Peloton Interactive Inc.

TEST REPORT

REPORT NUMBER
180300424TWN-001

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Jul. 12, 2018

PAGES
34

DOCUMENT CONTROL NUMBER

Radio Spectrum
TEST REPORT

Applicant:	**Peloton Interactive Inc.** **125 W 25th St, 11th Floor, New York, NY 10001**
Product:	**Peloton Tread Tablet**
Model No.:	**PLTN-TC1VS**
Brand Name:	**Peloton Console**
FCC ID:	**2AA3N-TC1VS**
Test Method/ Standard:	**47 CFR FCC Part 15.225**
Test By:	**Intertek Testing Services Taiwan Ltd.,** **Hsinchu Laboratory** **No. 11, Lane 275, Ko-Nan 1 Street, Chia-Tung Li,** **Shiang-Shan District, Hsinchu City, Taiwan**

Testing Laboratory
0597

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Engineer

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Maxy. You.

Maxy You
Engineer

Revision History

Report No.	Issue Date	Revision Summary
180300424TWN-001	Jul. 12, 2018	Original report

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Summary of Test Data

Test Requirement	Applicable Rule (Section 15.225)	Result
Fundamental emission	15.225 (a)	Pass
20 dB Bandwidth	15.215	Pass
Frequency Satiability	15.225 (e)	Pass
In band Radiated Emissions	15.225(b),15.225(c)	Pass
Out of band Radiated Emissions	15.225(d)	Pass
AC Power Line Conducted Emission	15.207	Pass
Antenna Requirement	15.203	Pass

1. General Information

1.1 Identification of the EUT

Product:	Peloton Tread Tablet
Model No.:	PLTN-TC1VS
Operating Frequency:	13.56 MHz
Access scheme:	ASK
Rated Power:	DC 24V from adapter
Power Cord:	N/A
Sample receiving date:	Apr. 10, 2018
Sample condition:	Workable
Test Date(s):	Apr. 23, 2018 ~ Apr. 27, 2018

1.2 Antenna description

Antenna Type : Loop Antenna
Connector Type : I-PEX

1.3 Peripherals equipment

No.	Model no.	Specification
Adapter	EA10681V-240	I/P: 100-240V~, 2.0A,50-60Hz O/P: 24V, 3A

1.4 Operation mode

TX mode: The EUT transmit 13.56MHz signal continuously while we power on the EUT.

2. Fundamental emission

2.1 Operating environment

Temperature:	25	℃
Relative Humidity:	55	%
Atmospheric Pressure	1008	hPa
Requirement & Test method	15.225 (a)	

2.2 Limit for Fundamental emission

The field strength of any emissions within the band 13.553-13.567 MHz shall not exceed 15,848 uV/m(83.99 dBuV/m) at 30 meters.

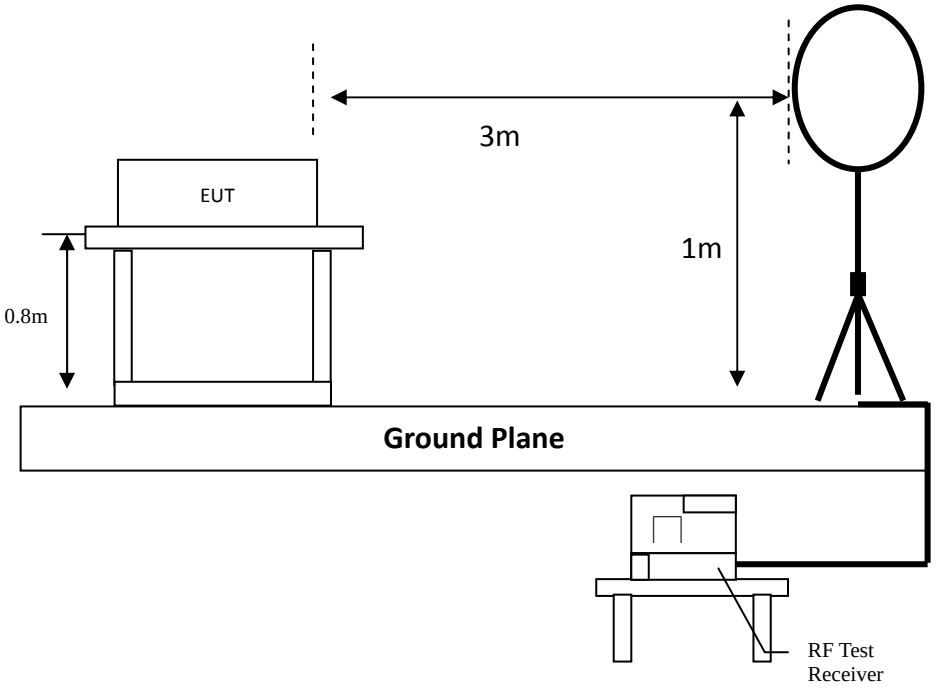
2.3 Measuring instrument setting

Spectrum analyzer settings	
Spectrum Analyzer function	**Setting**
Detector	QP
RBW	10 kHz
Sweep	Auto couple
Trace	Max hold
Span	900 kHz
Attenuation	Auto

2.4 Test procedure

1. Configure the EUT according to ANSI C63.10:2013. The EUT was placed on the top of the turntable 0.8 meter above ground. The 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 companion devices. The turntable was rotated by 360 degree to find the position of the maximum emission level.
3. The height of the receiving antenna was one meter above ground to find the maximum emission field strength of the both plane and coaxial polarity
4. Set the test-receiver system to peak or CISPR quasi-peak detector with specified bandwidth under maximum hold mode.

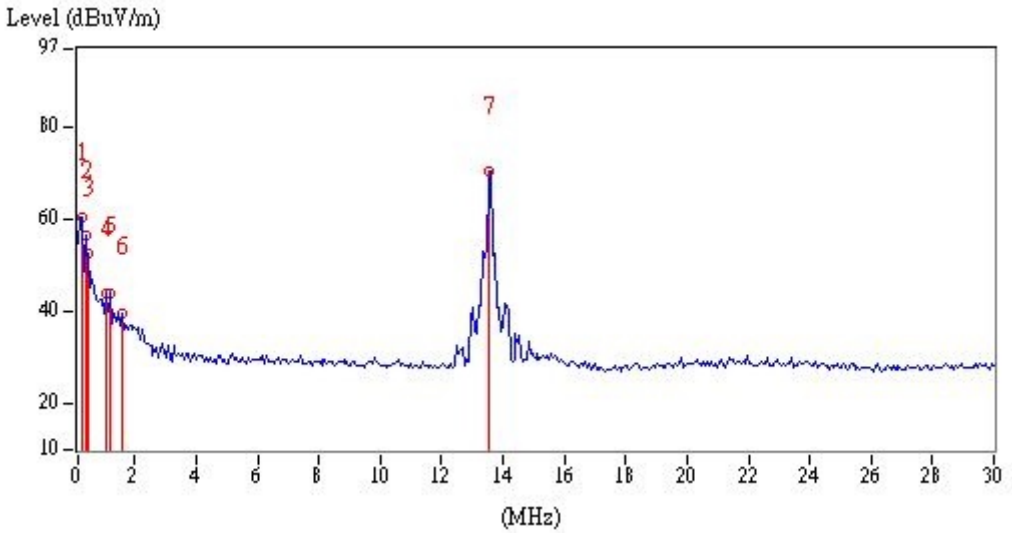
2.5 Test diagram



2.6 Test result

Polarity (circle)	Frequency (MHz)	Detection value	factor (dB/m)	Reading (dBµV)	value (dBµV/m)	Limit @ 3m (dBµV/m)	Tolerance (dB)
Plane	13.56	QP	21.03	49.30	70.33	124.00	-53.67

13.56MHz , Limit= 84dBuV +40 dB (decade) = 124 dB



3. 20 dB Bandwidth

3.1 Operating environment

Temperature:	25	℃
Relative Humidity:	55	%
Atmospheric Pressure	1008	hPa
Requirement & Test method	15.215	

3.2 Limit for 20 dB bandwidth

None

3.3 Measuring instrument setting

Spectrum analyzer settings	
Spectrum Analyzer function	**Setting**
Detector	Peak
RBW	20kHz
VBW	62kHz
Sweep	Auto couple
Trace	Allow the trace to stabilize.
Span	≧ 1.2 times the 20 dB bandwidth
Attenuation	Auto

