Extreme Test Temperature;
VL: Low Extreme Test Voltage; VH: High Extreme Test Voltage.

4.1.2 Record of Normal Environment and Test Sample

Test Item	Temp. (°C)	Relative Humidity (%)	Pressure (kPa)	Sample No.	Tested by
Conducted Emission	24.7	52.8	99.4	S202506236330-ZJA01/5	Linson Xie
The field strength of any emissions appearing outside of the 13.110-14.010 MHz band	25.8	60.9	99.9	S202506236330-ZJA01/6	Fire Huo
Fundamental Field Strength and Emission Mask 13.110 MHz to 14.010 MHz	25.8	60.9	99.9	S202506236330-ZJA01/6	Fire Huo
20DB Bandwidth	23.5	42.8	99.2	S202506236330-ZJA01/6	Hank Wu

4.2 TEST CHANNELS

Frequency	Test RF Channel
13.56 MHz	Channel 1
	13.56 MHz

4.3 EUT TEST STATUS

Frequency	Tx Function	Description
13.56 MHz	1Tx	1. Keep the EUT in continuously transmitting during the test.

4.4 PRE-SCAN

4.4.1 Used for testing of worst-case data rates

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, work in modes and data rates. Selected for the final test as listed below.

Frequency	Work in Modes	Type
13.56 MHz	☐ Card Emulation ☑ Reader/Writer ☐ Peer-to-Peer	☑ A ☐ B

Remark:

The mark"☑" means is chosen for testing;

The mark"☐" means is not chosen for testing.

