



**FCC Part15, Subpart B
ICES-003**

TEST REPORT

For

Square Terminal

MODEL NUMBER: SPD2-01-A, SPD2-01

REPORT NUMBER: 4789331395.1-3

ISSUE DATE: April 2, 2020

Prepared for

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	04/02/2020	Initial Issue	



Summary of Test Results				
Standard	Test Item	Limit	Result	Remark
FCC Part15, Subpart B ANSI C63.4-2014 ICES-003 Issue 6	Conducted Disturbance	Class B	PASS	
	Radiated Disturbance below 1 GHz	Class B	PASS	
	Radiated Disturbance above 1 GHz	Class B	PASS	NOTE (3) NOTE (4)
<p>Note:</p> <p>(1) "N/A" denotes test is not applicable in this test report.</p> <p>(2) This test is only applicable for devices which can be charged or powered by AC power cable.</p> <p>(3) If the highest frequency of the internal sources of the EUT is less than 108 MHz, the measurement shall only be made up to 1 GHz. If the highest frequency of the internal sources of the EUT is between 108 MHz and 500 MHz, the measurement shall only be made up to 2 GHz. If the highest frequency of the internal sources of the EUT is between 500 MHz and 1 GHz, measurement shall only be made up to 5 GHz. If the highest frequency of the internal sources of the EUT is above 1 GHz, the measurement shall be made up to 5 times the highest frequency or 40ote GHz, whichever is less.</p> <p>(4) The frequency, which started from 18 GHz to 40GHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.</p> <p>This test report is only published to and used by the applicant, and it is not for evidence purpose in China.</p>				



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1. ATTESTATION OF TEST RESULTS

FCC

Applicant Information

Company Name: Square, Inc.
Address: 1455 Market St, Suite 600, San Francisco, California, United States 94103

ISED

Applicant Information

Company Name: Square Canada, Inc.
Address: 5000 Yonge Street, Suite 1501; Toronto, ON, M2N7E9 Canada

FCC

Manufacturer Information

Company Name: Square, Inc.
Address: 1455 Market St, Suite 600, San Francisco, California, United States 94103

ISED

Manufacturer Information

Company Name: Square Canada, Inc.
Address: 5000 Yonge Street, Suite 1501; Toronto, ON, M2N7E9 Canada



EUT Information

EUT Name Square Terminal
Model for Canada SPD2-01-A
Model for US SPD2-01
Sample Received Date: January 13, 2020
Sample Status: Normal
Sample ID: 2809002
Date of Tested: January 13~ March 31, 2020

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC Part15, Subpart B	PASS
ICES-003 Issue 6	PASS

Prepared By:

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Project Engineer

Checked By:

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Laboratory Leader

Approved By:

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2. TEST METHODOLOGY

All tests were performed in accordance with the standard FCC Part15 Subpart B & ICES-003 Issue 6 & ANSI C63.4-2014.

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	<p>A2LA (Certificate No.: 4102.01) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA.</p> <p>FCC (FCC Recognized No.: CN1187) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules</p> <p>IC (Company No.: 21320) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with Industry Canada. The Company Number is 21320.</p> <p>VCCI (Registration No.: G-20019, R-20004, C-20012 and T-20011) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with VCCI, the Membership No. is 3793. Facility Name: Chamber D, the VCCI registration No. is G-20019 and R-20004 Shielding Room B , the VCCI registration No. is C-20012 and T-20011</p>
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Note: All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, No. 1, Li Bin Road, Song Shan Lake Hi-Tech Development Zone Dongguan, 523808, People’s Republic of China

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations and is traceable to recognized national standards.

4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Item	Measurement Frequency Range	K	U(dB)
Conducted emissions from the AC mains power ports	0.009MHz ~ 0.15MHz	2	4.00
Conducted emissions from the AC mains power ports	0.15MHz ~ 30MHz	2	3.62
Radiated emissions	30MHz ~ 1GHz	2	4.00
Radiated emissions	1GHz ~ 18GHz	2	5.78
Radiated emissions	18GHz ~ 26GHz	2	5.23
Radiated emissions	26GHz ~ 40GHz	2	5.64

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



5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

EUT Name	Square Terminal		
Model for Canada	SPD2-01-A		
Model for US	SPD2-01		
Power Supply	Power Adapter	Input	100~240V,50/60Hz,1.4A
		Output	5V dc,3.0A; 9V dc,3.0A; 15V dc,3.0A; 20V dc,3.0A
	Battery	/	

5.2. TEST MODE

Test Mode	Description
Mode 1	Run all function via the software provided by manufacturer (Display H-pattern on the screen+ NFC on + 2.4G WiFi connection + BT connection + wired network connection + Printing + playing 1kHz)
Mode 2	Run all function via the software provided by manufacturer (Display H-pattern on the screen+ NFC on + 5G WiFi connection + BT connection + wired network connection + Printing + playing 1kHz)
Mode 3	Standby

5.3. EUT ACCESSORY

ACCESSORY

Item	Accessory	Brand Name	Model Name	Description
1	Power Adapter	/	SWD4-01	Input: 100-240V ~ 50/60Hz 1.4A Output: 5V dc,3.0A; 9V dc, 3.0A; 15V dc,3.0A; 20V dc,3.0A
2	Hub	/	SHD3-01	Input: 5V dc,1.3A; 9V dc,2 .0A; 15V dc,2.4A; 20V dc,2.5
3	AC cable	/	/	2pin 1.3m



5.4. SUPPORT UNITS FOR SYSTEM TEST

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	Specification	Series No.
1	Earphone	apple	N/A	N/A	N/A
2	Mouse	Lenovo	MO28UOB	USB port	8SSM50G45918FCCC1545
3	Keyboard	Lenovo	LXH-JME2209U	USB port	60804634
4	Barcode scanner	N/A	1504 2D	N/A	BKH005630
5	BT speaker	sinGbox	P10	/	/
6	Router	ASUS	RT-AC68U	2.4G wifi 5G wifi	F5IA0H006460
7	Laptop	Lenovo	E42-80	N/A	LR055CTK
8	Laptop	Lenovo	E42-80	N/A	R303U5AG
9	Laptop	Lenovo	E42-80	N/A	R303U5EC

The following cables were used to form a representative test configuration during the tests.