3.4 Test procedure

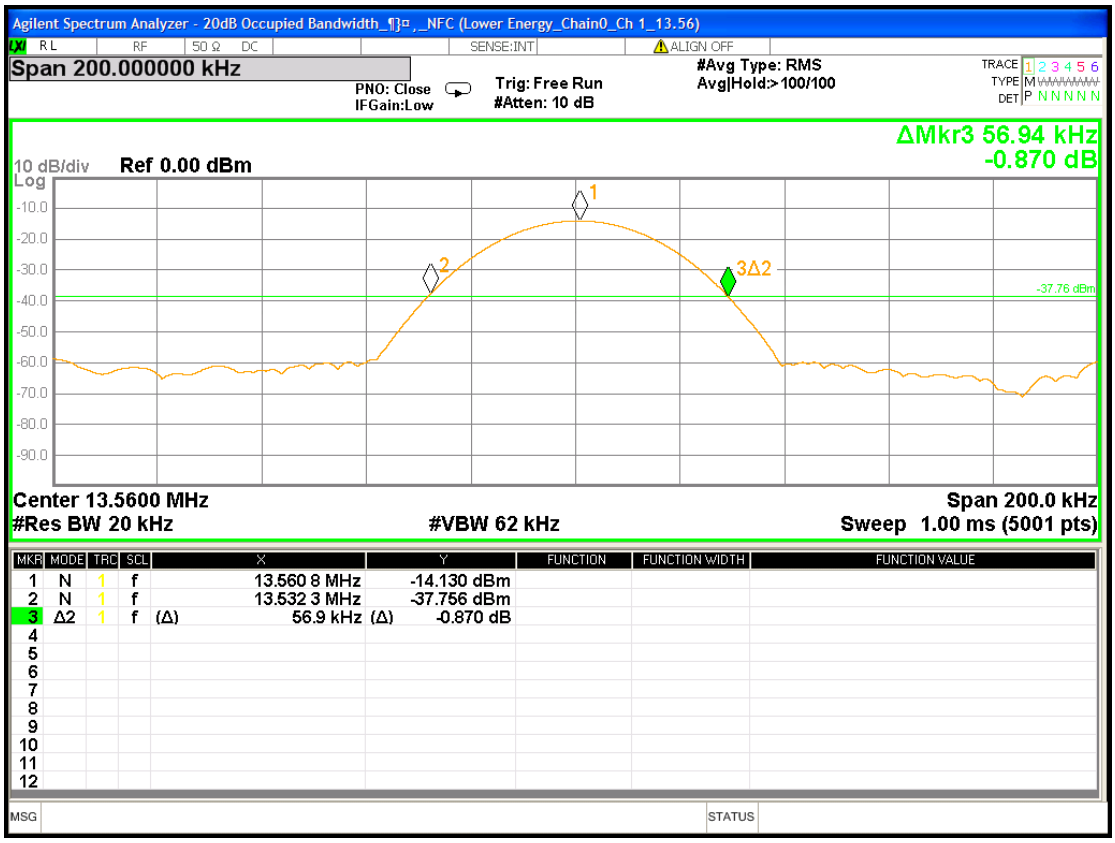
The 20 dB bandwidth was measured by spectrum analyzer connected to a receive antenna placed near the test sample while it is transmitting.

3.5 Test results

Single TX

Mode	Frequency (MHz)	20dB Occupied Bandwidth (kHz)
NFC	13.56	56.9

20dB Bandwidth @ NFC 13.56MHz



4. Frequency Satiability

4.1 Operating environment

Temperature:	25	℃
Relative Humidity:	55	%
Atmospheric Pressure	1008	hPa
Requirement & Test method	15.225(e)	

4.2 Limit for Frequency Satiability

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.

4.3 Measuring instrument setting

Spectrum analyzer settings	
Spectrum Analyzer function	**Setting**
Detector	Peak
RBW	3kHz
VBW	9.1kHz
Sweep	Auto couple
Trace	Allow the trace to stabilize.
Span	Sufficient to see the complete emission BW
Attenuation	Auto

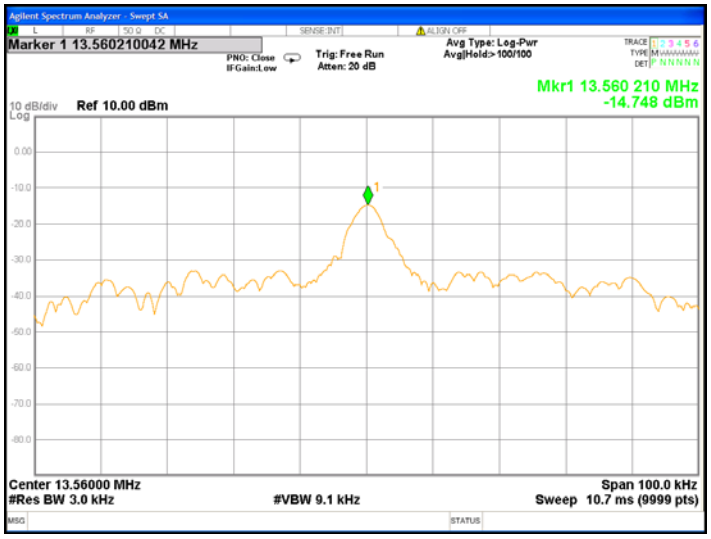
4.4 Test procedure

Turn the EUT on, and couple its output to a frequency counter or other frequency-measuring device of sufficient accuracy, considering the frequency tolerance with which the EUT shall comply.

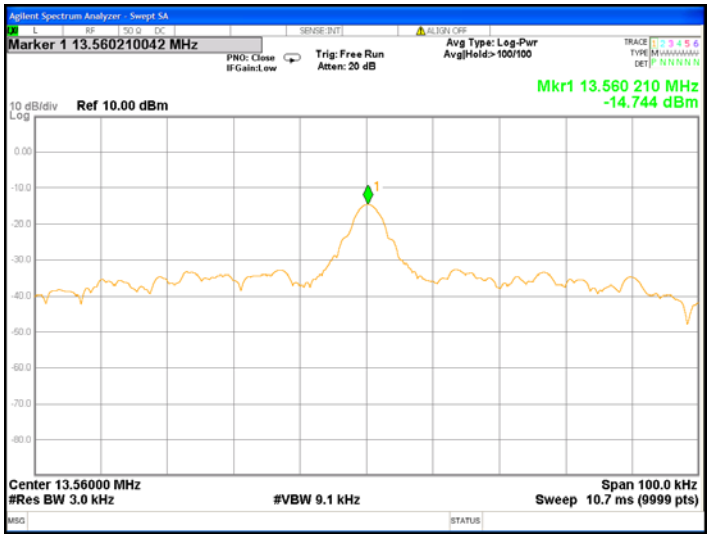
4.5 Test result

Temperature	Measuring Frequency (MHz)	Voltage	Comparison Frequency	Difference (MHz)	Difference (%)	Limit (%)	Result
-20	13.560200	120Vac	13.56	0.000200	0.001475%	±0.01	Pass
-10	13.560210	120Vac	13.56	0.000210	0.001549%	±0.01	Pass
0	13.560200	120Vac	13.56	0.000200	0.001475%	±0.01	Pass
10	13.560200	120Vac	13.56	0.000200	0.001475%	±0.01	Pass
20	13.560210	120Vac	13.56	0.000210	0.001549%	±0.01	Pass
30	13.560190	120Vac	13.56	0.000190	0.001401%	±0.01	Pass
40	13.560190	120Vac	13.56	0.000190	0.001401%	±0.01	Pass
50	13.560190	120Vac	13.56	0.000190	0.001401%	±0.01	Pass
20	13.560210	102Vac	13.56	0.000210	0.001549%	±0.01	Pass
	13.560210	120Vac	13.56	0.000210	0.001549%	±0.01	Pass
	13.560200	138Vac	13.56	0.000200	0.001475%	±0.01	Pass