4.5 TEST SETUP

4.5.1 For Radiated Emissions test setup

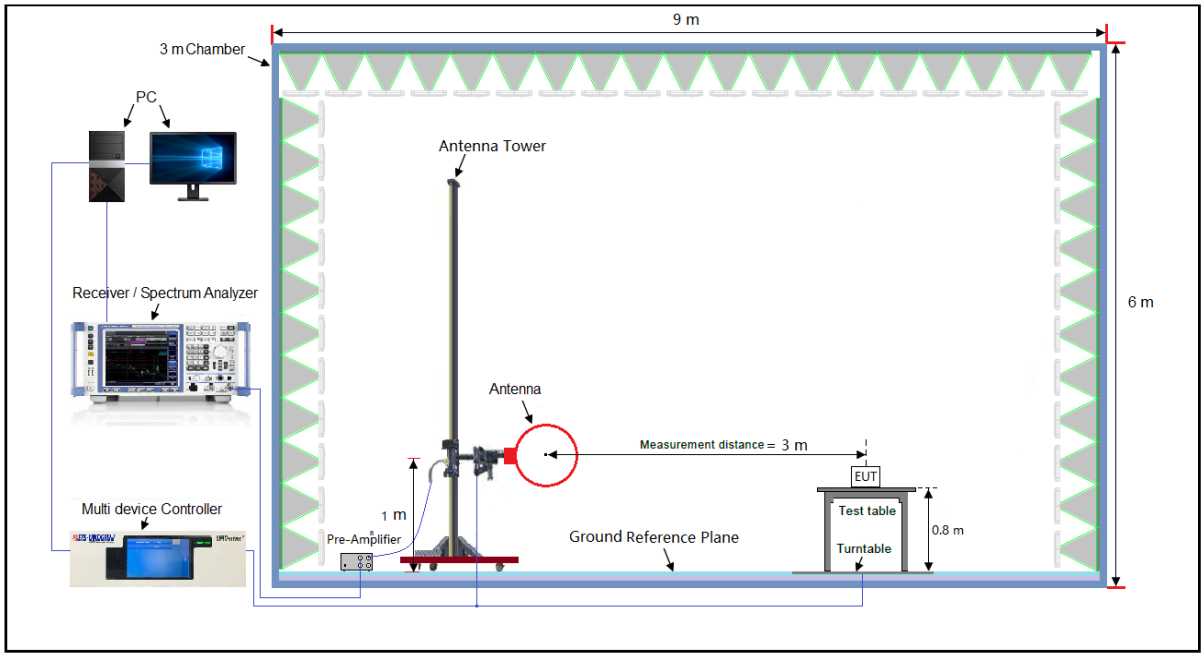


Figure 1. Below 30MHz

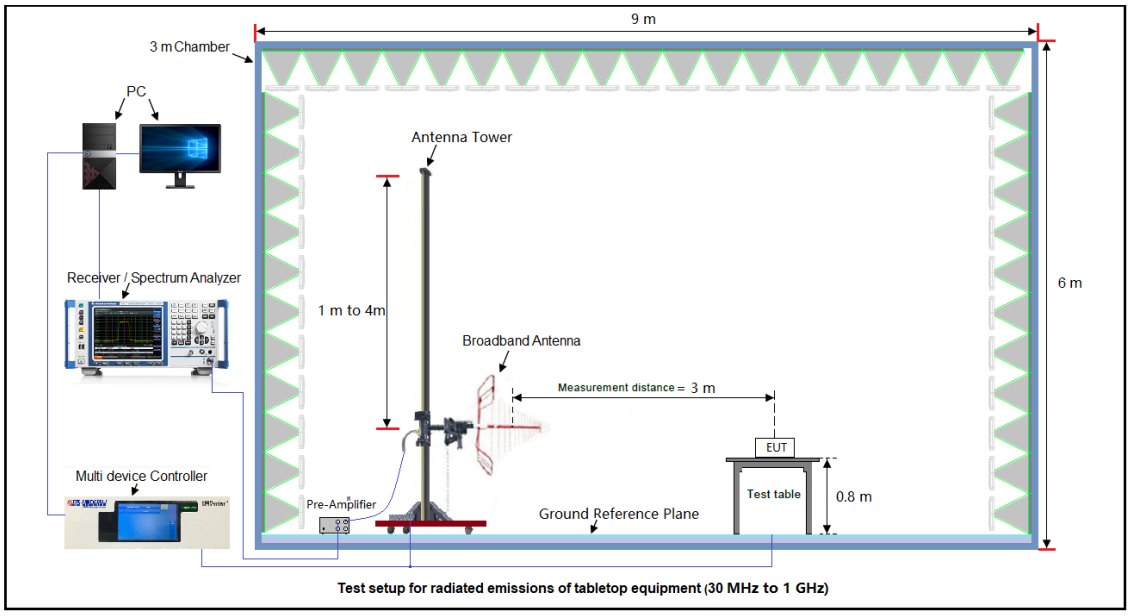
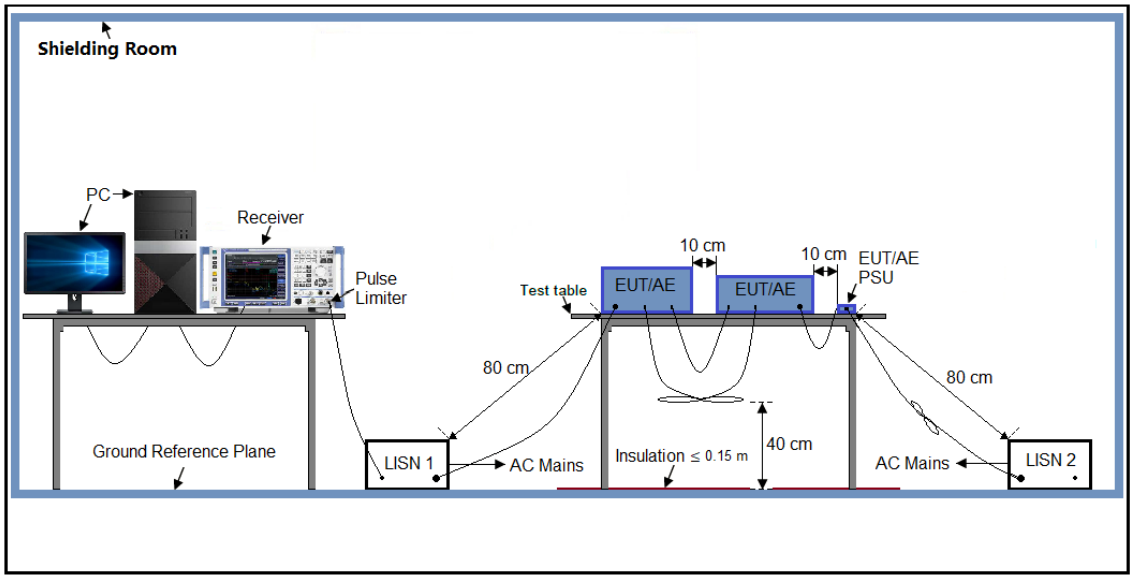
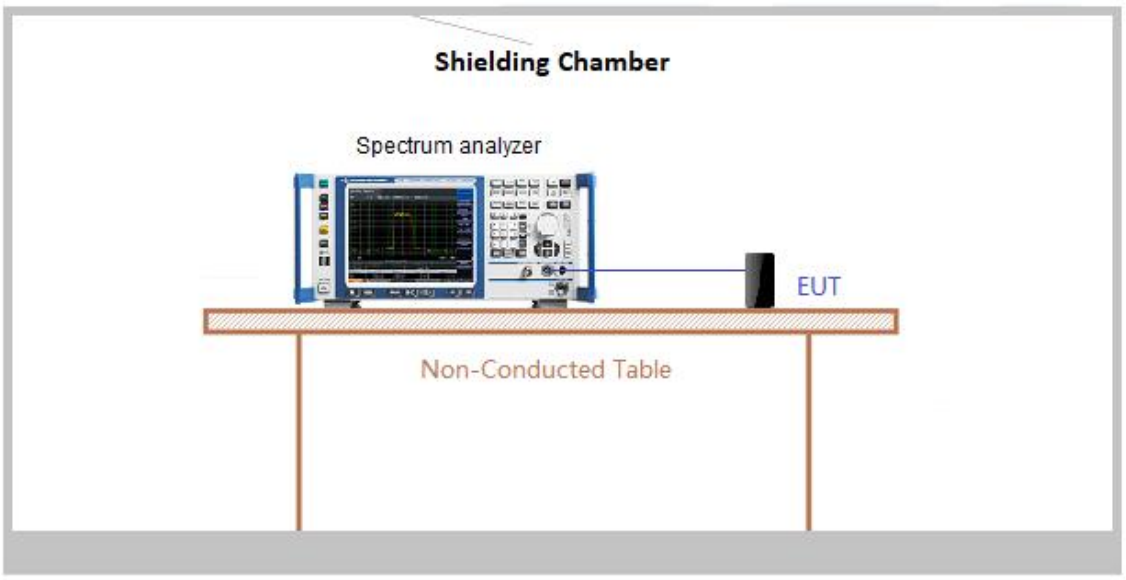


Figure 2. 30MHz to 1GHz

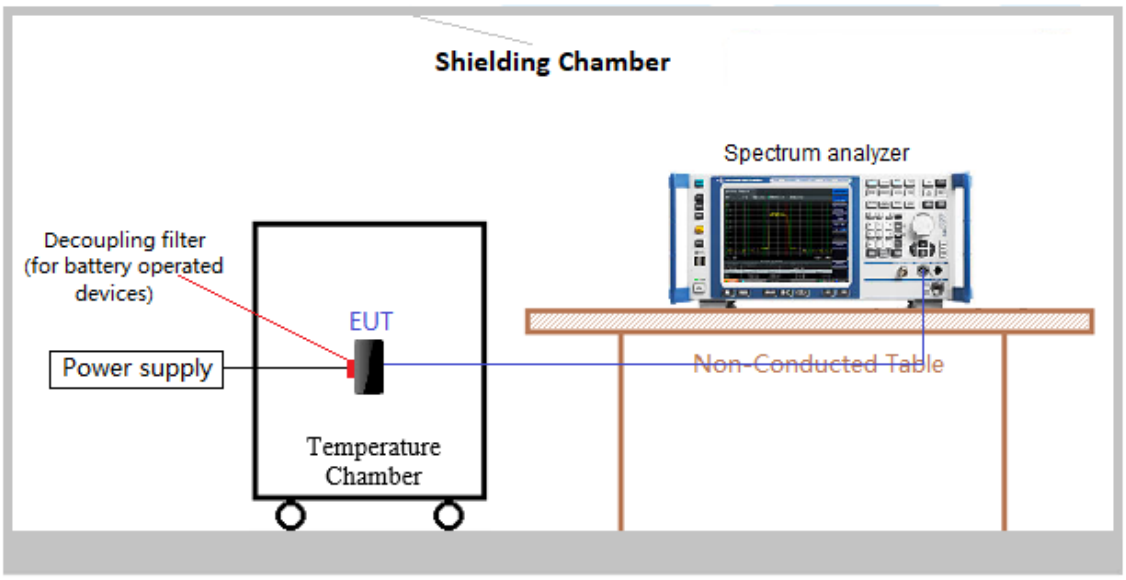
4.5.2 For Conducted Emissions test setup



4.5.3 For Conducted RF test setup



Normal Environment



Extreme Environment

4.6 SYSTEM TEST CONFIGURATION

For emissions testing, the equipment under test (EUT) setup to transmit continuously to simplify the measurement methodology. Care was taken to ensure proper power supply voltages during testing. During testing, radiated emission were performed with the EUT set to transmit at the channel with highest output power as worst-case scenario. It was powered by a 3.87Vdc battery. Only the worst case data were recorded in this test report.

All readings are extrapolated back to the equivalent three meter reading using inverse scaling with distance. Analyzer resolution is 100 kHz or greater for frequencies below 1000 MHz. The resolution is 1 MHz or greater for frequencies above 1000 MHz. The spurious emissions more than 20 dB below the permissible value are not reported.

Radiated emission measurement were performed from the lowest radio frequency signal generated in the device which is greater than 9 kHz to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.

