Peloton Interactive Inc.

TEST REPORT

REPORT NUMBER
180300422TWN-001

ISSUE DATE

Jul. 09, 2018

PAGES
32

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 15.249 & ANSI C63.10 2013**
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

Prepared and Checked by:

Durant Wei

Durant Wei
Engineer

Approved by:

Maxy. You.

Maxy You
Engineer

Revision History

Report No.	Issue Date	Revision Summary
180300422TWN-001	Jul. 09, 2018	Original report

Table of Contents

Summary of Tests

Test	Reference	Results
20dB Bandwidth	15.215(c)	Pass
Radiated Emission test	15.249(c), 15.209	Pass
Emission on the Band Edge	15.249(d)	Pass
Conducted Emission of AC Power	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:	79 channels
Channel Number:	2402+1k MHz, k＝0~78
Access scheme:	GFSK, π/4DQSP, 8DPSK
Rated Power:	DC 24V from adapter
Power Cord:	N/A
Sample receiving date:	Apr. 10, 2018
Sample condition:	Workable
Test Date(s):	Apr. 10, 2018 ~ Apr. 27, 2018

1.2 Antenna description

Antenna Gain : 2.36 dBi
Antenna Type : PIFA 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

2. Test specifications

2.1 Test standard

The EUT was performed according to the procedures in FCC Part 15 Subpart C Paragraph 15.249 for non-spread spectrum devices.

The test of radiated measurements according to FCC Part15 Section 15.33(a) had been conducted and the field strength of this frequency band were all meet limit requirement, thus we evaluate the EUT pass the specified test.

2.2 Operation mode

TX mode: EUT use 「AMPAK RFTestTool.apk」 entering test mode , and Touchscreen to change different channel.

3. 20dB Bandwidth test

3.1 Operating environment

Temperature:	25	℃
Relative Humidity:	50	%
Atmospheric Pressure:	1008	hPa

3.2 Test setup & procedure

Step 1: The 20dB bandwidth was measured using a 50 ohm spectrum analyzer
Step 2: The span range for the SA display shall be between two times and five times the OBW.
Step 3: The nominal IF filter bandwidth (3 dB RBW) should be approximately 1 % to 5 % of the OBW, unless otherwise specified, depending on the applicable requirement.
Step 4: The test was performed at 1 channel. The maximum 20dB modulation bandwidth is in the following Table.

3.3 Measured data of modulated bandwidth test results

Single TX

Mode	Frequency (MHz)	20dB Occupied Bandwidth (MHz)
GFSK	2402	1.0073
	2441	1.0095
	2480	1.0072
π/4-DQPSK	2402	1.3365
	2441	1.3322
	2480	1.3268
8DQPSK	2402	1.3316
	2441	1.3307
	2480	1.3298

Please see the plot below.

20dB Bandwidth @ GFSK_Channel 0

20dB Bandwidth @ GFSK_Channel 39

20dB Bandwidth @ GFSK_Channel 78

20dB Bandwidth @ π/4-DQPSK_Channel 0

20dB Bandwidth @ π/4-DQPSK_Channel 39

20dB Bandwidth @ π/4-DQPSK_Channel 78

20dB Bandwidth @ 8DQPSK_Channel 0

20dB Bandwidth @ 8DQPSK_Channel 39

20dB Bandwidth @ 8DQPSK_Channel 78

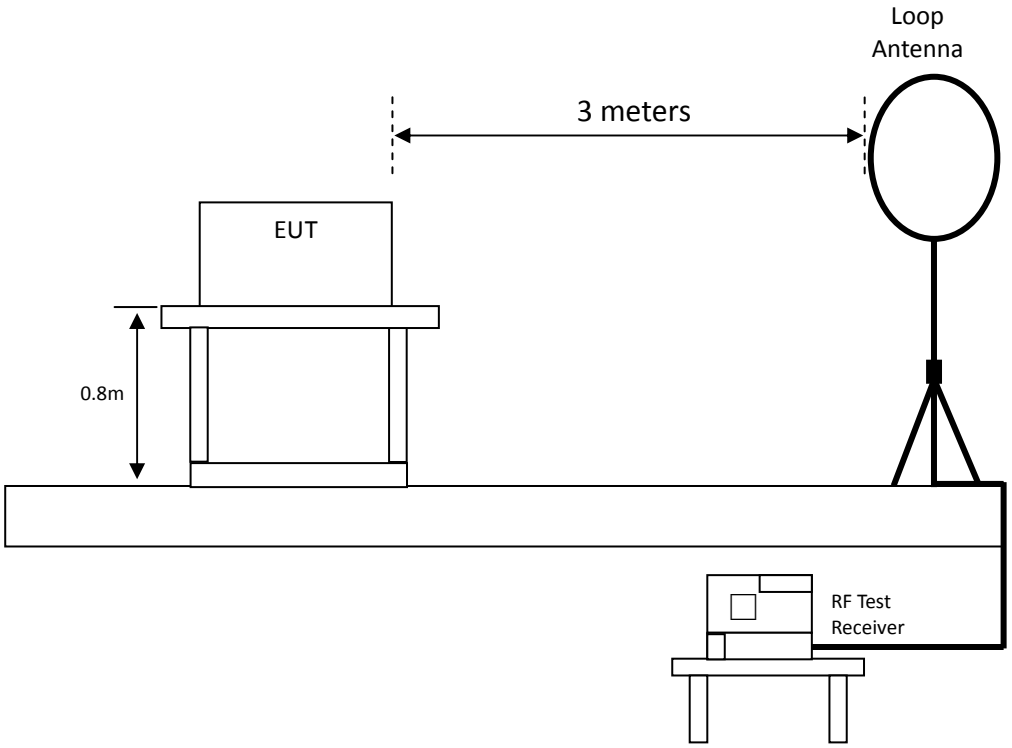
4. Radiated emission test FCC 15.249 (C)

