

EMC TEST REPORT

Project No.	LBE20191105	Issue No.	3
Applicant	Name of organization	Samsung Electronics Co., Ltd.	
	Address	(Maetan-dong) 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea	
	Date of application	September 09, 2019	
EUT	Type of device	<input checked="" type="checkbox"/> All other Receivers subject to part15 <input checked="" type="checkbox"/> Class B Personal Computers and peripherals <input checked="" type="checkbox"/> Other Class B digital devices and peripherals <input type="checkbox"/> FM Broadcast Receiver	
	Equipment authorization	<input checked="" type="checkbox"/> Certification <input type="checkbox"/> Supplier's Declaration of Conformity	
	FCC ID	A3LSMW767U	
	Kind of product	Note PC	
	Model No.	SM-W767V, SM-W767P, SM-W767A, SM-W767W, SM-W767U	
	Variant Model No.	Refer to clause 4.6	
	Manufacturer	1. Samsung Electronics Vietnam Thai Nguyen Co., Ltd Yen Binh Industrial Park, Dong Tien Ward, Pho Yen Town Thai Nguyen Province Vietnam 2. Samsung Electronics Vietnam Co., Ltd YEN PHONG I ID, YEN TRUNG, YEN PHONG BAC NINH, 790000 Vietnam 3. Samsung Electronics Co., Ltd 94-1, Imsu-dong, Gumi-si, Gyengsangbuk-do, 730-722, Republic of Korea	
Applied Standards	47 CFR Part 15, Subpart B, Class B / ANSI C63.4-2014		
Test Period	September 09, 2019 ~ September 23, 2019		
Issue date	October 01, 2019		
Test result : Complied			
The equipment under test has found to be compliant with the applied standards. (Refer to the attached test result for more detail.)			
Tested by : Ji-Yeon Lee		Reviewed by : Sung-Wook Choi	
			
The test results in this report only apply to the tested sample. This report must not be reproduced, except in full, without written permission from Global CS Center.			
Global CS Center of Samsung Electronics Co., Ltd. (Maetan-dong) 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea			

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1. Report Information

1.1 Revision history

No.	Revised detailed information
Issue 0	There are no revisions and this version is basic test report.
Issue 1	Model No. is changed (SM-W767V → SM-W767U) and Variant Model No. is added.
Issue 2	Model No. is changed (SM-W767U → SM-W767V, SM-W767P, SM-W767A, SM-W767W) and Variant Model No. is deleted.
Issue 3	Model No. is added (+ SM-W767U)

1.2 RSE test report no.

No.	Remark
HCT-RF-1909-FC009	The cellular receiver mode refers to the radiated spurious emissions test report.

2. Summary of test results

2.1 Emission

The EUT has been tested according to the following specifications:

Applied	Test type	Applied standard	Result
<input checked="" type="checkbox"/>	Conducted Disturbance (Mains port)	47 CFR Part 15 Subpart B / ANSI C63.4-2014 (Class B)	Complied
<input checked="" type="checkbox"/>	Radiated Disturbance		Complied

3. General Information

3.1 Test facility

The Global CS Center is located on Samsung Electronics Co., Ltd. at (Maetan-dong) 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea.

All testing are performed in Semi-anechoic chambers conforming to the site attenuation characteristics defined by ANSI C63.4, CISPR 32, CISPR 16-1-4 and Shielded rooms.

And all antennas are properly calibrated using ANSI C63.5:2017.

The Global CS Center is an ISO/IEC 17025:2005 accredited testing laboratory by the National Radio Research Agency with designation No. KR0004. for EMC testing.

4. Test Setup configuration

4.1 Test Peripherals

The cables used for these peripherals are either permanently attached by the peripheral manufacturer or coupled with an assigned cable as defined below.

The following is a listing of the EUT and peripherals utilized during the performance of EMC test:

Mark	Description	Model No.	Serial No.	Manufacturer / Trademark	FCC ID
A	Note PC	SM-W767V SM-W767P SM-W767A SM-W767W SM-W767U	-	SAMSUNG	A3LSMW767U
B	Battery	EB-BW767ABY	-	SAMSUNG	-
C	Headset	YBD-19HS	-	SAMSUNG	-
D	Data Cable	EP-DW767JBE	-	SAMSUNG	-
E	Micro SD Card	64GB	-	SAMSUNG	-
F	OTG Gender	EE-UG970	-	SAMSUNG	-
G	Router	DIR-806A	RF0F1D5000688	D-Link	DOC
			RF0F1D8011504	D-Link	DOC
H	Travel Adapter	EP-TA800	R37M99A0022DK3	SAMSUNG	DOC
I	Multiport Adapter	EE-P5000	R37K50000A0LU3	SAMSUNG	DOC
J	HDMI Monitor	LU28E85KRS	0MSWHTPKB00540B	SAMSUNG	DOC
K	HDMI Monitor AC Adapter	A5919_KPNL	CN07BN4400887DSK 28KB9G823R.F	POWERNET	DOC
L	USB Memory Stick	64GB	-	Sandisk	DOC

This tablet device does not contain the minimum number of ports required for personal computer testing per ANSI C63.4, but the EUT is attached to a computer through its only available port, which represents worst case emissions. All other aspects of C63.4 testing requirements were maintained.