5. RADIO TECHNICAL REQUIREMENTS SPECIFICATION

5.1 REFERENCE DOCUMENTS FOR TESTING

No.	Identity	Document Title
1	FCC 47 CFR Part 15	Radio Frequency Devices
2	ANSI C63.10-2013	American National Standard for Testing Unlicesed Wireless Devices

5.2 ANTENNA REQUIREMENT

Standard Requirement
15.203 requirement: 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, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.
EUT Antenna:
This product has a permanent antenna, fulfill the requirement of this section.

5.3 20DB BANDWIDTH

Test Requirement: FCC 47 CFR Part 15 Subpart C Section 15.215 (c)

Test Method: ANSI C63.10

Limit: Operation within the band 13.110 MHz to 14.010 MHz

Requirement : Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§15.217 through 15.257 and in subpart E of this part, must be designed to ensure that 20dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equip compliance with the 20dB attenuation specification may base on measurement at the intentional radiator's antenna output terminal unless the intentional radiator uses a permanently attached antenna, in which case compliance shall be. Demonstrated by measuring the radiated emissions.

Test Procedure: Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
Use the following spectrum analyzer settings:

a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency
b) Span = approximately 2 to 5 times the OBW
c) RBW = 1% to 5%of the OBW
d) VBW ≥ 3*RBW
e) Sweep = auto;
f) Detector function = peak
g) Trace = max hold
h) All the trace to stabilize, use the marker-to-peak function to set the marker to the peak of the emission, use the marker-delta function to measure and record the 20dB down bandwidth of the emission.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

Test Setup: Refer to section 4.5.3 for details.

Instruments Used: Refer to section 3 for details

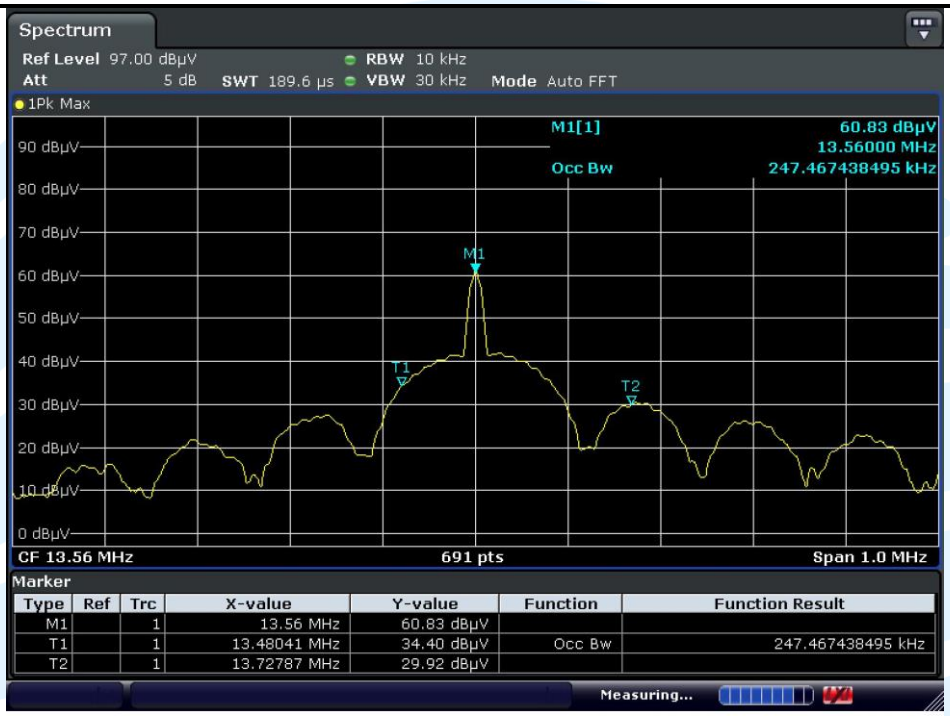
Test Mode: Transmitter mode

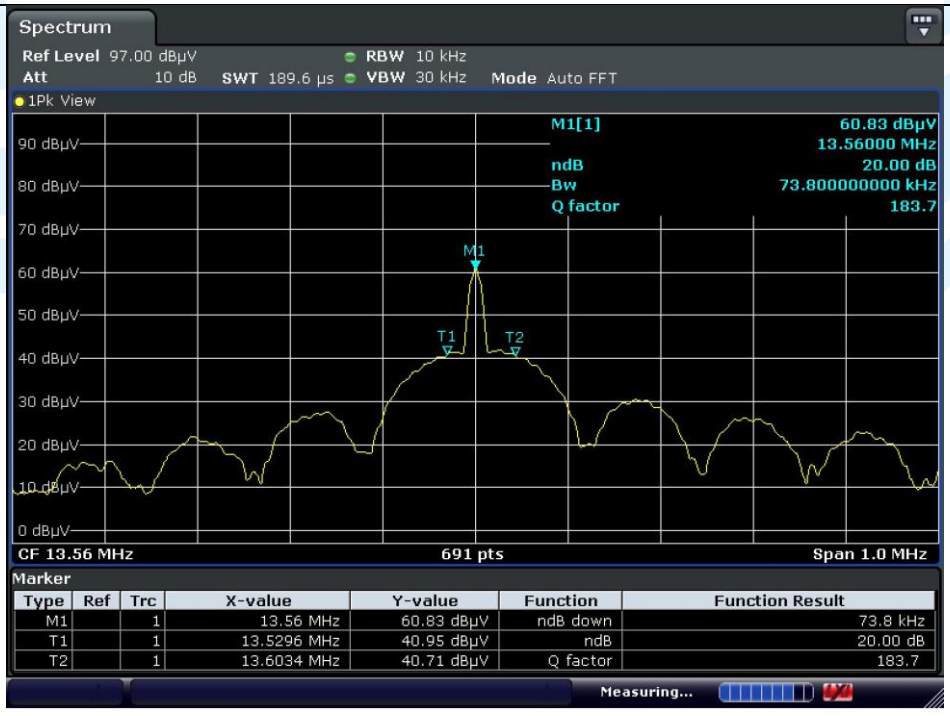
Test Results: Pass

Test Data:

Frequency (MHz)	20 dB Bandwidth (kHz)	Limit	Pass / Fail
13.56 MHz	73.8	Operation within the band 13.110 MHz to 14.010 MHz	Pass

The test plot as follows:





5.4 THE FIELD STRENGTH OF ANY EMISSIONS APPEARING OUTSIDE OF THE 13.110-14.010 MHZ BAND

Test Requirement: FCC 47 CFR Part 15 Subpart C Section 15.225(d) /15.209

Test Method: ANSI C63.10-2013 Section 6.6.4.3

Receiver Setup:

Frequency	RBW
0.009 MHz-0.150 MHz	200/300 kHz
0.150 MHz -30 MHz	9/10 kHz
30 MHz-1 GHz	100/120 kHz
Above 1 GHz	1 MHz

Limits:

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 §15.209.