Item	Type of cable	Shielded Type	Ferrite Core	Specification
1	Earphone cable	NO	NO	1.0m
2	USB cable	YES	NO	1.5m
3	USB cable	YES	NO	1.5m
4	USB cable	YES	NO	2.0m
5	RJ45 cable	YES	NO	10.0m

**6. MEASURING EQUIPMENT AND SOFTWARE USED**

Conducted Emissions					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
EMI Test Receiver	R&S	ESR3	101961	Dec. 5, 2019	Dec. 5, 2020
Two-Line V-Network	R&S	ENV216	101983	Dec. 5, 2019	Dec. 5, 2020
Artificial Mains Networks	Schwarzbeck	NSLK 8126	8126465	Dec. 5, 2019	Dec. 5, 2020
Software					
Description		Manufacturer	Name	Version	
Test Software for Conducted Emissions		Farad	EZ-EMC	Ver. UL-3A1	
Radiated Emissions					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
MXE EMI Receiver	KESIGHT	N9038A	MY56400036	Dec. 6, 2019	Dec. 6, 2020
Hybrid Log Periodic Antenna	TDK	HLP-3003C	130959	Sept. 17, 2018	Sept. 17, 2021
Preamplifier	HP	8447D	2944A09099	Dec. 5, 2019	Dec. 5, 2020
EMI Measurement Receiver	R&S	ESR26	101377	Dec. 05, 2019	Dec. 05, 2020
Horn Antenna	TDK	HRN-0118	130939	Sept. 17, 2018	Sept. 17, 2021
Preamplifier	TDK	PA-02-0118	TRS-305-00067	Dec. 05, 2019	Dec. 05, 2020
Horn Antenna	Schwarzbeck	BBHA9170	#691	Aug. 11, 2018	Aug. 11, 2021
Preamplifier	TDK	PA-02-2	TRS-307-00003	Dec. 05, 2019	Dec. 05, 2020
Preamplifier	TDK	PA-02-3	TRS-308-00002	Dec. 05, 2019	Dec. 05, 2020
Software					
Description		Manufacturer	Name	Version	
Test Software for Radiated Emissions		Farad	EZ-EMC	Ver. UL-3A1	

7. EMISSION TEST

7.1. CONDUCTED EMISSIONS MEASUREMENT

LIMITS

CFR 47 FCC Part15 Subpart B ICES-003 Issue 6				
FREQUENCY (MHz)	Class A (dB μ V)		Class B (dB μ V)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46*
0.50 -5.0	73.00	60.00	56.00	46.00
5.0 -30.0	73.00	60.00	60.00	50.00

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

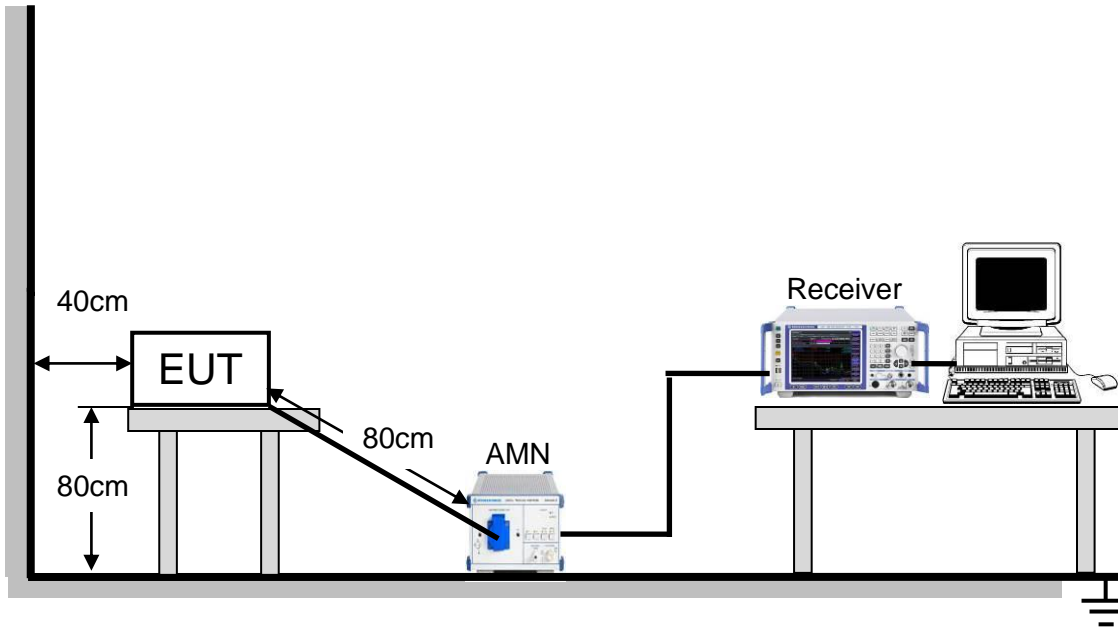
The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

TEST PROCEDURE

1. The testing follows the guidelines in ANSI C63.4-2014.
2. The EUT was placed on the top of a rotating table 0.8 meters above the horizontal ground plane and being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
3. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
4. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
5. Cables of hand-operated devices, such as keyboards and mice, shall be placed as for normal used.
6. LISN at least 80 cm from nearest part of EUT chassis.
7. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and average detector mode.

TEST SETUP



For the actual test configuration, please refer to Appendix I: Photographs of Test Configuration.