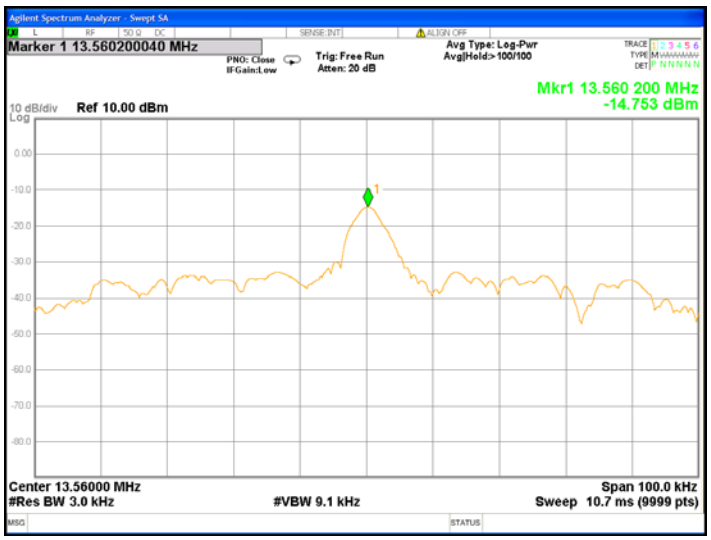
20℃ 120Vdc



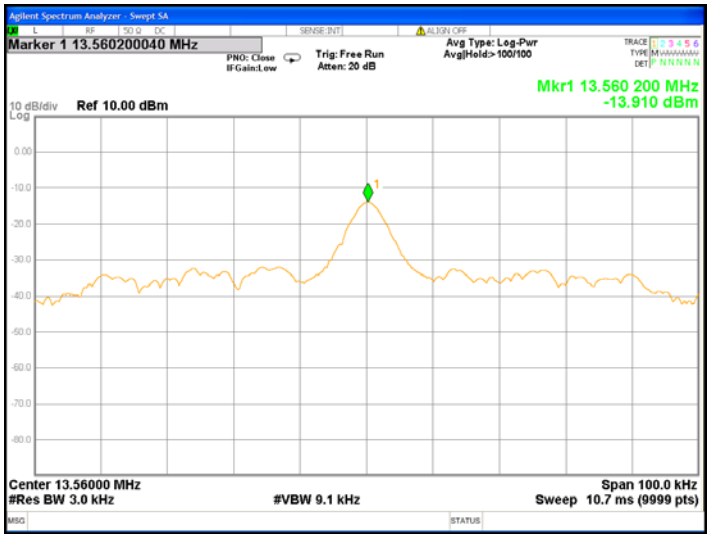
20℃ 102Vdc



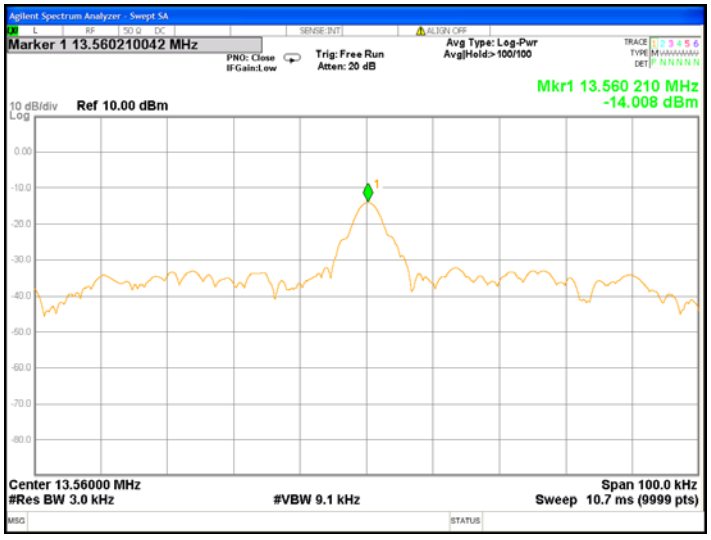
20℃ 138Vac



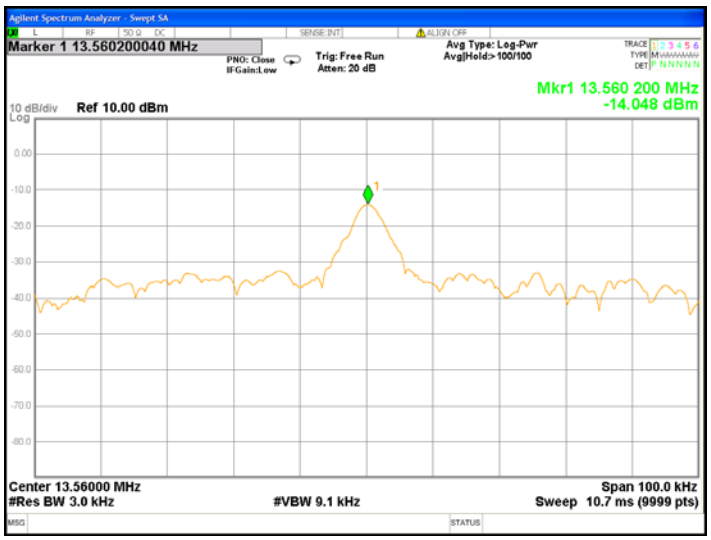
-20℃


Agilent Spectrum Analyzer - Swept SA
Marker 1 13.560200040 MHz
PNO: Close
IFGain:Low
Trig: Free Run
Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Mkr1 13.560 200 MHz
-13.910 dBm
10 dB/div
Log
Ref 10.00 dBm
Center 13.56000 MHz
#Res BW 3.0 kHz
#VBW 9.1 kHz
Span 100.0 kHz
Sweep 10.7 ms (9999 pts)

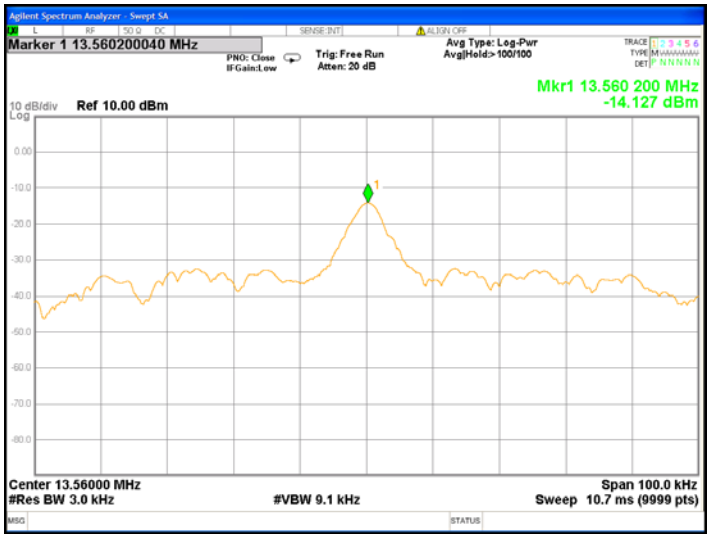
-10℃


Agilent Spectrum Analyzer - Swept SA
Marker 1 13.560210042 MHz
PNO: Close
IFGain:Low
Trig: Free Run
Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Mkr1 13.560 210 MHz
-14.008 dBm
10 dB/div
Log
Ref 10.00 dBm
Center 13.56000 MHz
#Res BW 3.0 kHz
#VBW 9.1 kHz
Span 100.0 kHz
Sweep 10.7 ms (9999 pts)

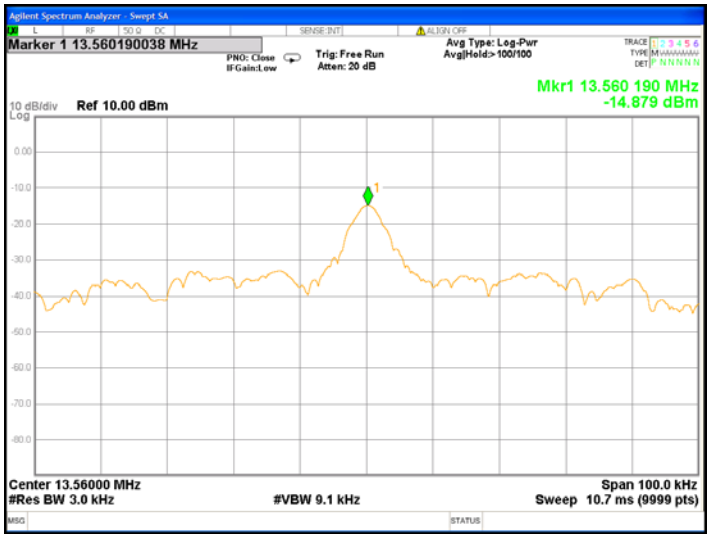
0℃


Agilent Spectrum Analyzer - Swept SA
Marker 1 13.560200040 MHz
PNO: Close
IFGain:Low
Trig: Free Run
Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Mkr1 13.560 200 MHz
-14.048 dBm
10 dB/div
Log
Ref 10.00 dBm
Center 13.56000 MHz
#Res BW 3.0 kHz
#VBW 9.1 kHz
Span 100.0 kHz
Sweep 10.7 ms (9999 pts)