Spurious Emissions

Frequency	Field strength (microvolt/meter)	Limit (dBμV/m)	Remark	Measurement distance (m)
0.009 MHz-0.490 MHz	2400/F(kHz)	--	--	300
0.490 MHz-1.705 MHz	24000/F(kHz)	--	--	30
1.705 MHz-30 MHz	30	--	--	30
30 MHz-88 MHz	100	40.0	Quasi-peak	3
88 MHz-216 MHz	150	43.5	Quasi-peak	3
216 MHz-960 MHz	200	46.0	Quasi-peak	3
960MHz-1GHz	500	54.0	Quasi-peak	3
Above 1 GHz	500	54.0	Average	3

Remark:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBμV/m) = 20 log Emission level (μV/m).
3. For frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20 dB under any condition of modulation.
4. For Below 30MHz, the measured field strength was extrapolated to distance 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)

   Example:

   Field strength limit for 13.56MHz = 15848 μV/m at 30m
   = 84 dBμV/m at 30m
   = 84 dBμV/m + 40log(30/3) dB at 3m
   = 124 dBμV/m at 3m

Test Setup: Refer to section 4.5.1 for details.

Test Procedures:

1) The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
2) The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
3) The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
4) For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rota table table was turned from 0 degrees to 360 degrees to find the maximum reading.

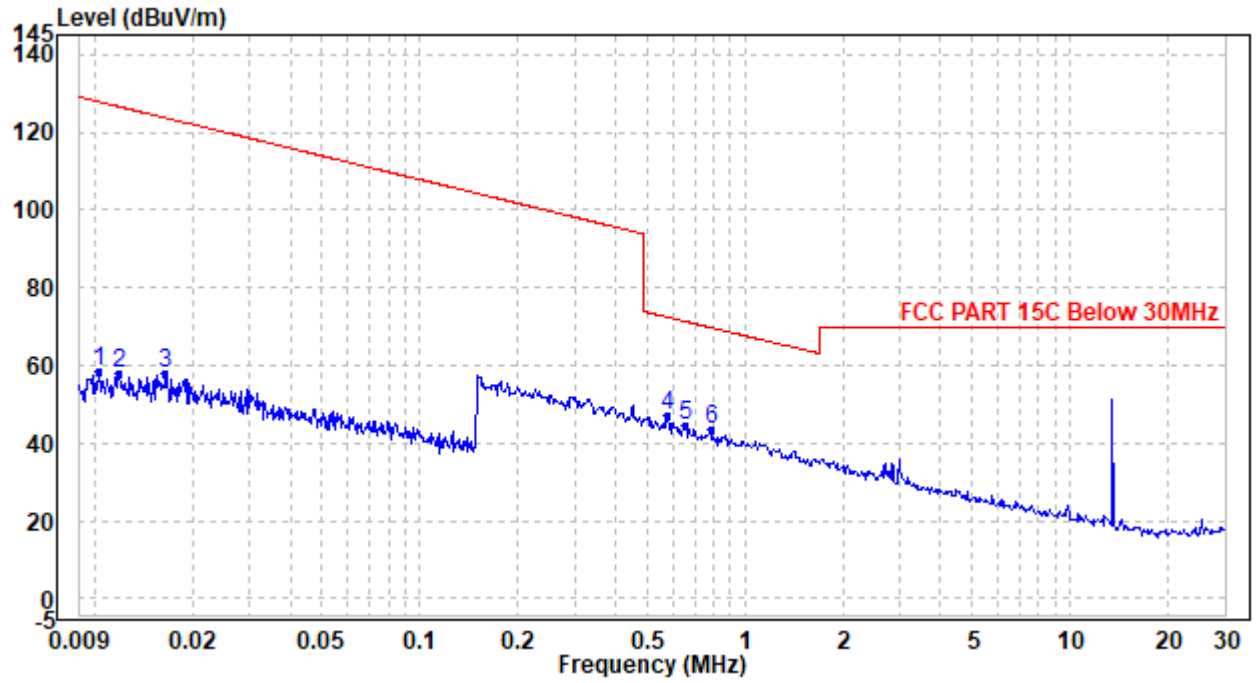
5) The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
6) If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
7) The radiation measurements are performed in X, Y, Z axis positioning. And found the Y axis positioning which it is worse case, only the test worst case mode is recorded in the report.(for portable and mobile devices)

Equipment Used: Refer to section 3 for details.

Test Result: Pass

Radiated Emission Test Data (9 kHz ~ 30 MHz):

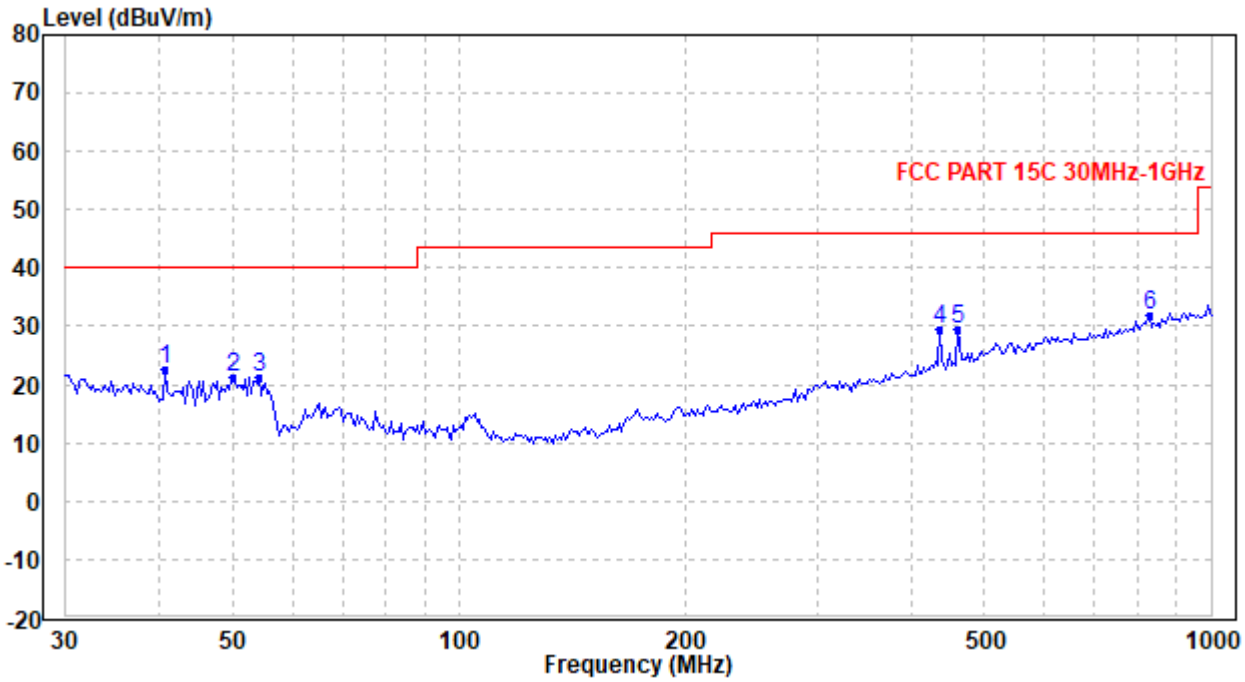
Horizontal



No.	Frequency (MHz)	Reading (dBµV)	Correction factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	0.010	69.70	-11.38	58.32	127.86	-69.54	Peak
2	0.012	69.88	-11.83	58.05	126.57	-68.52	Peak
3	0.017	70.77	-13.12	57.65	123.64	-65.99	Peak
4	0.578	65.31	-18.39	46.92	72.37	-25.45	Peak
5	0.656	62.71	-18.39	44.32	71.27	-26.95	Peak
6	0.786	61.93	-18.38	43.55	69.71	-26.16	Peak