TEST ENVIRONMENT

Temperature	24°C	Relative Humidity	51%
Atmosphere Pressure	101kPa		

TEST MODE

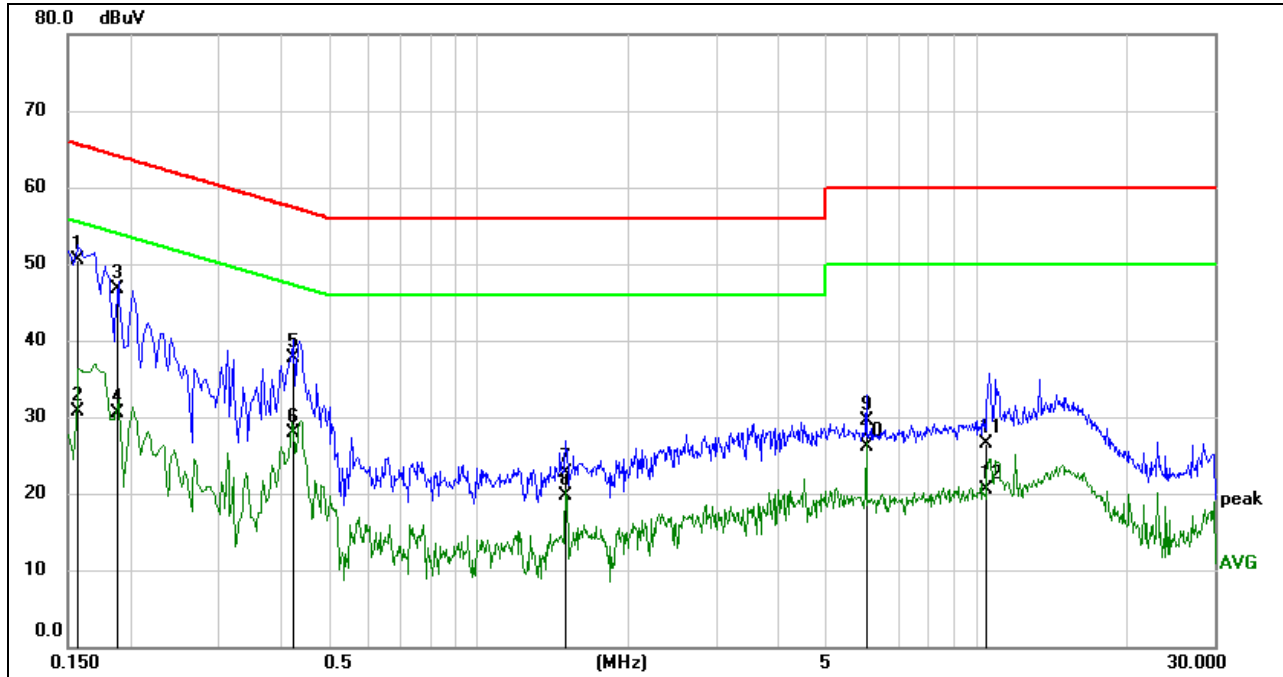
Pre-test Mode:	Mode 1 ~ Mode 3
Final Test Mode:	Mode 1

Note: All test modes had been tested, but only the worst data recorded in the report.



TEST RESULTS

Conducted Emissions			
Test Mode:	Mode 1	Phase:	Line
Test Voltage	AC 120V/60Hz		

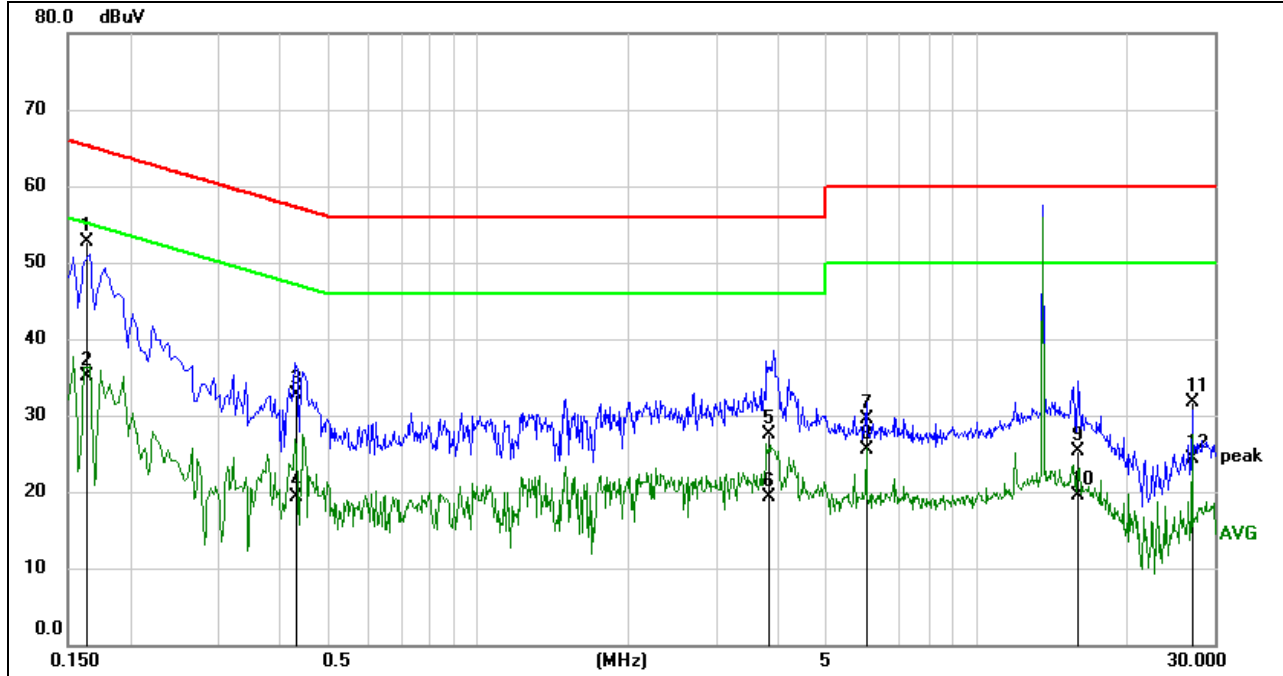


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1559	40.83	9.61	50.44	65.68	-15.24	QP
2	0.1559	21.06	9.61	30.67	55.68	-25.01	AVG
3	0.1883	37.19	9.60	46.79	64.11	-17.32	QP
4	0.1883	20.84	9.60	30.44	54.11	-23.67	AVG
5	0.4230	28.16	9.60	37.76	57.39	-19.63	QP
6	0.4230	18.28	9.60	27.88	47.39	-19.51	AVG
7	1.4993	13.04	9.61	22.65	56.00	-33.35	QP
8	1.4993	10.01	9.61	19.62	46.00	-26.38	AVG
9	5.9958	19.85	9.70	29.55	60.00	-30.45	QP
10	5.9958	16.48	9.70	26.18	50.00	-23.82	AVG
11	10.4927	16.71	9.75	26.46	60.00	-33.54	QP
12	10.4927	10.74	9.75	20.49	50.00	-29.51	AVG