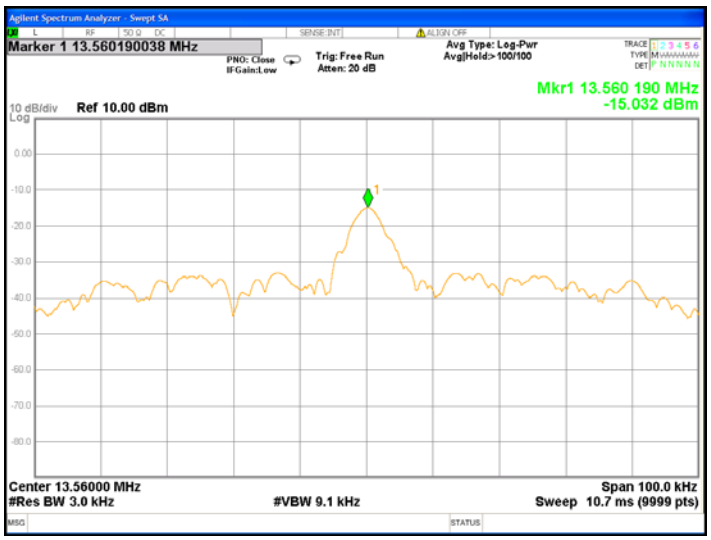
10℃


Agilent Spectrum Analyzer - Swept SA
Marker 1 13.560200040 MHz
PNO: Close
IFGain:Low
Trig: Free Run
Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Mkr1 13.560 200 MHz
-14.127 dBm
10 dB/div
Log
Ref 10.00 dBm
Center 13.56000 MHz
#Res BW 3.0 kHz
#VBW 9.1 kHz
Span 100.0 kHz
Sweep 10.7 ms (9999 pts)

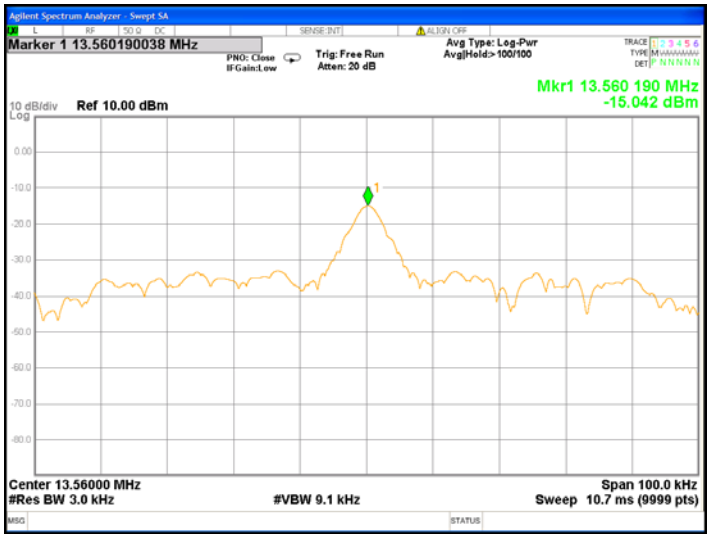
30℃


Agilent Spectrum Analyzer - Swept SA
Marker 1 13.560190038 MHz
PNO: Close
IFGain:Low
Trig: Free Run
Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Mkr1 13.560 190 MHz
-14.879 dBm
10 dB/div
Log
Ref 10.00 dBm
Center 13.56000 MHz
#Res BW 3.0 kHz
#VBW 9.1 kHz
Span 100.0 kHz
Sweep 10.7 ms (9999 pts)

40℃


Agilent Spectrum Analyzer - Swept SA
Marker 1 13.560190038 MHz
PNO: Close
IFGain:Low
Trig: Free Run
Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Mkr1 13.560 190 MHz
-15.032 dBm
10 dB/div
Log
Ref 10.00 dBm
Center 13.56000 MHz
#Res BW 3.0 kHz
#VBW 9.1 kHz
Span 100.0 kHz
Sweep 10.7 ms (9999 pts)

50℃


Agilent Spectrum Analyzer - Swept SA
Marker 1 13.560190038 MHz
PNO: Close
IFGain:Low
Trig: Free Run
Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Mkr1 13.560 190 MHz
-15.042 dBm
10 dB/div
Log
Ref 10.00 dBm
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
Center 13.56000 MHz
#Res BW 3.0 kHz
#VBW 9.1 kHz
Span 100.0 kHz
Sweep 10.7 ms (9999 pts)

5. In band Radiated Emissions

5.1 Operating environment

Temperature:	25	℃
Relative Humidity:	55	%
Atmospheric Pressure	1008	hPa
Requirement	15.225(b),15.225(c)	

5.2 Limit for emissions in non-restricted frequency bands

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.

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.

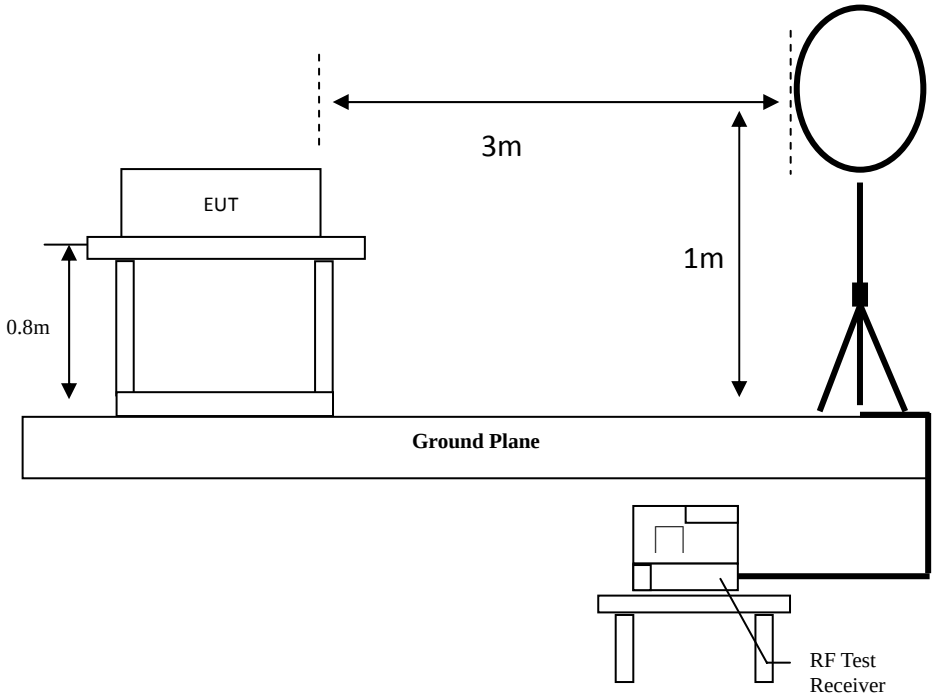
5.3 Measuring instruments setting

Spectrum analyzer settings	
Spectrum Analyzer function	**Setting**
Detector	QP
RBW	10 kHz
Sweep	Auto couple
Trace	Max hold
Span	900 kHz
Attenuation	Auto