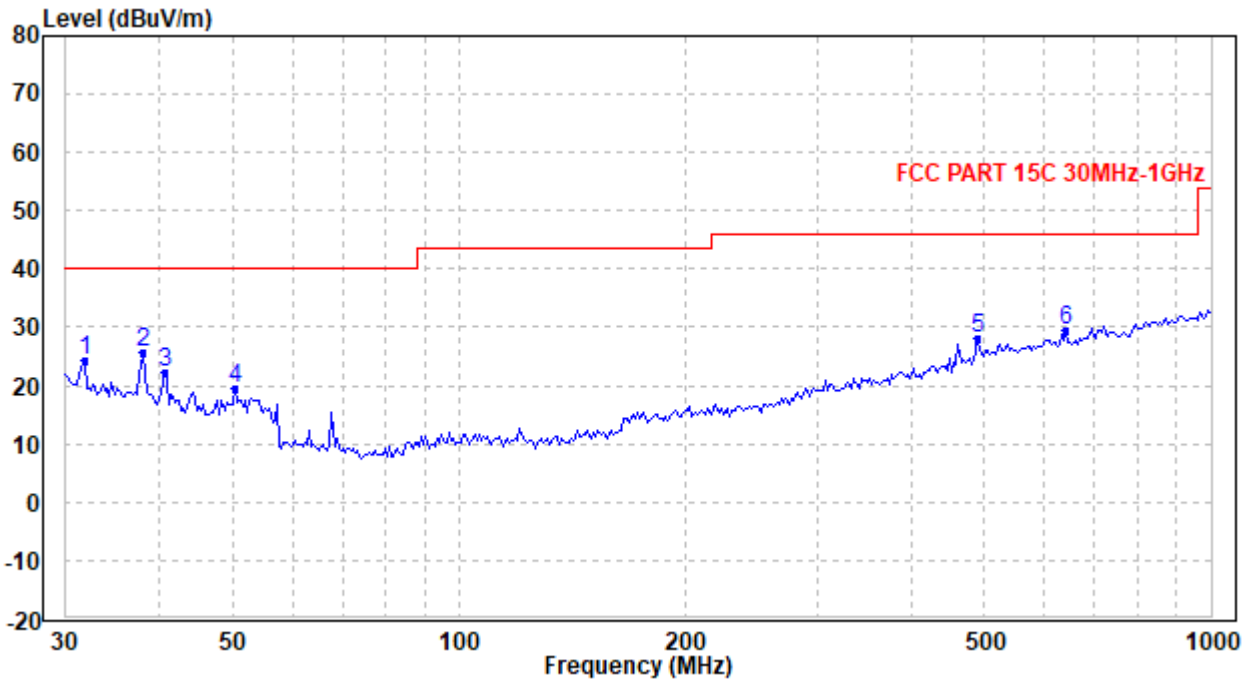
Radiated Emission Test Data (30 MHz ~ 1 GHz):

Horizontal



No.	Frequency (MHz)	Reading (dBµV)	Correction factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	40.584	32.44	-9.85	22.59	40.00	-17.41	Peak
2	50.108	35.37	-14.15	21.22	40.00	-18.78	Peak
3	54.135	37.76	-16.42	21.34	40.00	-18.66	Peak
4	436.396	32.17	-2.67	29.50	46.00	-16.50	Peak
5	461.631	31.56	-2.24	29.32	46.00	-16.68	Peak
6	827.179	27.13	4.82	31.95	46.00	-14.05	Peak

Vertical



No.	Frequency (MHz)	Reading (dBµV)	Correction factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	31.735	30.82	-6.59	24.23	40.00	-15.77	Peak
2	38.096	33.56	-7.95	25.61	40.00	-14.39	Peak
3	40.584	32.20	-9.85	22.35	40.00	-17.65	Peak
4	50.461	33.85	-14.29	19.56	40.00	-20.44	Peak
5	488.326	29.41	-1.37	28.04	46.00	-17.96	Peak
6	642.292	27.83	1.56	29.39	46.00	-16.61	Peak

Remark:

1. Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain, the value was added to Original Receiver Reading by the software automatically.
2. Result = Reading + Correct Factor.
3. Margin = Result – Limit
4. All the above radiated emission data, the NFC fundamental frequency is not marked, please ignore it.

5.5 FUNDAMENTAL FIELD STRENGTH AND EMISSION MASK 13.110 MHZ TO 14.010 MHZ

Test Requirement: FCC 47 CFR Part 15 Subpart C Section 15.225(a) (b) (c) /15.205

Test Method: ANSI C63.10

Limits:

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

Remark:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBμV/m) = 20 log Emission level (μV/m).
3. For Below 30MHz, the measured field strength was extrapolated to distance 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)

Example:

Field strength limit for 13.56MHz = 15848 μV/m at 30m
= 84 dBμV/m at 30m
= 84 dBμV/m + 40log(30/3) dB at 3m
= 124 dBμV/m at 3m

Test Setup: Refer to section 4.5.1 for details.

Test Procedures:

As the radiation test, set the RBW=10kHz VBW=30kHz, observed the outside band of 13.110 MHz to 14.010 MHz, than mark the higher-level emission for comparing with the FCC rules.

Equipment Used: Refer to section 3 for details.