Note: 1. Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)
2. Margin = Result - Limit



Conducted Emissions			
Test Mode:	Mode 1	Phase:	Neutral
Test Voltage	AC 120V/60Hz		



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1627	43.12	9.60	52.72	65.32	-12.60	QP
2	0.1627	25.43	9.60	35.03	55.32	-20.29	AVG
3	0.4326	23.19	9.60	32.79	57.20	-24.41	QP
4	0.4326	9.79	9.60	19.39	47.20	-27.81	AVG
5	3.8288	17.93	9.66	27.59	56.00	-28.41	QP
6	3.8288	9.65	9.66	19.31	46.00	-26.69	AVG
7	5.9952	19.82	9.70	29.52	60.00	-30.48	QP
8	5.9952	15.90	9.70	25.60	50.00	-24.40	AVG
9	15.9515	15.36	9.96	25.32	60.00	-34.68	QP
10	15.9515	9.51	9.96	19.47	50.00	-30.53	AVG
11	27.1200	21.62	9.99	31.61	60.00	-28.39	QP
12	27.1200	14.33	9.99	24.32	50.00	-25.68	AVG

Note: 1. Result = Reading + Correct (Insertion Loss + Cable Loss + Attenuator Factor)

2. Margin = Result - Limit

Remark: the frequency over the limit is NFC fundamental frequency 13.56MHz, which can be ignore for result checking.



7.2. RADIATED EMISSIONS MEASUREMENT

LIMITS

Below 1 GHz

CFR 47 FCC Part15 Subpart B ICES-003 Issue 6			
Frequency (MHz)	Class A		Class B
	Field strength (uV/m) (at 10m)	Field strength (dBuV/m) (at 3m)	Field strength (dBuV/m) (at 3m)
30 - 88	90	49.5	40
88 - 216	150	53.9	43.5
216 - 960	210	56.9	46
Above 960	300	60	54

Above 1 GHz

CFR 47 FCC Part15 Subpart B ICES-003 Issue 6						
Frequency (MHz)	Class A				Class B	
	(dBuV/m) (at 3m)		(dBuV/m) (at 10m)		(dBuV/m) (at 3m)	
	Peak	Average	Peak	Average	Peak	Average
Above 1000	80	60	69.5	49.5	74	54

Test Frequency Range of Radiated Disturbance Measurement

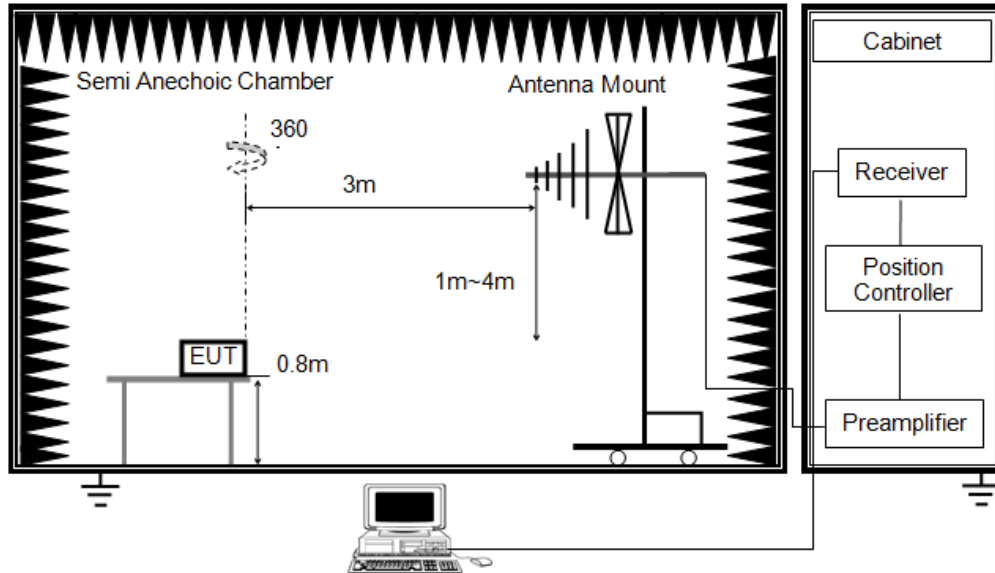
Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz)	Range (MHz)
Below 1.705	30
1.705 - 108	1000
108 - 500	2000
500 - 1000	5000
Above 1000	5 th harmonic of the highest frequency or 40 GHz, whichever is lower

NOTE:

- (1) The limit for radiated test was performed according to FCC Part 15, Subpart B;
- (2) The tighter limit applies at the band edges;
- (3) Emission level (dBuV/m) = 20log Emission level (uV/m),
3m Emission level = 10m Emission level + 20log(10m/3m);