5.4 Test procedure

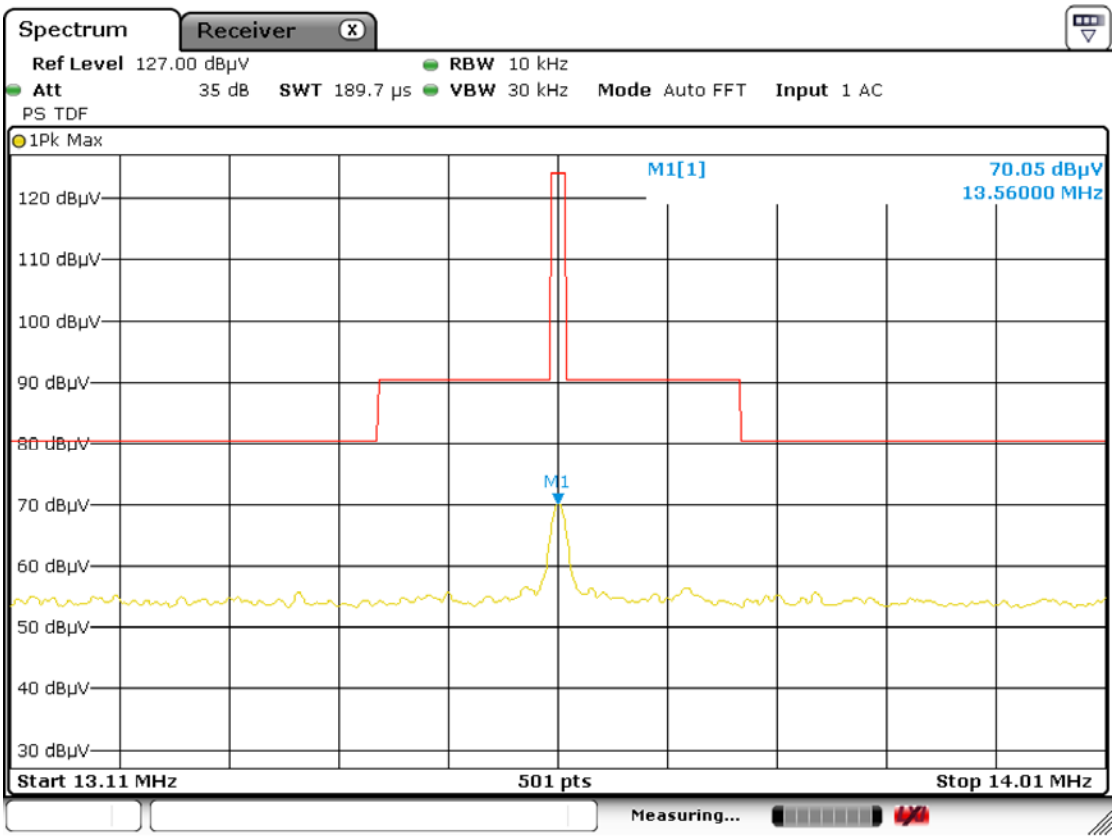
1. Configure the EUT according to ANSI C63.10:2013. The EUT was placed on the top of the turntable 0.8 meter above ground. The center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the companion devices. The turntable was rotated by 360 degree to find the position of the maximum emission level.
3. The height of the receiving antenna is one meter above ground to find the maximum emission field strength of the both plane and coaxial polarity
4. Set the test-receiver system to peak or CISPR quasi-peak detector with specified bandwidth under maximum hold mode.

5.5 Test diagram



5.6 Test results

FCC 15.225 Mask @ NFC 13.56MHz



6. Out of band Radiated Emissions

6.1 Operating environment

Temperature:	25	℃
Relative Humidity:	55	%
Atmospheric Pressure	1008	hPa
Requirement	15.225(d), 15.205, 15.209	

6.2 Limit for emission in restricted frequency bands (Radiated emission measurement)

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement distance (meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	2400/F(kHz)	30
1.705~30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark:

1. In the above table, the tighter limit applies at the band edges.
2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system

6.3 Measuring instrument setting

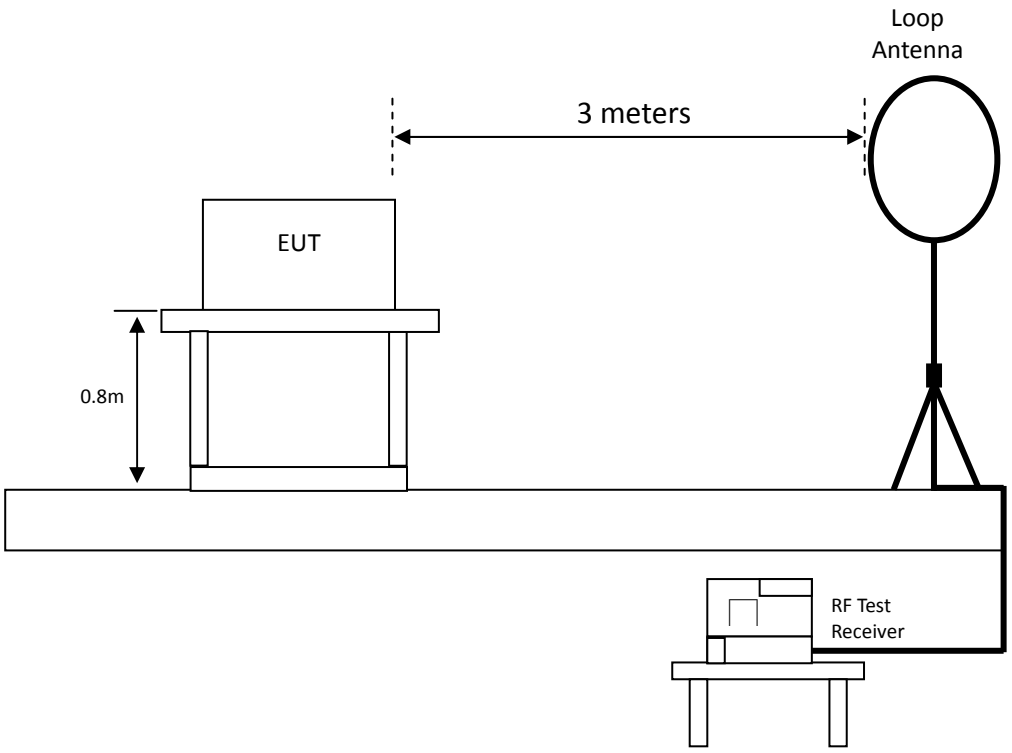
Receiver settings	
Receiver function	**Setting**
Detector	QP
RBW	9-150 kHz ; 200-300 Hz 0.15-30 MHz; 9-10 kHz 30-1000 MHz; 100-120 kHz
VBW	≧3 x RBW
Sweep	Auto couple
Attenuation	Auto

6.4 Test procedure

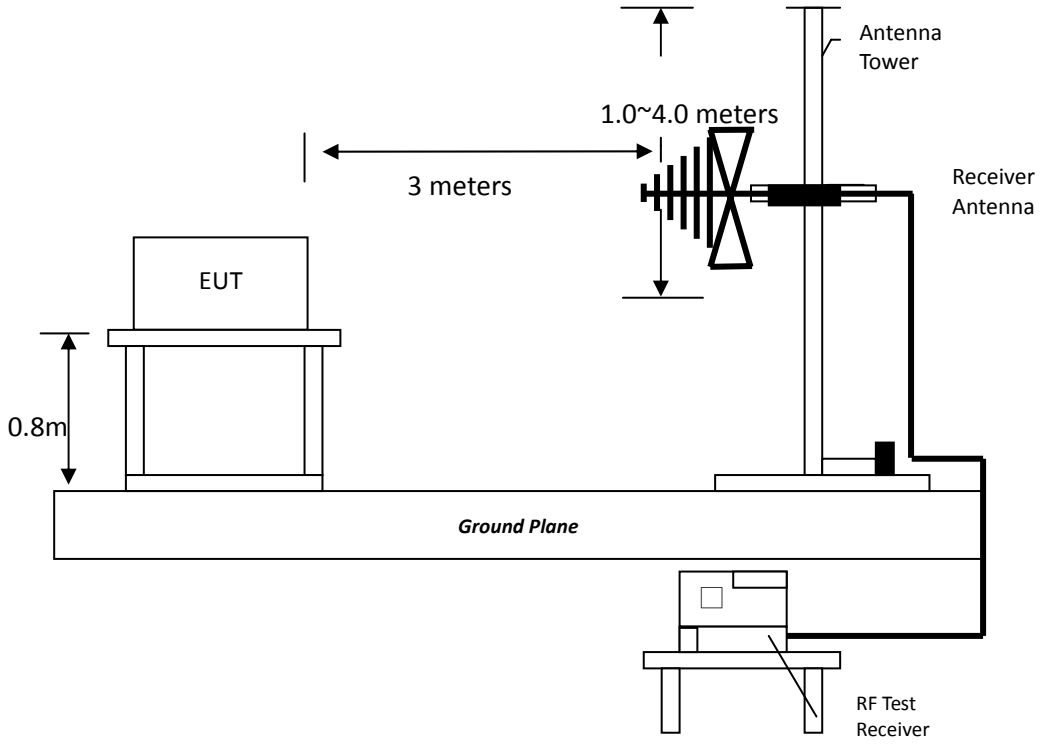
1. Configure the EUT according to ANSI C63.10:2013. The EUT was placed on the top of the turntable 0.8 meter above ground. The center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the companion devices. The turntable was rotated by 360 degree to find the position of the maximum emission level.
3. The height of the receiving antenna was varied between one meter and four meters above ground to find the maximum emission field strength of the both horizontal and vertical polarization
4. If find the frequencies above the limit or below within 3dB, the antenna tower was scan (from 1m to 4m) and then the turntable was rotated to find the maximum reading.
5. Set the test-receiver system to peak or CISPR quasi-peak detector with specified bandwidth under maximum hold mode.
6. If the emissions level of the EUT in peak mode was 3dB lower than the average limit specified then testing will be stopped and peak values of the EUT will be reported. Otherwise, the emissions which do not have 3dB margin will be measured using the quasi-peak method for below 1GHz.
7. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be quasi-peak measured by receiver.