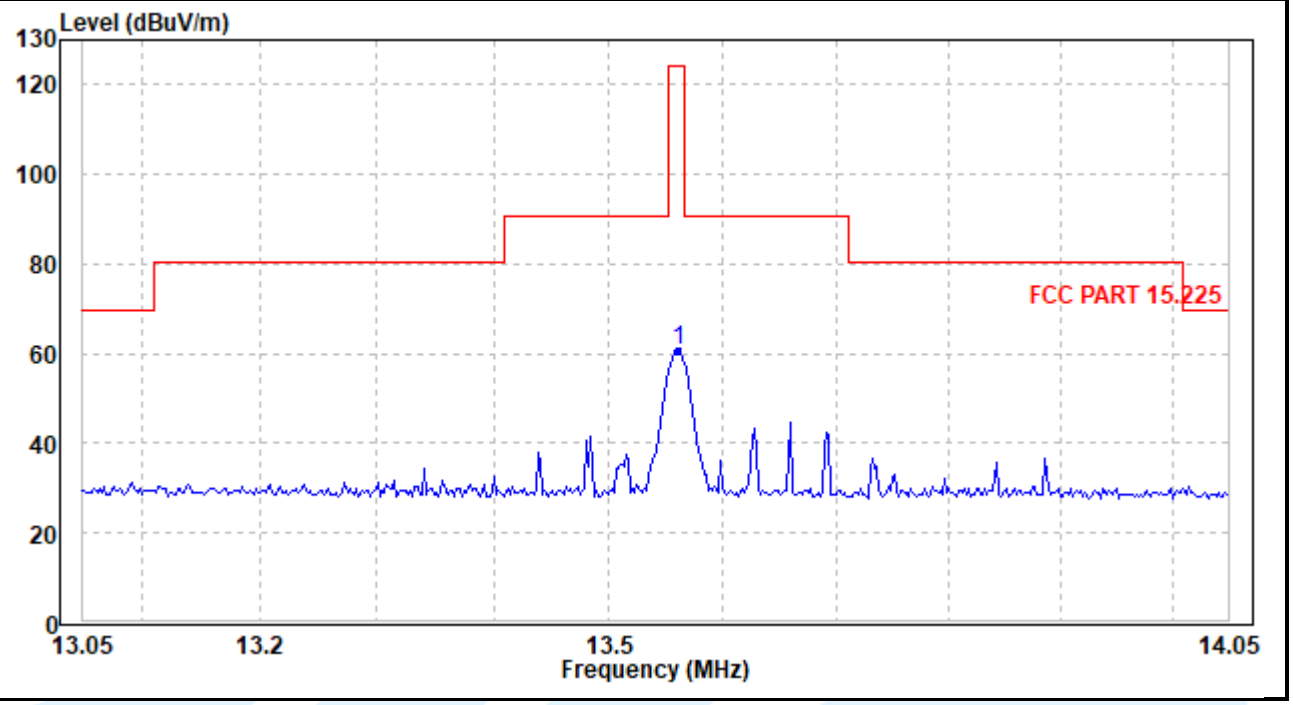
Test Result: Pass

Maximum Field Strength:

Fundamental frequency	Polari-zation	Detector	Result at 3m (dBμV/m)	Limit at 3m (dBμV/m)	Margin (dB)
13.56 MHz	Y	Peak	60.9	124	63.1

Emission Mask:

The worst case test plots as below.



5.6 FREQUENCY TOLERANCE

Test Requirement: FCC 47 CFR Part 15 Subpart C Section 15.225(e)

Test Method: ANSI C63.10-2013

Limits:

The frequency tolerance of the carrier signal shall be maintained within ±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.

Test Setup: Refer to section 4.5.3 for details.

Test Procedures:

1) The EUT was placed inside the environmental test chamber and powered by nominal DC voltage.
2) Turn the EUT on and couple its output to a spectrum analyzer.
3) Turn the EUT off and set the chamber to the highest temperature specified.
4) Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 minutes.
5) Repeat step c) and d) with the temperature chamber set to the lowest temperature.
6) The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

Equipment Used: Refer to section 3 for details.

Test Result: Pass

Frequency Tolerance VS Temperature and Voltage									
Temp.(°C)	Voltage	Test time (minutes)							
		0	2	5	10	0	2	5	10
		Measured Frequency (MHz)				Frequency Drift (%)			
50	VN	13.56014	13.5603	13.56022	13.56011	0.0010	0.0022	0.0016	0.0008
40	VN	13.56023	13.56042	13.56068	13.56075	0.0017	0.0031	0.0050	0.0055
30	VN	13.56024	13.56034	13.56033	13.56077	0.0018	0.0025	0.0024	0.0057
20	VN	13.56014	13.56038	13.56045	13.56068	0.0010	0.0028	0.0033	0.0050
	VL	13.56023	13.56078	13.56033	13.56033	0.0017	0.0058	0.0024	0.0024
	VH	13.56033	13.56023	13.56032	13.56045	0.0024	0.0017	0.0024	0.0033
10	VN	13.56024	13.56004	13.56068	13.56022	0.0018	0.0003	0.0050	0.0016
0	VN	13.56074	13.56002	13.56032	13.56032	0.0055	0.0001	0.0024	0.0024
-10	VN	13.56018	13.56013	13.56046	13.56035	0.0013	0.0010	0.0034	0.0026
-20	VN	13.56014	13.56061	13.56099	13.56012	0.0010	0.0045	0.0073	0.0009
Limit: ±0.01 %									

5.7 CONDUCTED EMISSION

Test Requirement: FCC 47 CFR Part 15 Subpart C Section 15.207

Test Method: ANSI C63.10-2013 Section 6.2

Limits:

Frequency range (MHz)	Limits (dB(μV))	
	Quasi-peak	Average
0,15 to 0,50	66 to 56	56 to 46
0,50 to 5	56	46
5 to 30	60	50

Remark:

1. The lower limit shall apply at the transition frequencies.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 to 0.50 MHz.

Test Setup: Refer to section 4.5.2 for details.

Test Procedures:

Test frequency range :150KHz-30MHz

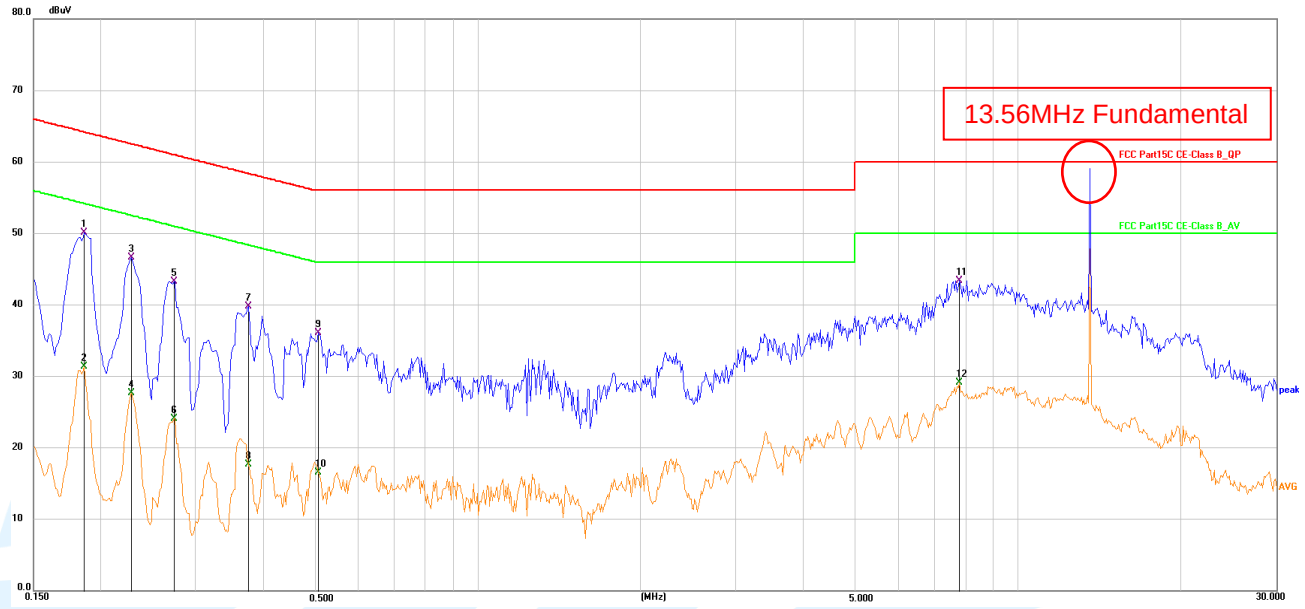
7) The mains terminal disturbance voltage test was conducted in a shielded room.
8) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50Ω/50μH + 5Ω linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
9) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,
10) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
11) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Equipment Used: Refer to section 3 for details.