TEST SETUP AND PROCEDURE

Below 1G and above 30MHz

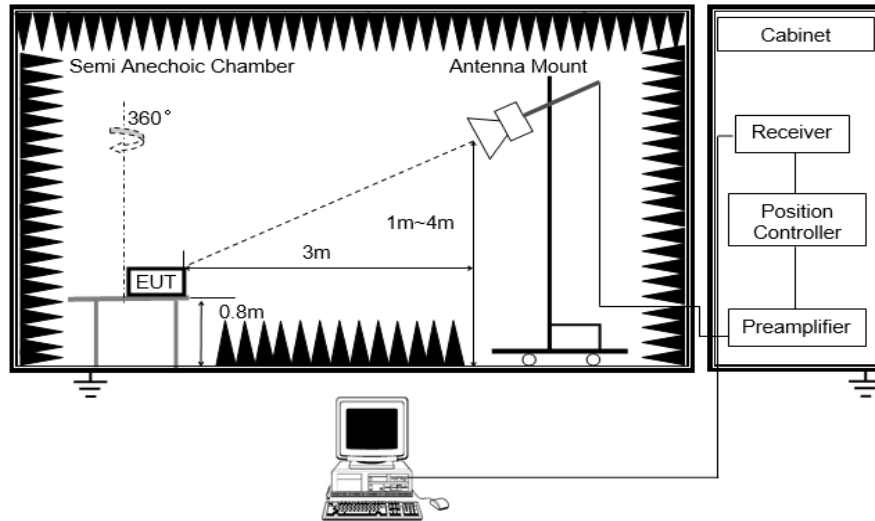


The setting of the spectrum analyser

RBW	120K
VBW	300K
Sweep	Auto
Detector	Peak and QP
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.4-2014.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp was used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80cm above ground.
4. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
5. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
6. Cables of hand-operated devices, such as keyboards and mice, shall be placed as for normal used.
7. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
8. For measurement below 1GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.

Above 1G



The setting of the spectrum analyser

RBW	1M
VBW	3M
Sweep	Auto
Detector	Peak: Peak AVG: RMS
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.4-2014.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80cm above ground.
4. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
5. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
6. Cables of hand-operated devices, such as keyboards and mice, shall be placed as for normal used.
7. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
8. For measurement above 1GHz, the peak emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the peak limit specified in Section 15.109. If peak result complies with average limit, average result is deemed to comply with average limit.
9. The average emission measurement will be measured by the RMS detector and must comply with the average limit specified in Section 15.109.

**TEST ENVIRONMENT**

Radiated Emissions - Below 1 GHz		Radiated Emissions - Above 1 GHz	
Temperature:	23°C	Temperature:	23.4°C
Humidity:	53%	Humidity:	54%
Atmosphere Pressure	101kPa	Atmosphere Pressure	101kPa

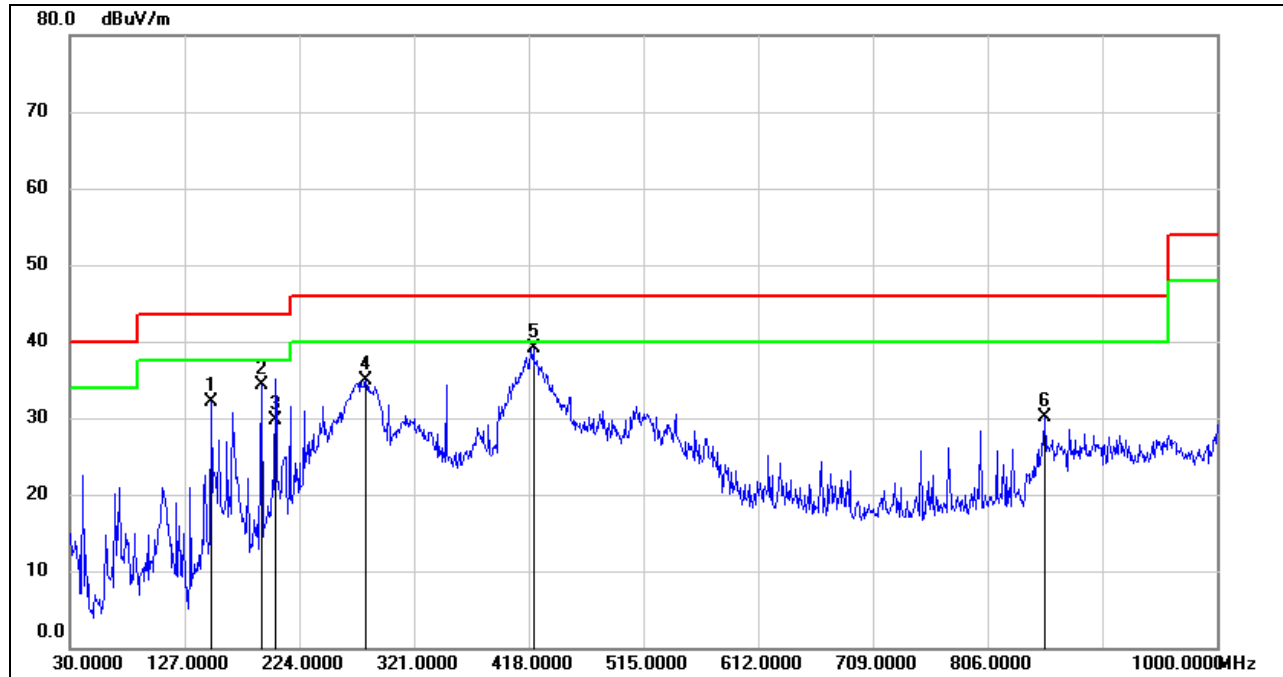
TEST MODE

Radiated Emissions - Below 1 GHz		Radiated Emissions - Above 1 GHz	
Pre-test Mode:	Mode 1 ~ Mode 3	Pre-test Mode:	Mode 1 ~ Mode 3
Final Test Mode:	Mode 1	Final Test Mode:	Mode 1

Note: All test modes had been tested, but only the worst data recorded in the report.

**TEST RESULTS**

Radiated Emissions – Below 1GHz			
Measurement Method	Radiated	Polar:	Horizontal
Test Mode:	Mode 1	Test Voltage:	AC 120V/60Hz