6.5 Test configuration

6.5.1 Radiated emission from 9kHz to 30MHz uses Loop Antenna:



6.5.2 Radiated emission below 1GHz using Bilog Antenna



6.6 Test result

6.6.1 Measurement results: frequency range from 9 kHz to 30 MHz

The test was performed on EUT under continuously transmitting mode.

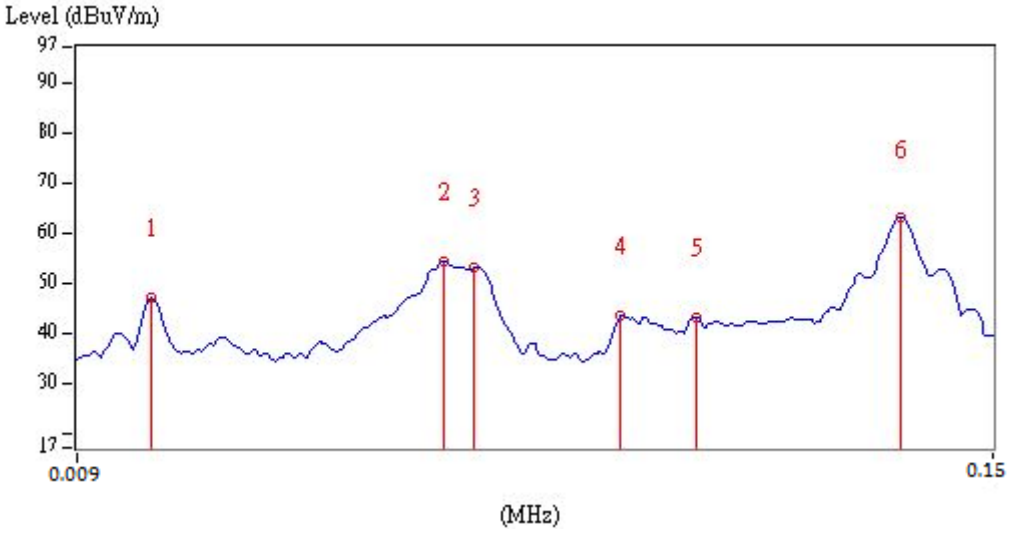
EUT : PLTN-TC1VS
Worst Case : Tx mode

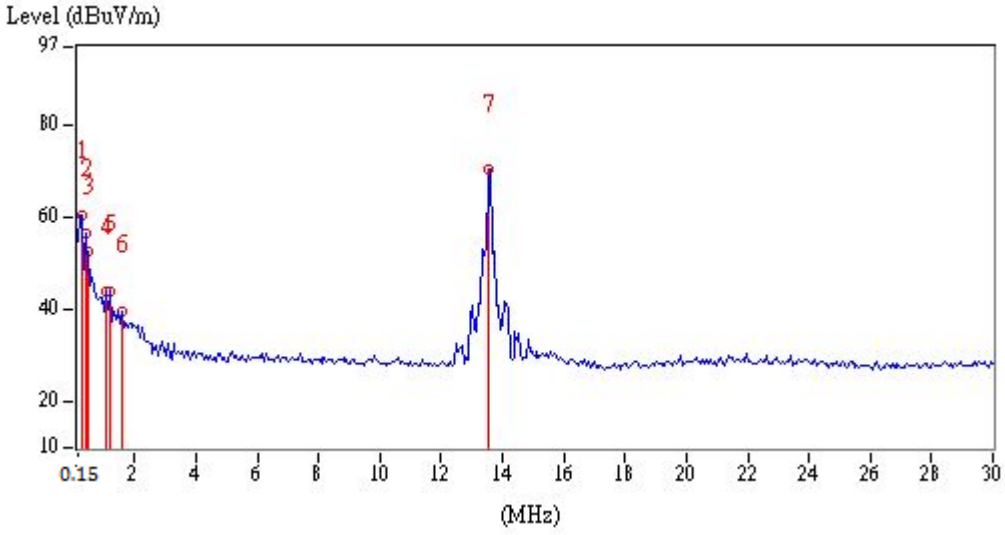
Polarity (circle)	Frequency (MHz)	Detection value	factor (dB/m)	Reading (dBμV)	value (dBμV/m)	Limit @ 3m (dBμV/m)	Tolerance (dB)
H	0.02	PK	19.25	27.76	47.01	121.58	-74.57
H	0.06	PK	18.95	35.29	54.24	112.04	-57.80
H	0.07	PK	18.92	34.13	53.05	110.70	-57.65
H	0.09	QP	18.78	24.78	43.56	108.52	-64.96
H	0.10	PK	18.74	24.38	43.12	107.60	-64.48
H	0.14	PK	18.74	44.20	62.94	104.68	-41.74
H	0.27	PK	18.76	41.59	60.35	98.98	-38.63
H	0.39	QP	18.71	37.66	56.37	95.78	-39.41
H	0.51	QP	18.64	33.79	52.43	73.45	-21.02
H	1.05	QP	18.61	25.30	43.91	67.18	-23.27
H	1.22	QP	18.59	25.35	43.94	65.88	-21.94
H	1.58	QP	18.56	21.22	39.78	63.63	-23.85

Remark:

1. Corr. Factor = Antenna Factor + Cable Loss
2. Corrected Level = Reading + Corr. Factor

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


Level (dBuV/m)
97
90
80
70
60
50
40
30
17
1
2
3
4
5
6
0.009
0.15
(MHz)


Level (dBuV/m)
97
80
60
40
20
10
1
2
3
4
5
6
7
0.15
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
(MHz)

6.6.2 Measurement results: frequencies below 1 GHz

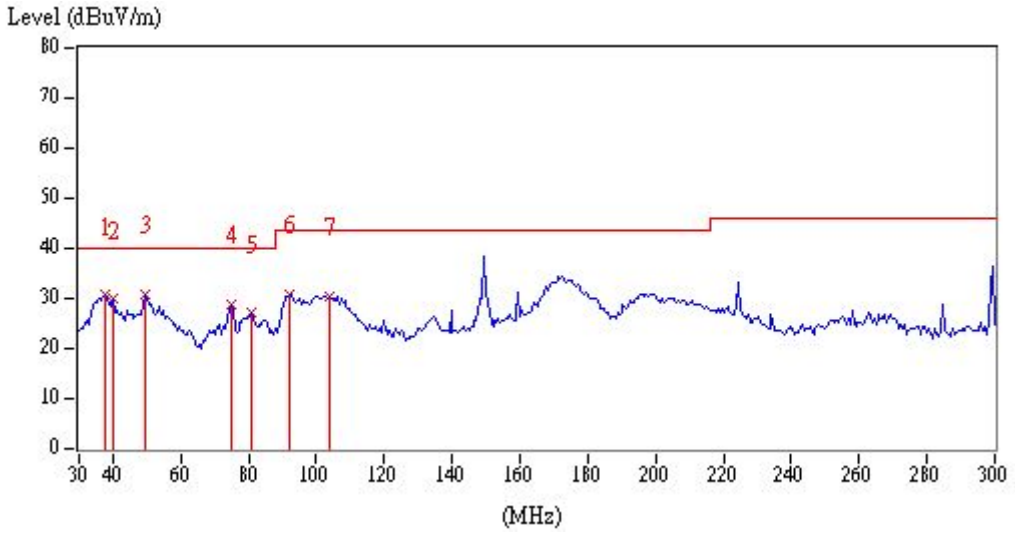
The test was performed on EUT under continuously transmitting mode.