Test Result: Pass

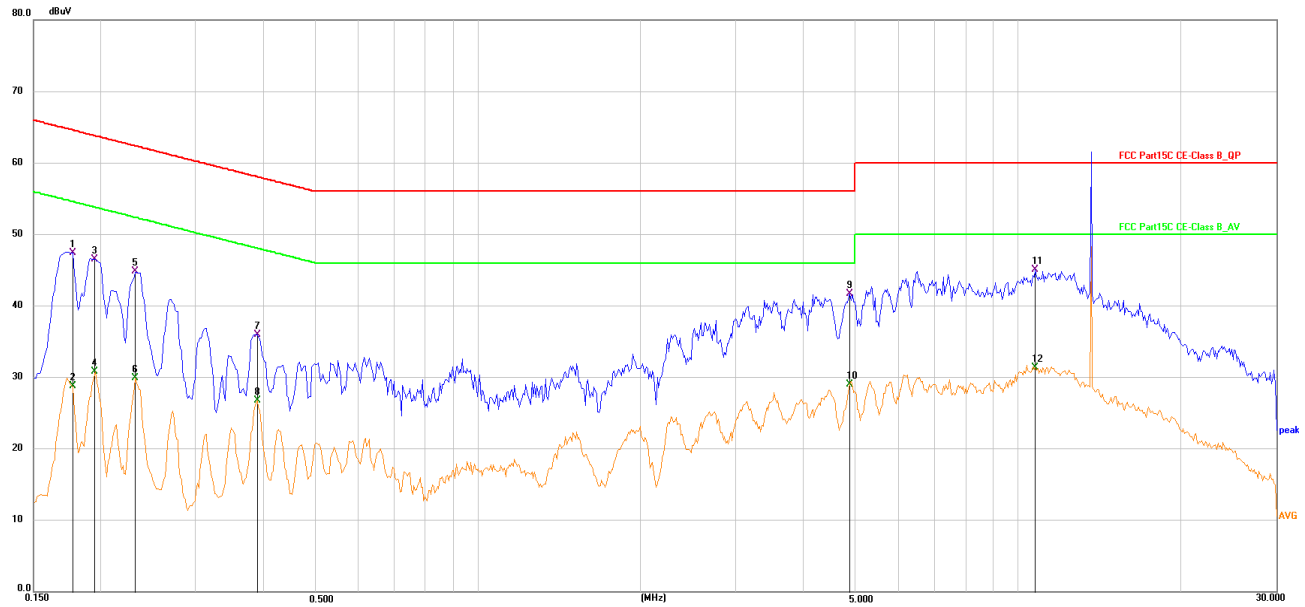
The worst measurement data as follows:
Quasi Peak and Average:
NFC (With Antenna)
AC 120V~60Hz

Live Line



No.	Frequency (MHz)	Reading (dBµV)	Correction factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.1860	40.34	9.79	50.13	64.21	-14.08	QP
2	0.1860	21.59	9.79	31.38	54.21	-22.83	AVG
3	0.2280	36.88	9.78	46.66	62.52	-15.86	QP
4	0.2280	17.87	9.78	27.65	52.52	-24.87	AVG
5	0.2730	33.54	9.75	43.29	61.03	-17.74	QP
6	0.2730	14.34	9.75	24.09	51.03	-26.94	AVG
7	0.3750	29.99	9.78	39.77	58.39	-18.62	QP
8	0.3750	7.87	9.78	17.65	48.39	-30.74	AVG
9	0.5050	26.23	9.79	36.02	56.00	-19.98	QP
10	0.5050	6.75	9.79	16.54	46.00	-29.46	AVG
11	7.8044	33.69	9.72	43.41	60.00	-16.59	QP
12	7.8044	19.44	9.72	29.16	50.00	-20.84	AVG