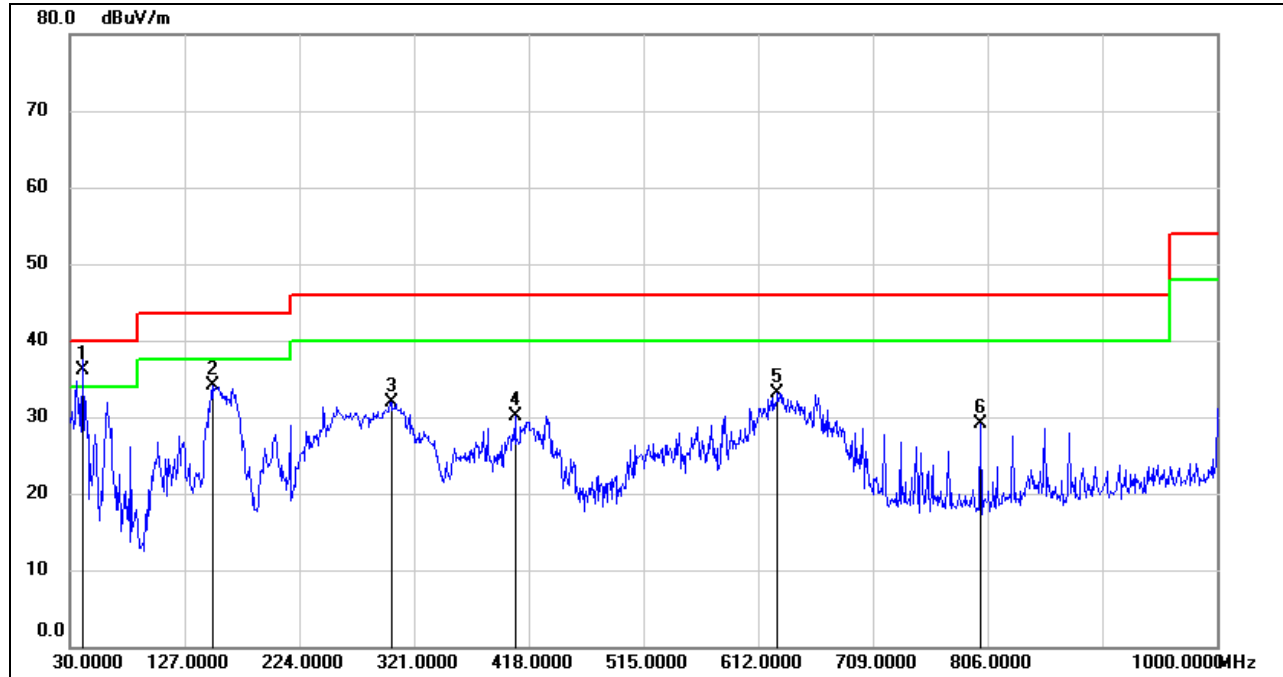
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	149.3100	50.50	-18.36	32.14	43.50	-11.36	QP
2	191.9900	50.80	-16.54	34.26	43.50	-9.24	QP
3	203.6300	45.88	-16.10	29.78	43.50	-13.72	QP
4	280.2600	49.98	-15.14	34.84	46.00	-11.16	QP
5	421.8800	51.46	-12.32	39.14	46.00	-6.86	QP
6	854.5000	34.84	-4.77	30.07	46.00	-15.93	QP

Note: 1. Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)

2. Margin = Result - Limit



Radiated Emissions – Below 1GHz			
Measurement Method	Radiated	Polar:	Vertical
Test Mode:	Mode 1	Test Voltage:	AC 120V/60Hz

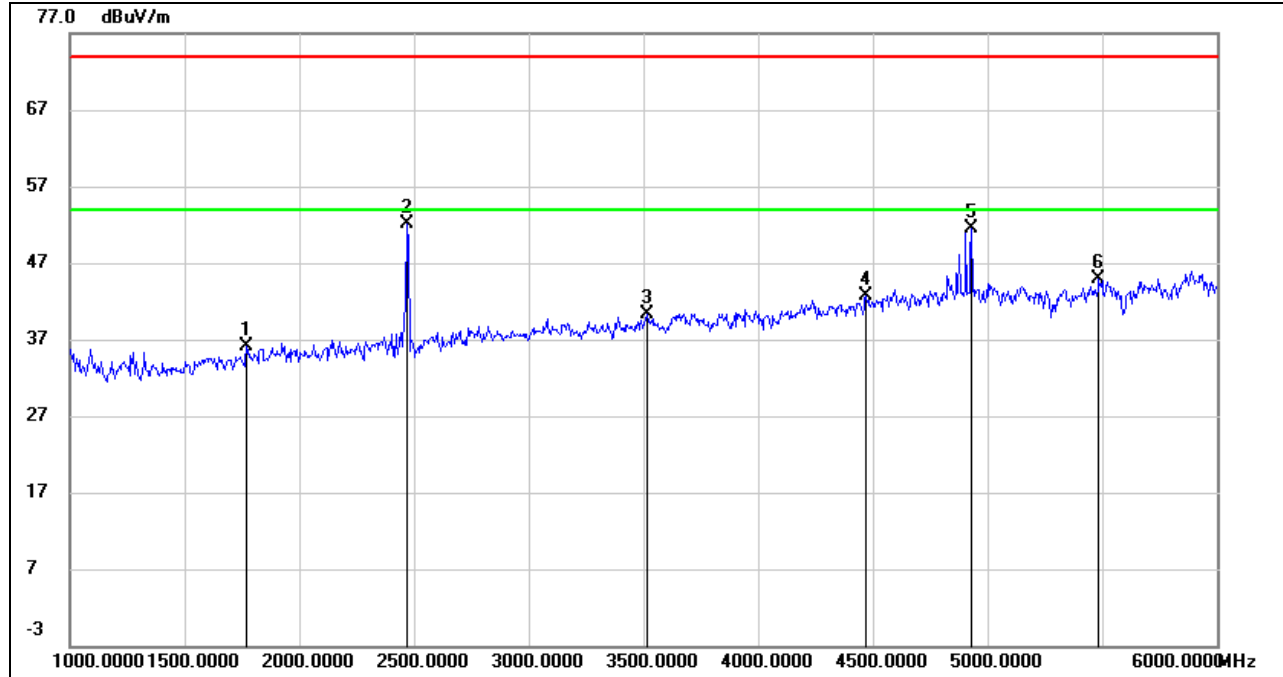


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	40.6699	53.99	-17.91	36.08	40.00	-3.92	QP
2	151.2500	52.36	-18.22	34.14	43.50	-9.36	QP
3	301.6000	46.13	-14.17	31.96	46.00	-14.04	QP
4	406.3599	42.66	-12.62	30.04	46.00	-15.96	QP
5	628.4900	41.56	-8.43	33.13	46.00	-12.87	QP
6	800.1800	34.64	-5.51	29.13	46.00	-16.87	QP