EUT : PLTN-TC1VS
Worst Case : Tx mode

Ant. Pol. (H/V)	Frequency (MHz)	Spectrum Analyzer Detector	Correction Factor (dB/m)	Reading (dBµV)	Corrected Reading (dBµV/m)	Limit @ 3 m (dBµV/m)	Margin (dB)
Vertical	37.56	QP	19.64	11.12	30.76	40.00	-9.24
Vertical	40.26	QP	19.97	10.03	30.00	40.00	-10.00
Vertical	49.44	QP	20.55	10.44	30.99	40.00	-9.01
Vertical	74.82	QP	17.15	11.76	28.91	40.00	-11.09
Vertical	80.76	QP	15.89	11.12	27.01	40.00	-12.99
Vertical	92.10	QP	14.64	16.23	30.87	43.50	-12.63
Vertical	103.98	QP	16.02	14.44	30.46	43.50	-13.04

Remark:

1. Corr. Factor = Antenna Factor + Cable Loss
2. Corrected Level = Reading + Corr. Factor

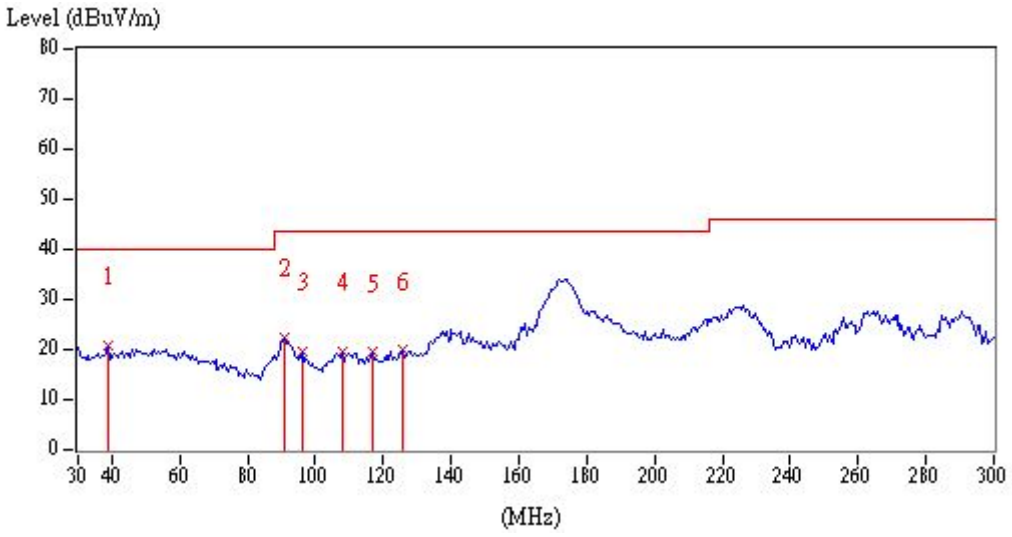


EUT : PLTN-TC1VS
Worst Case : Tx mode

Ant. Pol. (H/V)	Frequency (MHz)	Spectrum Analyzer Detector	Correction Factor (dB/m)	Reading (dBµV)	Corrected Reading (dBµV/m)	Limit @ 3 m (dBµV/m)	Margin (dB)
Horizontal	38.64	QP	19.78	1.10	20.88	40.00	-19.12
Horizontal	91.02	QP	14.55	7.88	22.43	43.50	-21.07
Horizontal	96.42	QP	15.03	4.69	19.72	43.50	-23.78
Horizontal	107.76	QP	16.67	3.05	19.72	43.50	-23.78
Horizontal	116.94	QP	17.56	2.00	19.56	43.50	-23.94
Horizontal	125.58	QP	18.40	1.58	19.98	43.50	-23.52
Horizontal	38.64	QP	19.78	1.10	20.88	40.00	-19.12

Remark:

1. Corr. Factor = Antenna Factor + Cable Loss
2. Corrected Level = Reading + Corr. Factor



7. AC Power Line Conducted Emission

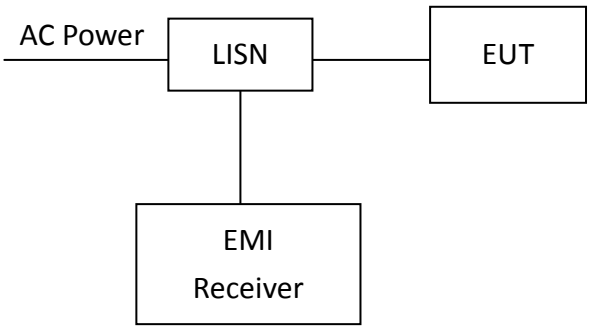
7.1 Measuring instrument setting

Receiver Function	Setting
Detector	QP
Start frequency	0.15MHz
Stop frequency	30MHz
IF bandwidth	9 kHz
Attenuation	10dB

7.2 Test Procedure

Step 1	Configure the EUT according to ANSI C63.10:2013. The EUT or host of EHT has to be placed 0.4 meter far from the conducting wall of the shielding room and at least 80 centimeters from any other grounded conducting surface.
Step 2	Connect EUT or host of EUT to the power mains through a line impedance stabilization network.
Step 3	All the companion devices are connected to the other LISN. The LISN should provide 50Uh/50ohms coupling impedance.
Step 4	The frequency range from 150 kHz to 30MHz was searched.
Step 5	Set the test-receiver system to peak detector and specified bandwidth with maximum hold mode.
Step 6	The measurement has to be done between each power line and ground at the power terminal.

7.3 Test Diagram



7.4 Limit

Frequency (MHz)	Conducted Limit (dBuV)	
	Q.P.	Ave.
0.15~0.50	66 – 56	56 – 46
0.50~5.00	56	46
5.00~30.0	60	50

7.5 Operating Environment Condition

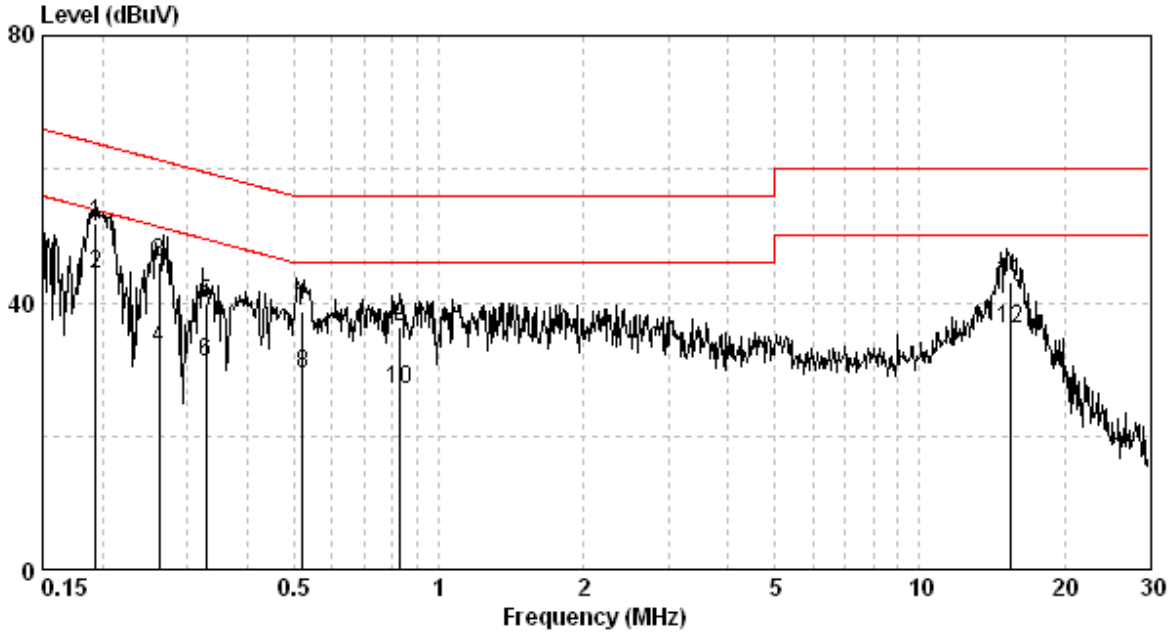
Temperature (℃) :	26
Relative Humidity (%) :	68
Atmospheric Pressure (hPa) :	1010
Test Date :	2018/04/27

7.6 Test Results

Phase: Live Line
Model No.: PLTN-TC1VS
Test Condition: Tx mode

Frequency (MHz)	Corr. Factor (dB)	Reading QP (dBuV)	Level QP (dBuV)	Limit QP (dBuV)	Reading AV (dBuV)	Level AV (dBuV)	Limit AV (dBuV)	Margin (dB) QP	Margin (dB) AV
0.193	9.34	42.65	51.99	63.89	34.96	44.30	53.89	-11.90	-9.59
0.262	9.35	36.70	46.05	61.38	23.87	33.22	51.38	-15.33	-18.16
0.329	9.36	30.55	39.90	59.49	21.75	31.11	49.49	-19.58	-18.38
0.521	9.38	29.39	38.77	56.00	19.83	29.21	46.00	-17.23	-16.79
0.830	9.40	26.95	36.35	56.00	17.67	27.07	46.00	-19.65	-18.93
15.470	9.54	33.51	43.05	60.00	26.59	36.13	50.00	-16.95	-13.87