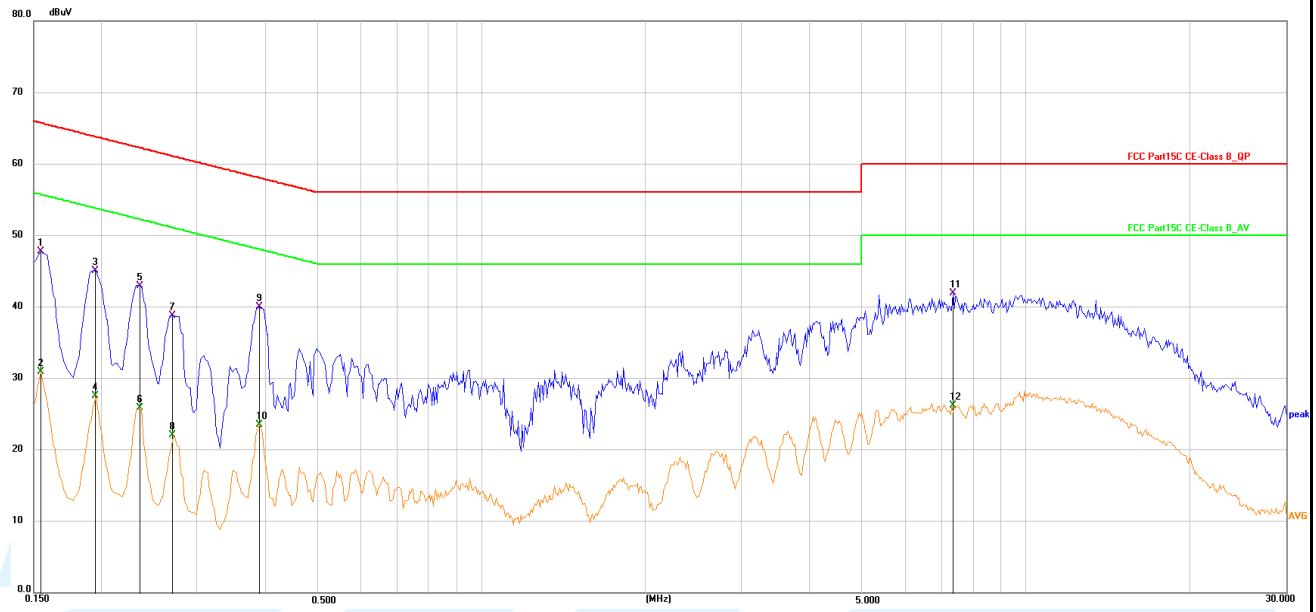
Neutral Line



No.	Frequency (MHz)	Reading (dBµV)	Correction factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.1770	37.62	9.78	47.40	64.63	-17.23	QP
2	0.1770	18.97	9.78	28.75	54.63	-25.88	AVG
3	0.1949	36.74	9.77	46.51	63.83	-17.32	QP
4	0.1949	21.03	9.77	30.80	53.83	-23.03	AVG
5	0.2310	34.99	9.78	44.77	62.41	-17.64	QP
6	0.2310	20.08	9.78	29.86	52.41	-22.55	AVG
7	0.3885	26.20	9.78	35.98	58.10	-22.12	QP
8	0.3885	16.94	9.78	26.72	48.10	-21.38	AVG
9	4.8974	31.96	9.76	41.72	56.00	-14.28	QP
10	4.8974	19.22	9.76	28.98	46.00	-17.02	AVG
11	10.7340	35.36	9.70	45.06	60.00	-14.94	QP
12	10.7340	21.62	9.70	31.32	50.00	-18.68	AVG

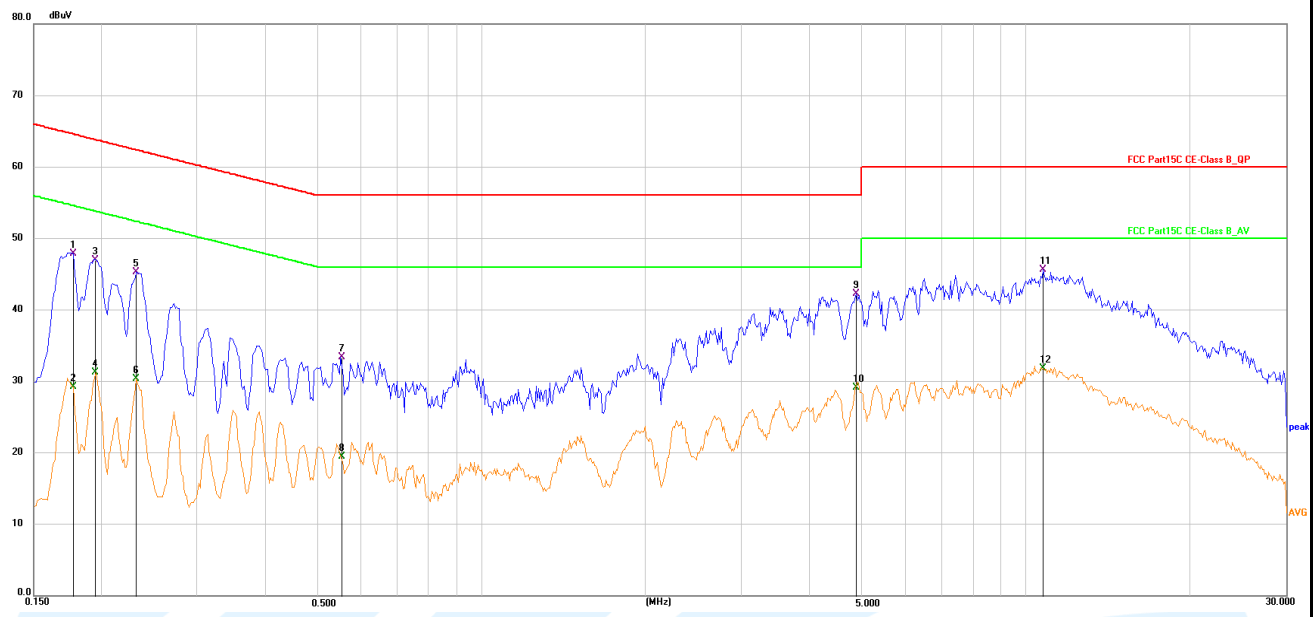
Quasi Peak and Average:
NFC (With Simulates the antenna)
AC 120V~60Hz

Live Line



No.	Frequency (MHz)	Reading (dBµV)	Correction factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.1545	37.93	9.86	47.79	65.75	-17.96	QP
2	0.1545	21.09	9.86	30.95	55.75	-24.80	AVG
3	0.1949	35.26	9.80	45.06	63.83	-18.77	QP
4	0.1949	17.72	9.80	27.52	53.83	-26.31	AVG
5	0.2353	33.19	9.77	42.96	62.26	-19.30	QP
6	0.2353	16.14	9.77	25.91	52.26	-26.35	AVG
7	0.2714	29.01	9.75	38.76	61.07	-22.31	QP
8	0.2714	12.33	9.75	22.08	51.07	-28.99	AVG
9	0.3885	30.26	9.79	40.05	58.10	-18.05	QP
10	0.3885	13.76	9.79	23.55	48.10	-24.55	AVG
11	7.3635	32.13	9.74	41.87	60.00	-18.13	QP
12	7.3635	16.51	9.74	26.25	50.00	-23.75	AVG

Neutral Line



No.	Frequency (MHz)	Reading (dBµV)	Correction factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.1770	38.12	9.78	47.90	64.63	-16.73	QP
2	0.1770	19.41	9.78	29.19	54.63	-25.44	AVG
3	0.1949	37.24	9.77	47.01	63.83	-16.82	QP
4	0.1949	21.53	9.77	31.30	53.83	-22.53	AVG
5	0.2310	35.49	9.78	45.27	62.41	-17.14	QP
6	0.2310	20.58	9.78	30.36	52.41	-22.05	AVG
7	0.5503	23.60	9.75	33.35	56.00	-22.65	QP
8	0.5503	9.70	9.75	19.45	46.00	-26.55	AVG
9	4.8974	32.46	9.76	42.22	56.00	-13.78	QP
10	4.8974	19.34	9.76	29.10	46.00	-16.90	AVG
11	10.7340	35.86	9.70	45.56	60.00	-14.44	QP
12	10.7340	22.12	9.70	31.82	50.00	-18.18	AVG

Remark:

1. Correct Factor = LISN Factor + Cable Loss + Pulse Limiter Factor, the value was added to Original Receiver Reading by the software automatically.
2. Result = Reading + Correct Factor.
3. Margin = Result - Limit
4. An initial pre-scan was performed on the Phase and neutral lines with peak detector. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.
5. All the above conducted emission data, the NFC fundamental frequency is not marked, It may exceed the limit, please ignore it.

APPENDIX 1 PHOTOS OF TEST SETUP

See test photos attached in Appendix 1 for the actual connections between Product and support equipment.

APPENDIX 2 PHOTOS OF EUT CONSTRUCTIONAL DETAILS

Refer to Appendix 2 for EUT external and internal photos.

*** End of Report ***