Note: 1. Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)
 2. Margin = Result - Limit



Radiated Emissions – Above 1GHz and Below 6GHz			
Measurement Method	Radiated	Polar:	Horizontal
Test Mode:	Mode 1	Test Voltage:	AC 120V/60Hz

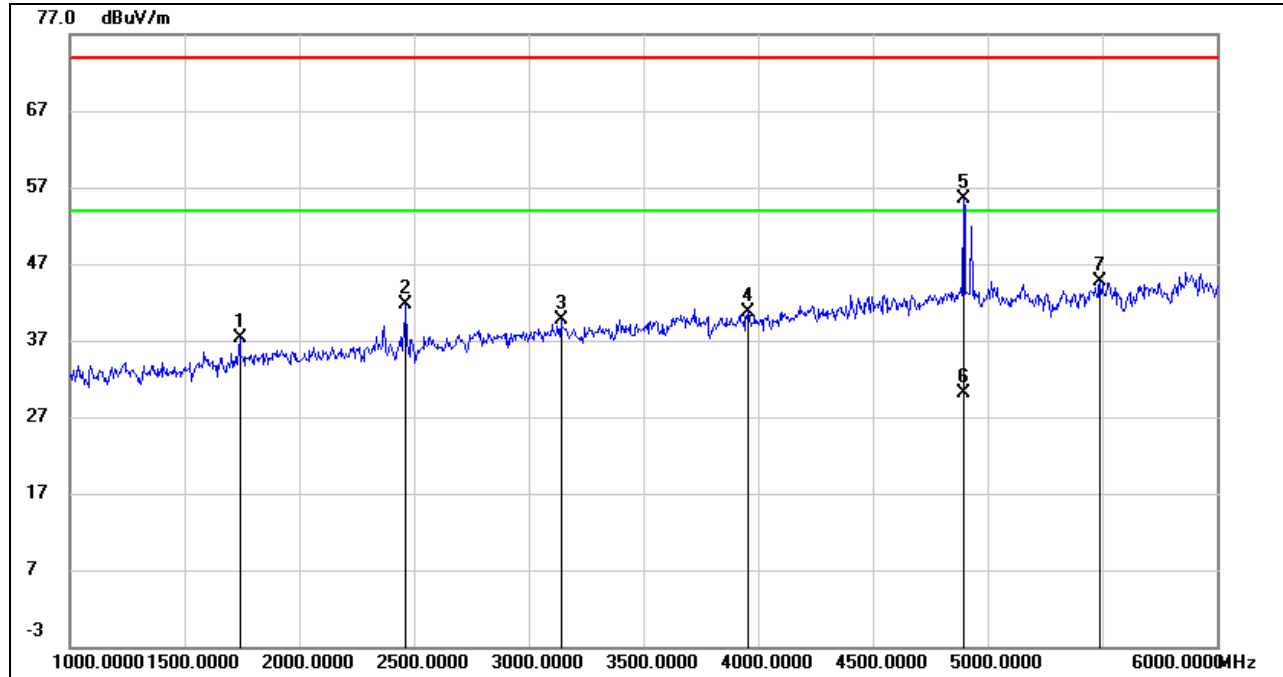


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1770.000	46.45	-10.36	36.09	74.00	-37.91	peak
2	2470.000	59.49	-7.43	52.06	74.00	-21.94	peak
3	3515.000	44.07	-3.85	40.22	74.00	-33.78	peak
4	4470.000	42.71	-0.04	42.67	74.00	-31.33	peak
5	4930.000	49.01	2.52	51.53	74.00	-22.47	peak
6	5485.000	40.61	4.23	44.84	74.00	-29.16	peak

- Note: 1. Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)
 2. Margin = Result - Limit
 3. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 4. Peak: Peak detector.
 5. AVG: RMS detector.



Radiated Emissions – Above 1GHz and Below 6GHz			
Measurement Method	Radiated	Polar:	Vertical
Test Mode:	Mode 1	Test Voltage:	AC 120V/60Hz