4.1 Operating environment

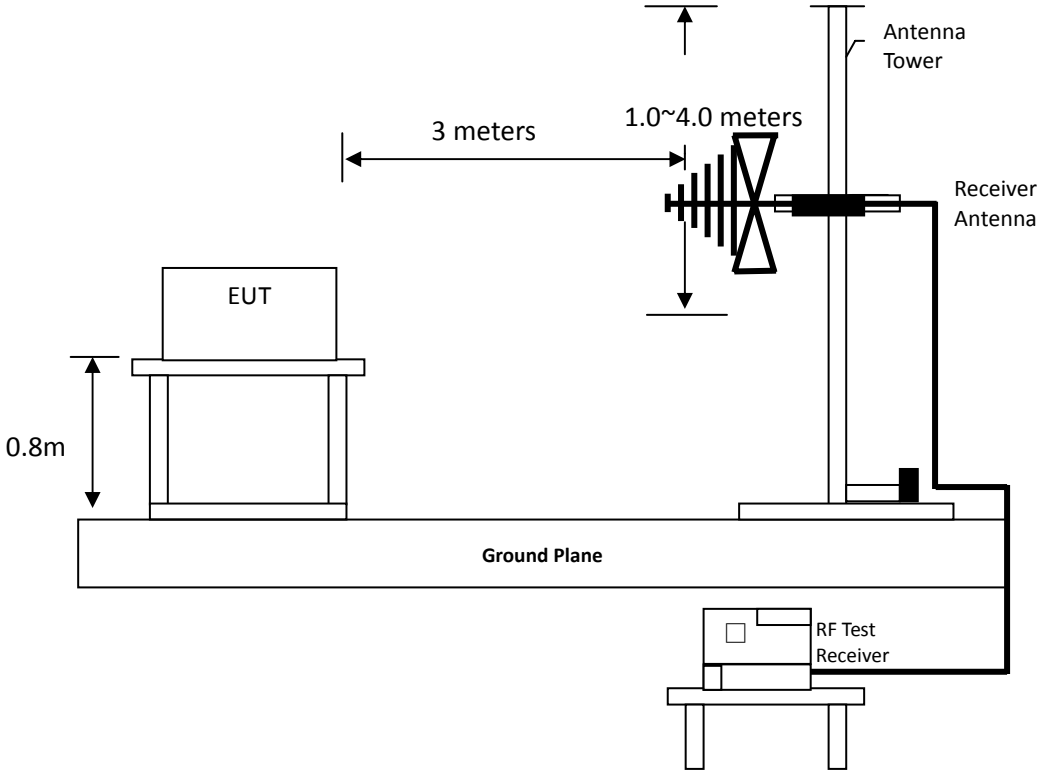
Temperature:	25	℃
Relative Humidity:	50	%
Atmospheric Pressure:	1008	hPa

4.2 Test setup & procedure

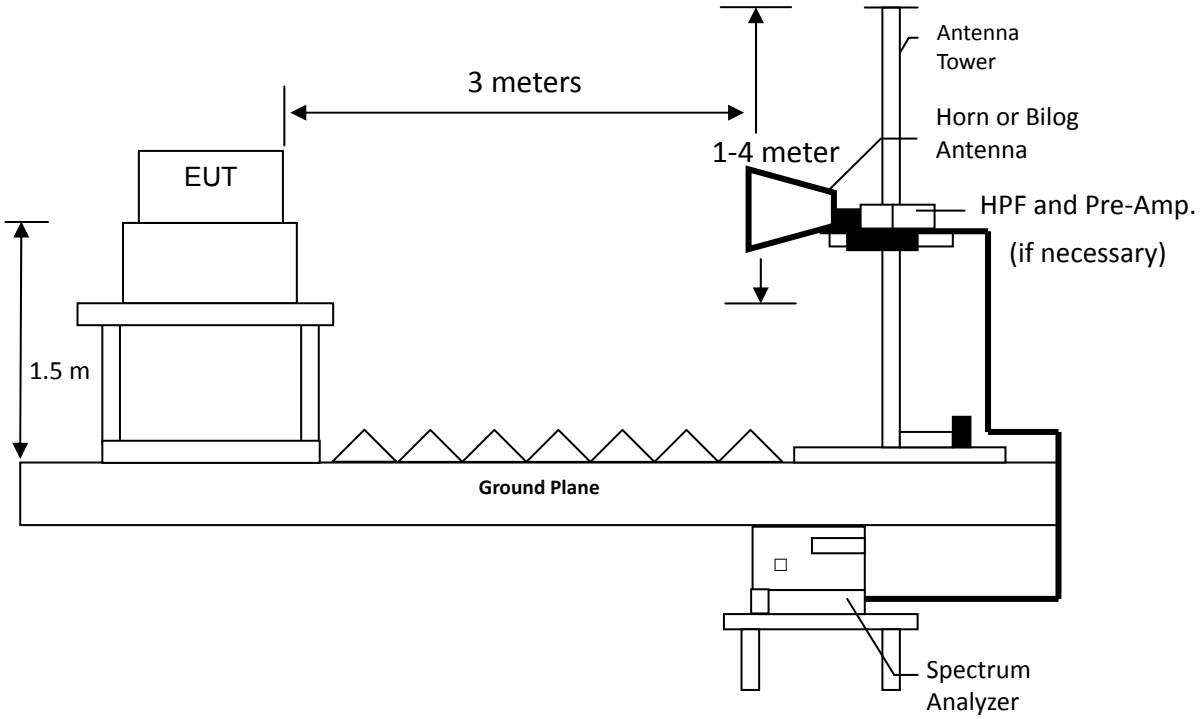
Radiated emission from 9kHz to 30MHz uses Loop Antenna:



Radiated emission below 1GHz using Bilog Antenna



Radiated emission above 1GHz using Horn Antenna



Radiated emissions were invested cover the frequency range from 30MHz to 1000MHz using a receiver RBW of 120kHz record QP reading, and the frequency over 1GHz using a spectrum analyzer RBW of 1MHz and 10Hz VBW record Average reading. (15.209 paragraph), the Peak reading (1 MHz RBW/ 3 MHz VBW) recorded also on the report.
The EUT for testing is arranged on a turntable. If some peripherals apply to the EUT, the peripherals will be connected to EUT and the whole system. During the test, all cables were arranged to produce worst-case emissions. The signal is maximized through rotation. The height of antenna and polarization is changing constantly for exploring for maximum signal level. The height of antenna can be up to 4 meters and down to 1 meter.

The measurement for radiated emission will be done at the distance of three meters unless the signal level is too low to measure at that distance. In the case of the reading under noise floor, a pre-amplifier is used and/or the test is conducted at a closer distance. And then all readings are extrapolated back to the equivalent three meter reading using inverse scaling with distance.