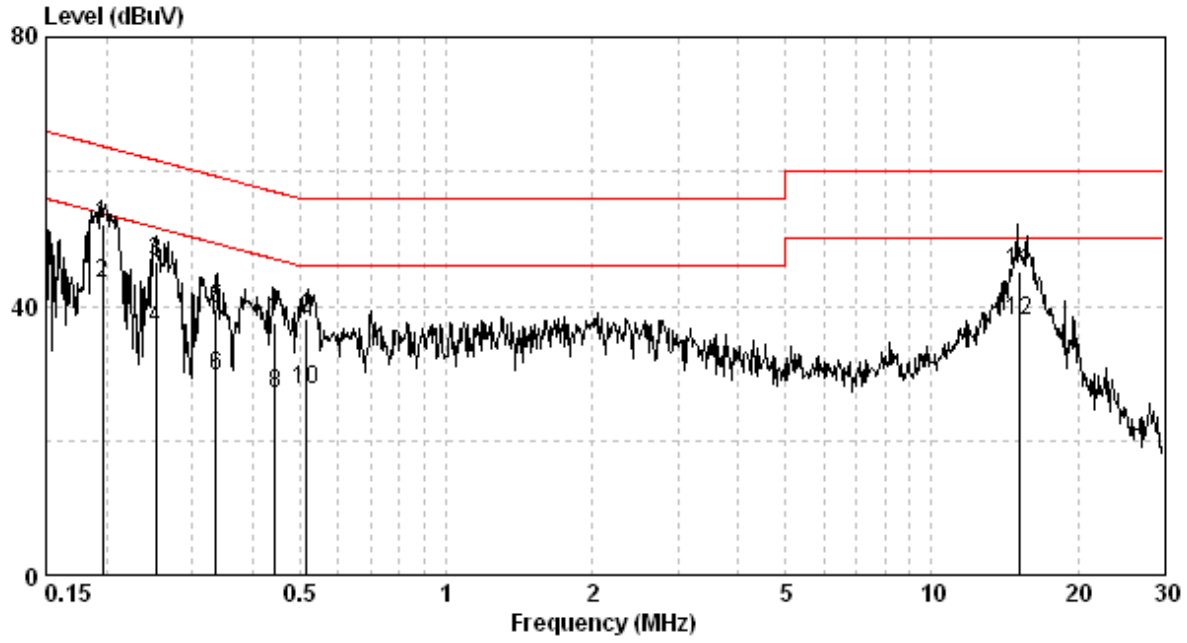
Remark:
1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Level (dBuV) = Corr. Factor (dB) + Reading (dBuV)
3. Margin (dB) = Level (dBuV) – Limit (dBuV)



Phase: Neutral Line
Model No.: PLTN-TC1VS
Test Condition: Tx mode

Frequency (MHz)	Corr. Factor (dB)	Reading QP (dBuV)	Level QP (dBuV)	Limit QP (dBuV)	Reading AV (dBuV)	Level AV (dBuV)	Limit AV (dBuV)	Margin (dB) QP	Margin (dB) AV
0.197	9.60	42.49	52.09	63.76	33.75	43.35	53.76	-11.66	-10.41
0.252	9.61	37.02	46.63	61.69	26.88	36.48	51.69	-15.06	-15.20
0.336	9.61	30.09	39.70	59.31	20.03	29.64	49.31	-19.61	-19.67
0.444	9.62	27.86	37.48	56.98	17.23	26.85	46.98	-19.50	-20.13
0.516	9.62	28.52	38.15	56.00	17.89	27.51	46.00	-17.85	-18.49
15.146	9.85	35.19	45.04	60.00	27.81	37.66	50.00	-14.96	-12.34

Remark:
1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Level (dBuV) = Corr. Factor (dB) + Reading (dBuV)
3. Margin (dB) = Level (dBuV) – Limit (dBuV)



Appendix A: Test equipment list

Test Equipment/ Test site	Brand	Model No.	Serial No.	Calibration Date	Next Calibration Date
ESCI EMI Test Receiver	Rohde & Schwarz	ESCI	100018	2017/11/21	2018/11/20
Spectrum Analyzer	Rohde & Schwarz	FSP30	100245	2018/02/23	2019/02/22
Horn Antenna (1-18G)	SHWARZBECK	BBHA 9120 D	9120D-456	2018/01/23	2019/01/22
Horn Antenna (14-42G)	SHWARZBECK	BBHA 9170	BBHA9170159	2017/09/04	2020/09/02
Broadband Antenna	SHWARZBECK	VULB 9168	9168-172	2017/04/05	2018/04/04
Broadband Antenna	SHWARZBECK	VULB 9168	9168-172	2018/04/23	2019/04/22
Pre-Amplifier	EMC Co.	EMC12635SE	980205	2017/11/28	2018/11/27
Pre-Amplifier	MITEQ	JS4-26004000--27 -8A	828825	2017/08/23	2018/08/22
Power Meter	Anritsu	ML2495A	0844001	2017/10/18	2018/10/17
Power Sensor	Anritsu	MA2411B	0738452	2017/05/23	2018/05/22
Signal Analyzer	Agilent	N9030A	MY51380492	2017/08/29	2018/08/28
966-2(A) Cable 9kHz~26.5GHz	SUHNER	SMA / EX 100	N/A	2017/08/15	2018/08/14
966-2(B) Cable 9kHz~26.5GHz	SUHNER	SUCOFLEX 104P	CB0005	2017/08/15	2018/08/14
RF Cable 9kHz~26.5GHz	SUHNER	SUCOFLEX 102	CB0006	2017/05/04	2018/05/03

Note: No Calibration Required (NCR).

Test Equipment/ Test site	Brand	Model No.	Serial No.	Calibration Date	Next Calibration Date
966-2_3m Semi-Anechoic Chamber	966_2	CEM-966_2	N/A	2017/03/29	2018/03/28
966-2_3m Semi-Anechoic Chamber	966_2	CEM-966_2	N/A	2018/03/28	2019/03/27
High Pass Filter	Wainwright	WHKX3.0/ 18G-12SS	N/A	2017/06/02	2018/06/01
Active Loop Antenna	SCHWARZBECK MESS-ELEKTRONIC	FMZB1519	1519-067	2017/03/30	2018/03/29
Active Loop Antenna	SCHWARZBECK MESS-ELEKTRONIC	FMZB1519	1519-067	2018/04/17	2019/04/16
EMI Receiver	R&S	ESCI	100059	2017/11/13	2018/11/12
Two-Line V-Network	R&S	ENV216	101159	2017/06/03	2018/06/02
Two-Line -V-Network	R&S	ESH3-Z5	825562/003	2017/09/04	2018/09/03
CON-1 Shielded Room	N/A	N/A	N/A	NCR	NCR
CON-1 Cable	SUHNER	SUCOFLEX-104	26438414	2018/05/03	2019/05/02
Test software	Audix	e3	4.20040112L	NCR	NCR

Note: No Calibration Required (NCR).

Appendix B: Measurement Uncertainty

This uncertainty represents an expanded uncertainty expressed at approximately the 95 % confidence level using a coverage factor of *k*=2.

Item	Uncertainty
Vertically polarized radiated disturbances from 30MHz~1GHz in a semi-anechoic chamber at a distance of 3m	5.14 dB
Horizontally polarized radiated disturbances from 30MHz~1GHz in a semi-anechoic chamber at a distance of 3m	5.22 dB
Vertically polarized Radiated disturbances from 1GHz~18GHz in a semi-anechoic chamber at a distance of 3m	3.64 dB
Horizontally polarized Radiated disturbances from 1GHz~18GHz in a semi-anechoic chamber at a distance of 3m	3.64 dB
Vertically polarized Radiated disturbances from 18GHz~40GHz in a semi-anechoic chamber at a distance of 3m	2.68 dB
Horizontally polarized Radiated disturbances from 18GHz~40GHz in a semi-anechoic chamber at a distance of 3m	2.68 dB
Conducted Output power	0.86 dB
Radiated electromagnetic disturbances in the frequency range from 9kHz to 30MHz	3.54 dB
Conducted disturbance measurements at a mains port from 9 kHz to 30 MHz using a 50 Ω/50 µH +5Ω artificial mains network (AMN)	2.48 dB