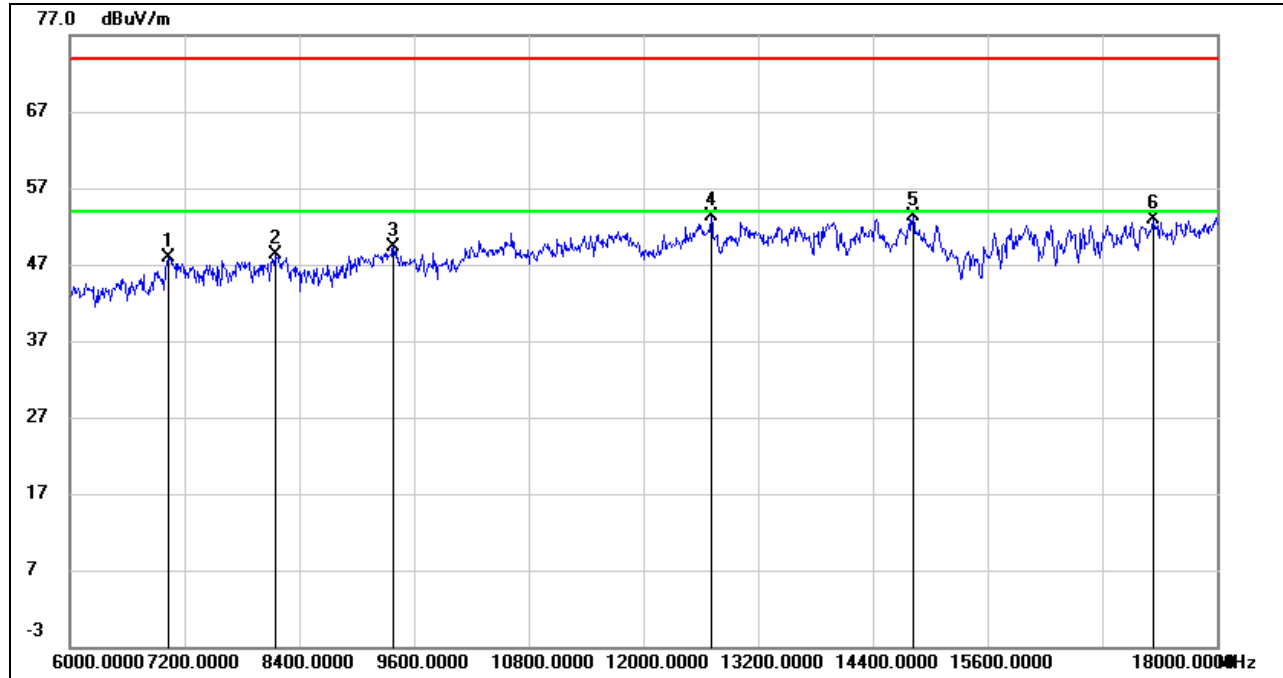


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1740.000	47.85	-10.63	37.22	74.00	-36.78	peak
2	2465.000	49.16	-7.43	41.73	74.00	-32.27	peak
3	3140.000	44.15	-4.49	39.66	74.00	-34.34	peak
4	3955.000	43.18	-2.44	40.74	74.00	-33.26	peak
5	4895.000	53.08	2.40	55.48	74.00	-18.52	peak
6	4895.000	27.72	2.40	30.12	54.00	-23.88	AVG
7	5490.000	40.34	4.30	44.64	74.00	-29.36	peak

- Note: 1. Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)
 2. Margin = Result - Limit
 3. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 4. Peak: Peak detector.
 5. AVG: RMS detector.



Radiated Emissions – Above 6GHz			
Measurement Method	Radiated	Polar:	Horizontal
Test Mode:	Mode 1	Test Voltage:	AC 120V/60Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7032.000	40.67	7.31	47.98	74.00	-26.02	peak
2	8148.000	38.77	9.44	48.21	74.00	-25.79	peak
3	9384.000	38.17	11.06	49.23	74.00	-24.77	peak
4	12708.000	36.53	16.70	53.23	74.00	-20.77	peak
5	14820.000	34.76	18.53	53.29	74.00	-20.71	peak
6	17328.000	28.01	24.80	52.81	74.00	-21.19	peak

Note: 1. Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor + High Pass Filter Loss Factor)

2. Margin = Result - Limit

3. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

4. Peak: Peak detector.

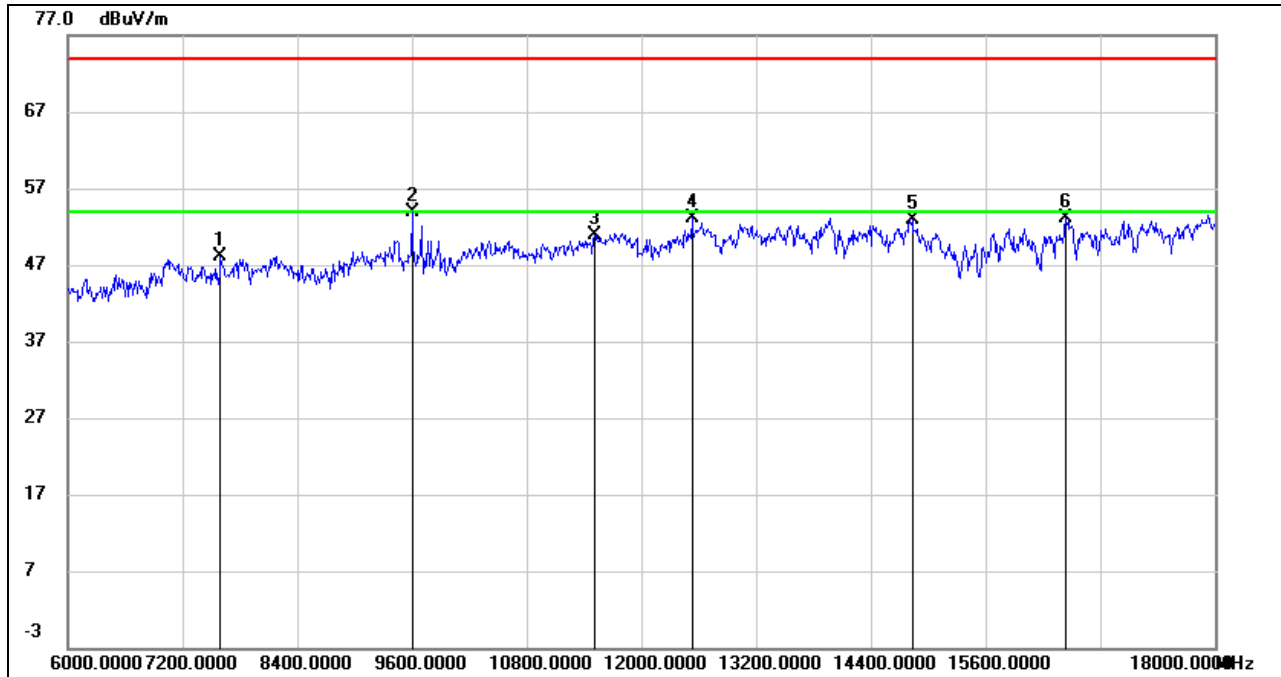
5. AVG: RMS detector.

6. The high pass filter loss factor already add into the correct factor.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.



Radiated Emissions – Above 6GHz			
Measurement Method	Radiated	Polar:	Vertical
Test Mode:	Mode 1	Test Voltage:	AC 120V/60Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7596.000	40.02	8.17	48.19	74.00	-25.81	peak
2	9600.000	43.00	10.91	53.91	74.00	-20.09	peak
3	11508.000	36.00	14.95	50.95	74.00	-23.05	peak
4	12528.000	36.07	16.96	53.03	74.00	-20.97	peak
5	14832.000	34.44	18.49	52.93	74.00	-21.07	peak
6	16440.000	31.43	21.75	53.18	74.00	-20.82	peak

Note: 1. Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor + High Pass Filter Loss Factor)

2. Margin = Result - Limit

3. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

4. Peak: Peak detector.

5. AVG: RMS detector.

6. The high pass filter loss factor already add into the correct factor.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

Note, the frequency, which started from 18 GHz to 40GHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.