4.3 Emission limit

4.3.1 Fundamental and harmonics emission limits

Frequency (MHz)	Field Strength of Fundamental		Field Strength of Harmonics	
	(mV/m@3m)	(dBuV/m@3m)	(uV/m@3m)	(dBuV/m@3m)
2400-2483.5	50	94	500	54

4.3.2 General radiated emission limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

Frequency MHz	15.209 Limits (dBμV/m@3m)
30-88	40
88-216	43.5
216-960	46
Above 960	54

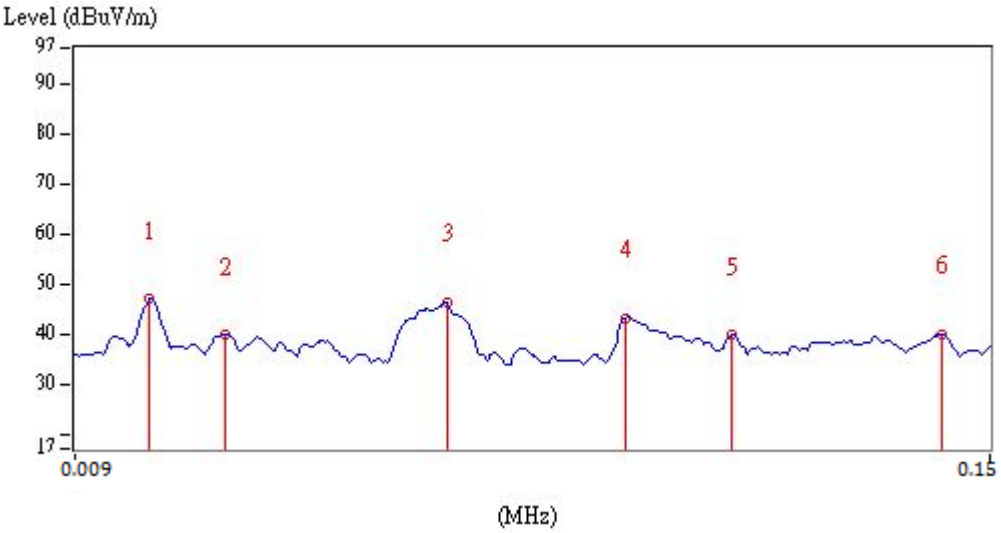
Remark:
1. In the above table, the tighter limit applies at the band edges.
2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system

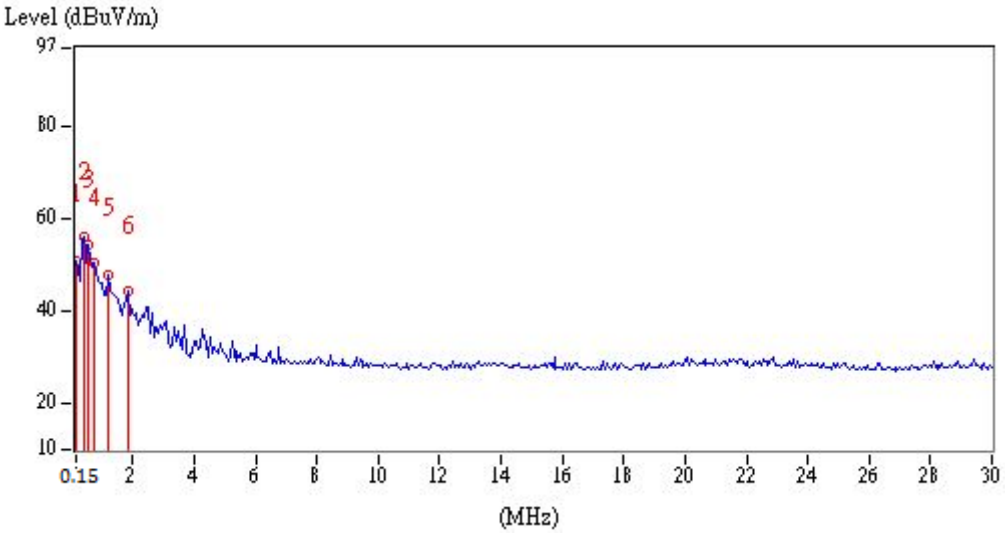
4.4 Radiated spurious emission test data

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

EUT: PLTN-TC1VS

Polarity (circle)	Frequency (MHz)	Detection value	Factor (dB/m)	Reading (dBμV)	Value (dBμV/m)	Limit @ 3m (dBμV/m)	Tolerance (dB)
Plane	0.02	PK	19.26	27.68	46.94	121.58	-74.64
Plane	0.03	PK	19.49	20.28	39.77	118.06	-78.29
Plane	0.07	PK	18.94	27.28	46.22	110.70	-64.48
Plane	0.09	QP	18.78	24.41	43.19	108.52	-65.33
Plane	0.11	PK	18.74	21.05	39.79	106.78	-66.99
Plane	0.14	PK	18.74	21.25	39.99	104.68	-64.69
Plane	0.15	PK	18.73	32.16	50.89	104.08	-53.19
Plane	0.39	PK	18.71	37.37	56.08	95.78	-39.70
Plane	0.57	PK	18.63	35.68	54.31	72.49	-18.18
Plane	0.75	QP	18.61	31.79	50.40	70.10	-19.70
Plane	1.22	QP	18.59	29.36	47.95	65.88	-17.93
Plane	1.82	QP	18.54	25.77	44.31	69.54	-25.23


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
0.15
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
(MHz)

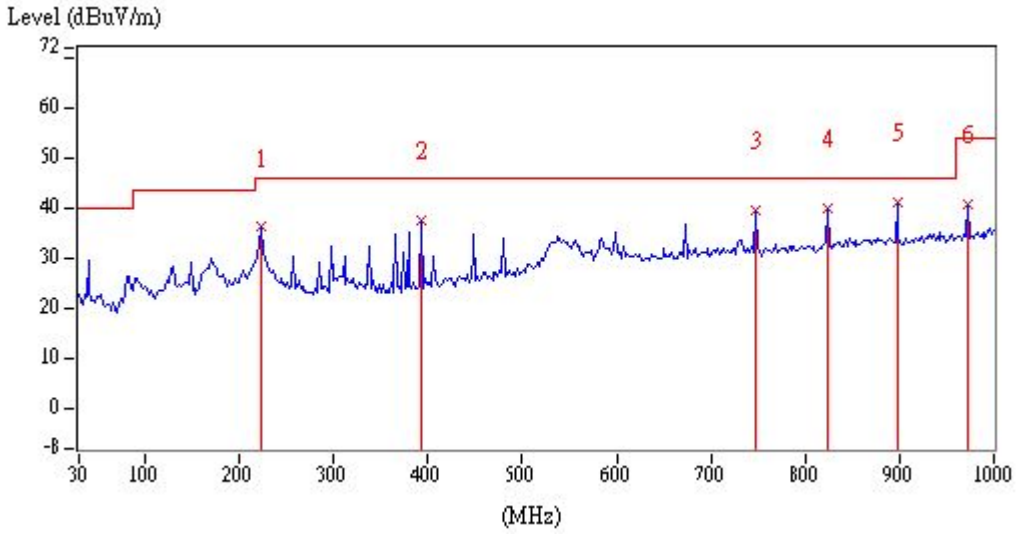
4.4.2 Measurement results: frequencies equal to or less than 1 GHz

The test was performed on EUT under GFSK, π/4DQSP, & 8-DPSK continuously transmitting mode. Channel 0, 39, 78 were verified. The worst case occurred at 8-DPSK TX Channel 0

EUT: PLTN-TC1VS
Worst case: 8-DPSK TX Channel 0

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	224.00	QP	18.85	17.43	36.28	46.00	-9.72
Vertical	392.78	QP	24.15	13.50	37.65	46.00	-8.35
Vertical	747.80	QP	31.55	8.15	39.70	46.00	-6.30
Vertical	823.46	QP	32.40	7.73	40.13	46.00	-5.87
Vertical	897.18	QP	33.47	7.89	41.36	46.00	-4.64
Vertical	972.84	QP	34.47	6.43	40.90	54.00	-13.10

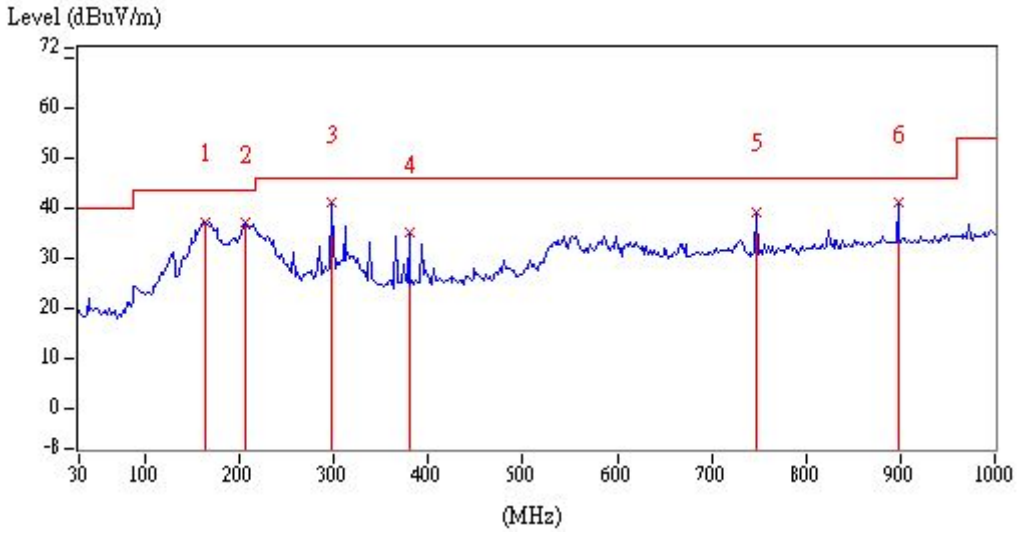
Remark: Corr. Factor = Antenna Factor + Cable Loss



EUT: PLTN-TC1VS
Worst case: 8-DPSK TX Channel 0

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	163.86	QP	20.64	16.63	37.27	43.50	-6.23
Horizontal	206.54	QP	18.26	18.79	37.05	43.50	-6.45
Horizontal	297.72	QP	21.70	19.41	41.11	46.00	-4.89
Horizontal	379.20	QP	23.79	11.32	35.11	46.00	-10.89
Horizontal	747.80	QP	31.55	7.69	39.24	46.00	-6.76
Horizontal	897.18	QP	33.47	7.70	41.17	46.00	-4.83

Remark: Corr. Factor = Antenna Factor + Cable Loss



4.4.3 Measurement results: frequency above 1GHz

EUT: PLTN-TC1VS

Mode	Frequency (MHz)	Spectrum Analyzer Detector	Ant. Pol. (H/V)	Correction Factor (dB/m)	Reading (dBµV)	Corrected Reading (dBµV/m)	Limit @ 3 m (dBµV/m)	Margin (dB)
GFSK_Ch0	3360	PK	V	1.75	39.79	41.54	74.00	-32.46
	4804	PK	V	5.68	33.44	39.12	74.00	-34.88
	3360	PK	H	1.75	43.79	45.54	74.00	-28.46
	4035	PK	H	3.60	35.99	39.59	74.00	-34.41
GFSK_Ch39	3360	PK	V	1.75	44.40	46.15	74.00	-27.85
	3585	PK	V	2.06	40.91	42.97	74.00	-31.03
	3960	PK	V	3.39	36.36	39.75	74.00	-34.25
	3360	PK	H	1.75	41.62	43.37	74.00	-30.63
	3585	PK	H	2.06	40.62	42.68	74.00	-31.32
	4035	PK	H	3.60	37.00	40.60	74.00	-33.40
GFSK_Ch78	3360	PK	V	1.75	45.62	47.37	74.00	-26.63
	3960	PK	V	3.39	36.20	39.59	74.00	-34.41
	4410	PK	V	4.25	36.00	40.25	74.00	-33.75
	3585	PK	H	2.06	41.16	43.22	74.00	-30.78
	3810	PK	H	2.86	37.46	40.32	74.00	-33.68
	4035	PK	H	3.60	38.14	41.74	74.00	-32.26
π/4-DQPSK_Ch0	3360	PK	V	1.75	45.99	47.74	74.00	-26.26
	3960	PK	V	3.39	36.58	39.97	74.00	-34.03
	4335	PK	V	4.12	35.66	39.78	74.00	-34.22
	3585	PK	H	2.06	41.78	43.84	74.00	-30.16
	4035	PK	H	3.60	36.61	40.21	74.00	-33.79
π/4-DQPSK_Ch39	3585	PK	V	2.06	39.16	41.22	74.00	-32.78
	4035	PK	V	3.60	35.81	39.41	74.00	-34.59
	3435	PK	H	1.76	43.24	45.00	74.00	-29.00
	4035	PK	H	3.60	38.83	42.43	74.00	-31.57
π/4-DQPSK_Ch78	3510	PK	V	1.80	41.51	43.31	74.00	-30.69
	4035	PK	V	3.60	37.67	41.27	74.00	-32.73
	3585	PK	H	2.06	39.48	41.54	74.00	-32.46
	4035	PK	H	3.60	35.64	39.24	74.00	-34.76

Remark: Correction Factor = Antenna Factor + Cable Loss + High Pass Filter Loss - Pre_Amplifier Gain

Mode	Frequency (MHz)	Spectrum Analyzer Detector	Ant. Pol. (H/V)	Correction Factor (dB/m)	Reading (dBµV)	Corrected Reading (dBµV/m)	Limit @ 3 m (dBµV/m)	Margin (dB)
8DPSK_Ch0	3360	PK	V	1.75	40.08	41.83	74.00	-32.17
	4560	PK	V	4.66	36.27	40.93	74.00	-33.07
	3360	PK	H	1.75	43.00	44.75	74.00	-29.25
	3585	PK	H	2.06	40.25	42.31	74.00	-31.69
	4035	PK	H	3.60	36.54	40.14	74.00	-33.86
8DPSK_Ch39	3360	PK	V	1.75	42.34	44.09	74.00	-29.91
	4800	PK	V	5.66	33.48	39.14	74.00	-34.86
	3060	PK	H	1.72	40.20	41.92	74.00	-32.08
	4800	PK	H	5.66	34.06	39.72	74.00	-34.28
8DPSK_Ch78	3435	PK	V	1.76	40.16	41.92	74.00	-32.08
	4800	PK	V	5.66	34.25	39.91	74.00	-34.09
	3585	PK	H	2.06	40.50	42.56	74.00	-31.44
	3810	PK	H	2.86	37.20	40.06	74.00	-33.94

Remark: Correction Factor = Antenna Factor + Cable Loss + High Pass Filter Loss - Pre_Amplifier Gain

4.4.4 Measurement results: Fundamental

EUT: PLTN-TC1VS

Mode	Frequency (MHz)	Spectrum Analyzer Detector	Ant. Pol. (H/V)	Correction Factor (dB/m)	Reading (dBμV)	Corrected Reading (dBμV/m)	Limit @ 3 m (dBμV/m)	Margin (dB)
GFSK_Ch0	2402	PK	V	35.35	42.70	78.05	114.00	-35.95
		PK	H	35.35	42.37	77.72	114.00	-36.28
GFSK_Ch39	2441	PK	V	35.29	40.58	75.87	114.00	-38.13
		PK	H	35.29	42.47	77.76	114.00	-36.24
GFSK_Ch78	2480	PK	V	35.23	35.12	70.35	114.00	-43.65
		PK	H	35.23	37.42	72.65	114.00	-41.35
π/4-DQPSK_Ch0	2402	PK	V	35.35	41.88	77.23	114.00	-36.77
		PK	H	35.35	42.42	77.77	114.00	-36.23
π/4-DQPSK_Ch39	2441	PK	V	35.29	39.10	74.39	114.00	-39.61
		PK	H	35.29	40.32	75.61	114.00	-38.39
π/4-DQPSK_Ch78	2480	PK	V	35.23	38.35	73.58	114.00	-40.42
		PK	H	35.23	39.22	74.45	114.00	-39.55
8DPSK_Ch0	2402	PK	V	35.35	43.63	78.98	114.00	-35.02
		PK	H	35.35	42.93	78.28	114.00	-35.72
8DPSK_Ch39	2441	PK	V	35.29	40.64	75.93	114.00	-38.07
		PK	H	35.29	41.78	77.07	114.00	-36.93
8DPSK_Ch78	2480	PK	V	35.23	38.07	73.30	114.00	-40.70
		PK	H	35.23	39.40	74.63	114.00	-39.37

Remark: Correction Factor = Antenna Factor + Cable Loss

5. Radiated emission on the band edge FCC 15.249(d)

5.1 Operating environment

Temperature:	25	℃
Relative Humidity:	50	%
Atmospheric Pressure:	1008	hPa

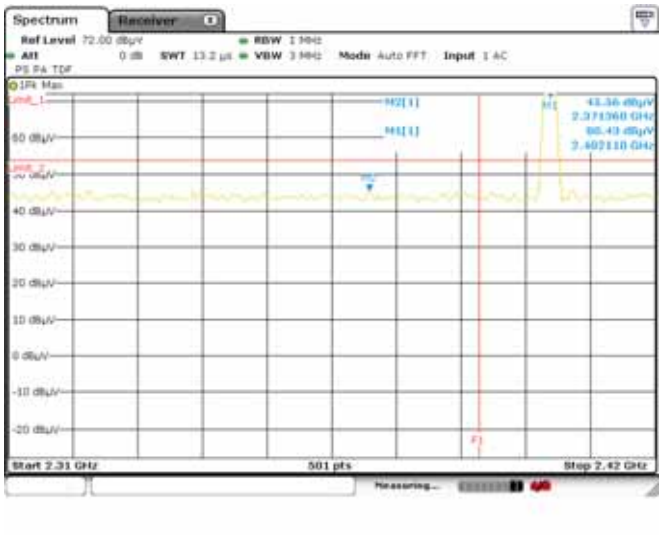
5.2 Radiated emission on the band edge test data

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental (2470MHz) or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

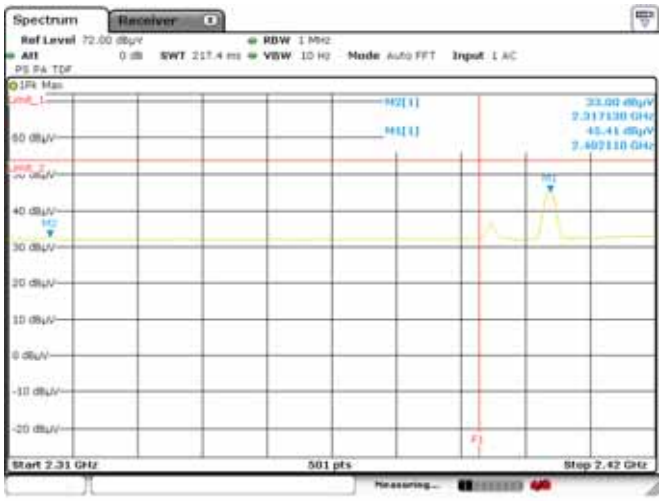
Mode	Frequency (MHz)	Spectrum Analyzer Detector	Ant. Pol. (H/V)	Correction Factor (dB/m)	Reading (dBμV)	Corrected Reading (dBμV/m)	Limit @ 3 m (dBμV/m)	Margin (dB)	Restricted band (MHz)
GFSK	2371.36	PK	H	35.39	10.17	45.56	74	-28.44	2310~2390
	2317.13	AV	H	35.47	-2.47	33.00	54	-21.00	
	2483.50	PK	H	35.23	16.94	52.17	74	-21.83	2483.5~2500
	2487.34	AV	H	35.22	-2.89	32.33	54	-21.67	
π/4-DQPSK	2315.81	PK	H	35.47	11.01	46.48	74	-27.52	2310~2390
	2317.13	AV	H	35.47	-2.37	33.10	54	-20.90	
	2491.94	PK	H	35.21	10.67	45.88	74	-28.12	2483.5~2500
	2487.30	AV	H	35.22	-2.89	32.33	54	-21.67	
8DQPSK	2338.42	PK	H	35.44	11.08	46.52	74	-27.48	2310~2390
	2317.13	AV	H	35.47	-2.20	33.27	54	-20.73	
	2490.79	PK	H	35.21	11.30	46.51	74	-27.49	2483.5~2500
	2493.14	AV	H	35.21	-2.90	32.31	54	-21.69	

Remark: Correction Factor = Antenna Factor + Cable Loss

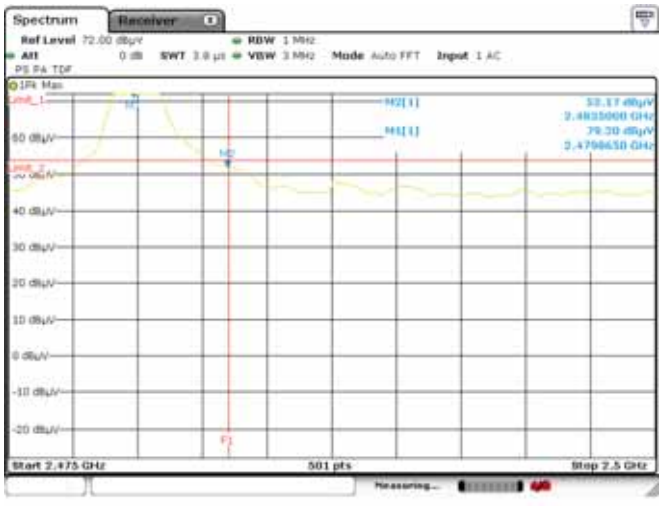
Bandedge @ mode GFSK Ch0 Peak



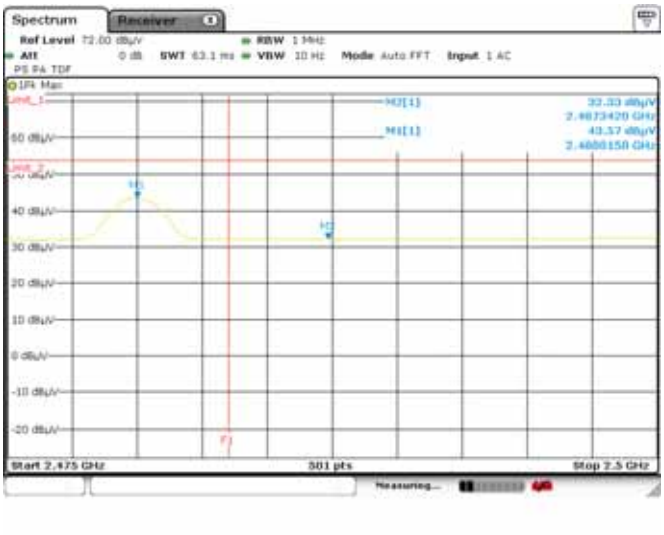
Bandedge @ mode GFSK Ch0 Average



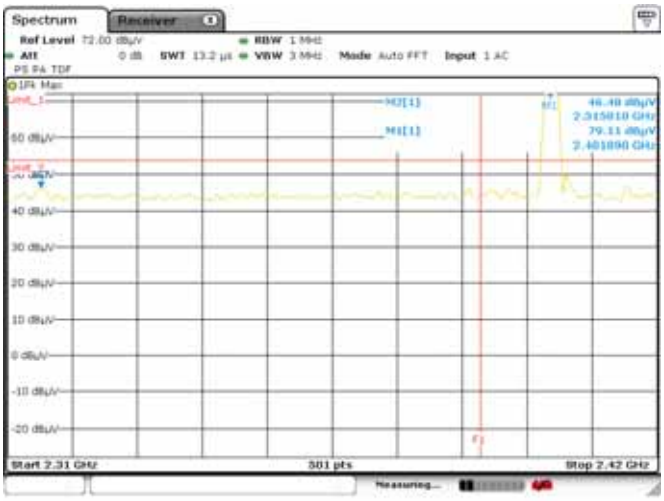
Bandedge @ mode GFSK Ch78 Peak



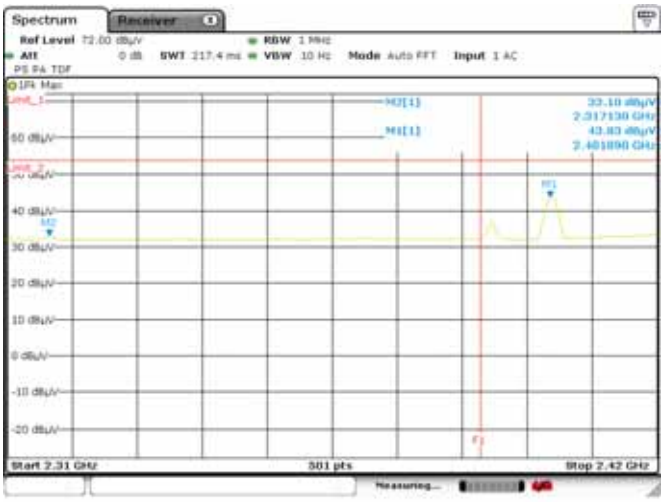
Bandedge @ mode GFSK Ch78 Average



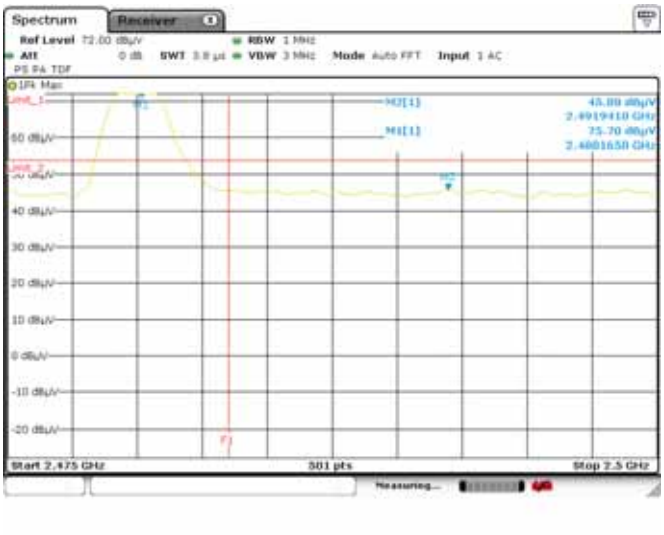
Bandedge @ mode π/4-DQPSK Ch0 Peak



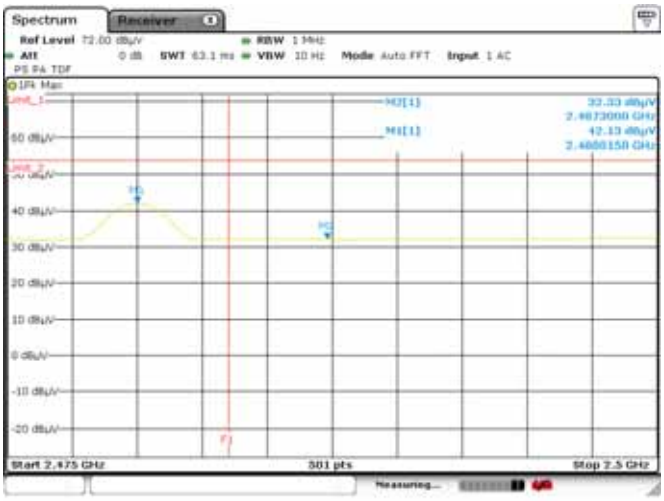
Bandedge @ mode π/4-DQPSK Ch0 Average



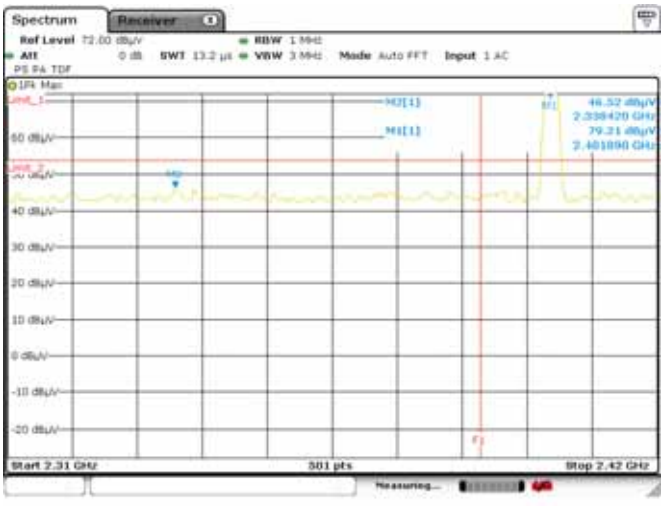
Bandedge @ mode π/4-DQPSK Ch78 Peak



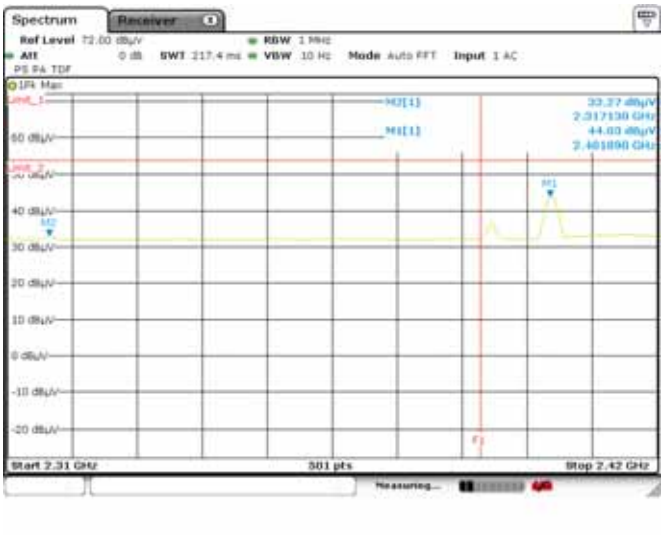
Bandedge @ mode π/4-DQPSK Ch78 Average



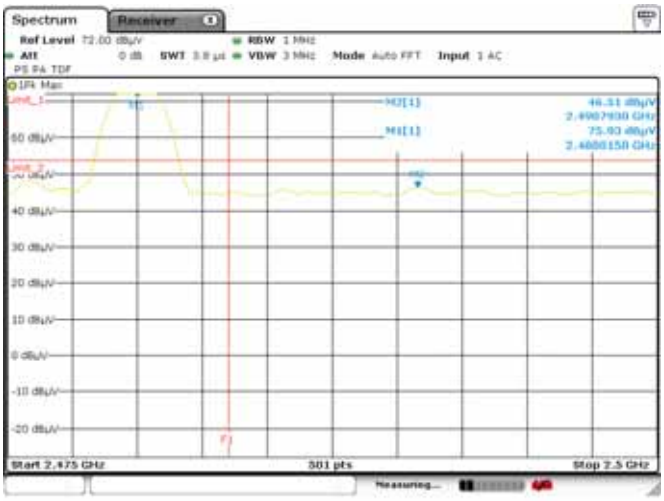
Bandedge @ mode 8DPSK Ch0 Peak



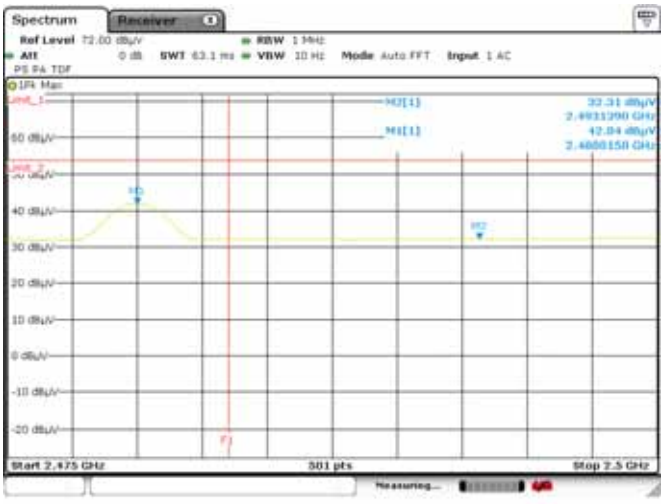
Bandedge @ mode 8DPSK Ch0 Average



Bandedge @ mode 8DPSK Ch78 Peak



Bandedge @ mode 8DPSK Ch78 Average



6. AC Power Line Conducted Emission

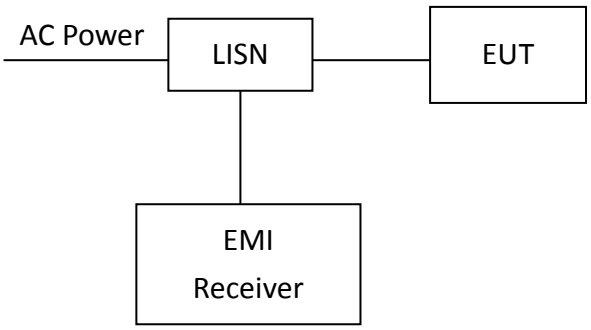
6.1 Measuring instrument setting

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

6.2 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.

6.3 Test Diagram



6.4 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

6.5 Operating Environment Condition

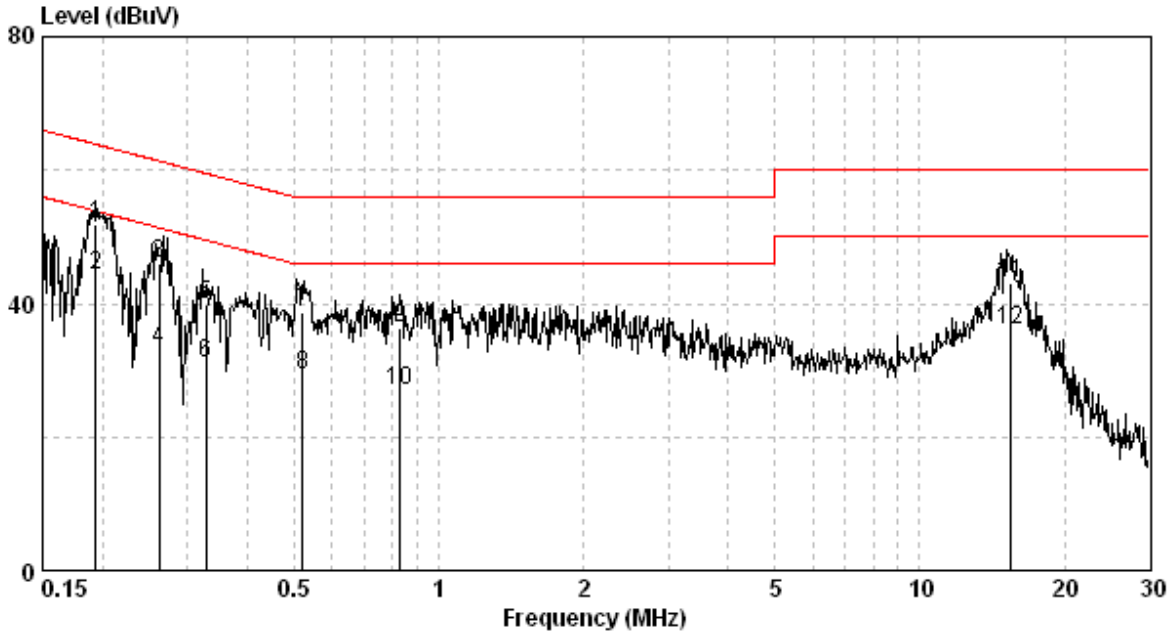
Temperature (℃) :	26
Relative Humidity (%) :	68
Atmospheric Pressure (hPa) :	1010
Test Date :	2018/04/27

6.6 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

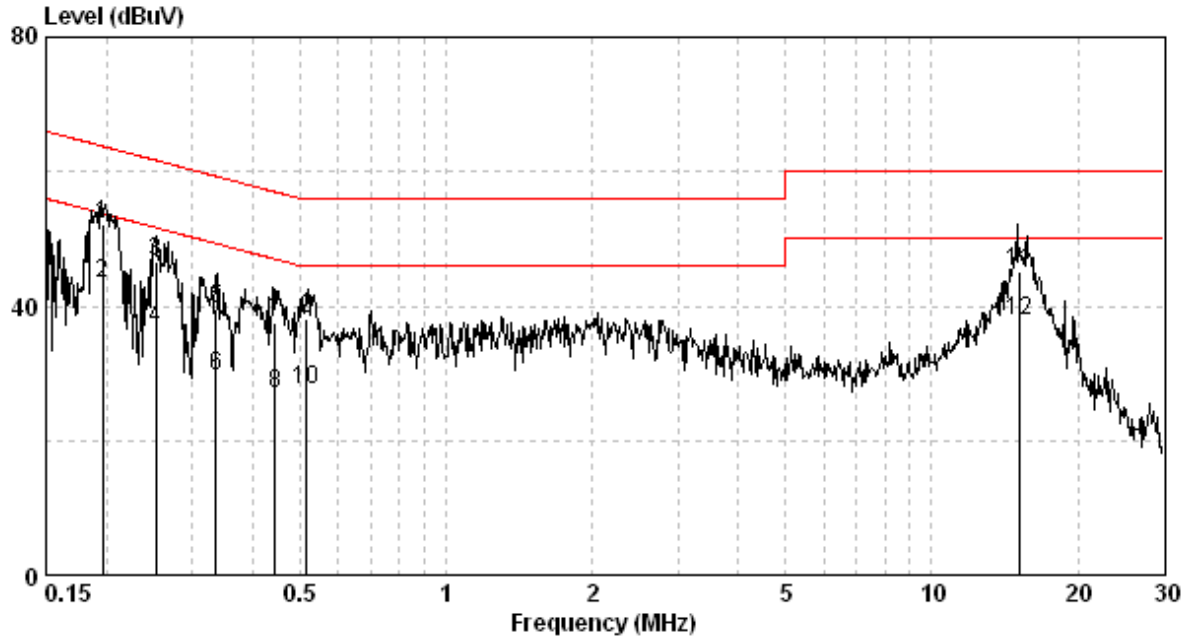
Remark:
1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Level (dBuV) = Corr. Factor (dB) + Reading (dBuV)
3. Margin (dB) = Level (dBuV) – Limit (dBuV)



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
Radiated disturbances from 9kHz~30MHz in a semi-anechoic chamber at a distance of 3m	3.54 dB
Emission on the Band Edge Test	3.64 dB
20dB Bandwidth	1.22 dB
AC Power Line Conducted Emission	2.48 dB