4.2 EUT operating mode

To achieve compliance applied standard specification including CXX, JAB and JBP requirement, the following mode(s) were made during compliance testing:

4.2.1 Conducted Emission

No.	Operating mode
1	USB OTG (w/ USB gender: memory stick) + Cellular receiver (LTE B26 Center Frequency) + Charging (w/TA) + H pattern on video + Audio play
2	SD Card Read/Write + HDMI display + Charging (w/TA) + H pattern on video + Audio play
3	Front Camera + LAN (w/Ping test and Burn in test) + Charging (w/TA) + H pattern on video + Audio play

4.2.2 Radiated Emission

No.	Operating mode
1	USB OTG (w/ USB gender: memory stick) + Charging (w/TA) + H pattern on video + Audio play
2	SD Card Read/Write + HDMI display + H pattern on video + Audio play
3	Front Camera + LAN (w/Ping test and Burn in test) + H pattern on video + Audio play

4.3 Details of Sampling

Customer selected, single unit.

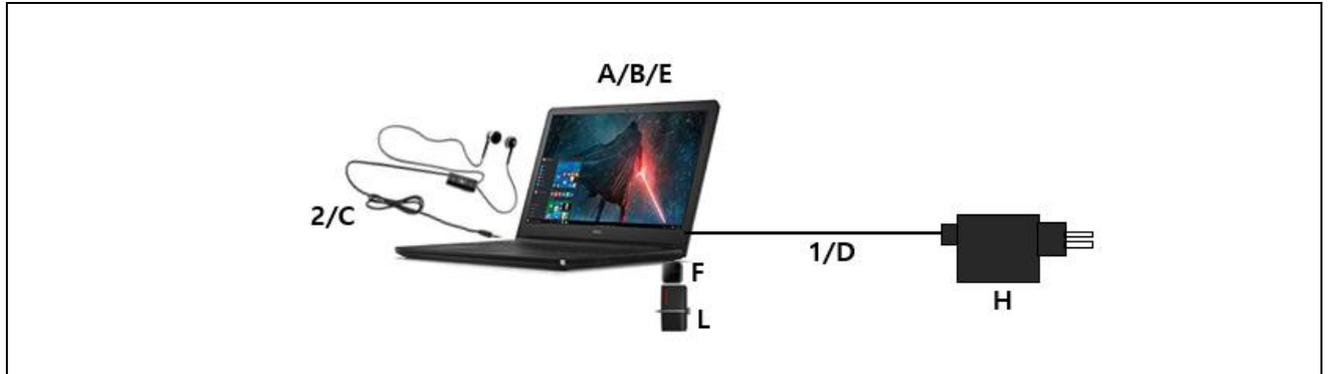
4.4 Used cable description

The EUT is configured, installed, arranged and operated in a manner consistent with typical applications. Interface cables/loads/devices are connected to at least one of each type of interface port of the EUT, and where practical, each cable shall be terminated in a device typical of actual usage. The type(s) of interconnecting cables to be used and the interface port (of the EUT) to which these were connected:

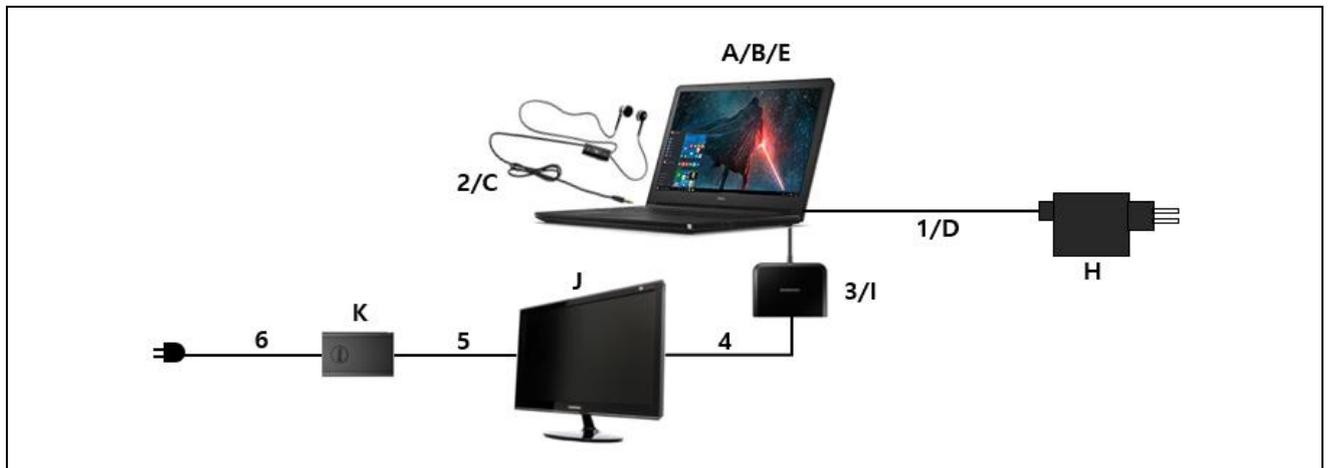
No.	Connected cable	Length [m]	Shielded [Y/N]	Note
1	Data Cable	1.8	Y	From EUT to Travel Adapter
2	Headset	1.3	N	For EUT
3	Multiport Adapter	0.2	N	For EUT
4	HDMI Cable	1.0	Y	From Multiport Adapter to HDMI Monitor
5	Power	1.2	N	From HDMI Monitor to HDMI Monitor AC Adapter
6	Power	1.5	N	For HDMI Monitor AC Adapter
7	LAN	1.5	N	From Multiport Adapter to Router
8	USB	0.8	N	From OTG Gender to Router for DC Power
9	USB	0.8	N	From Multiport Adapter to Router for DC Power

4.5 Test arrangement

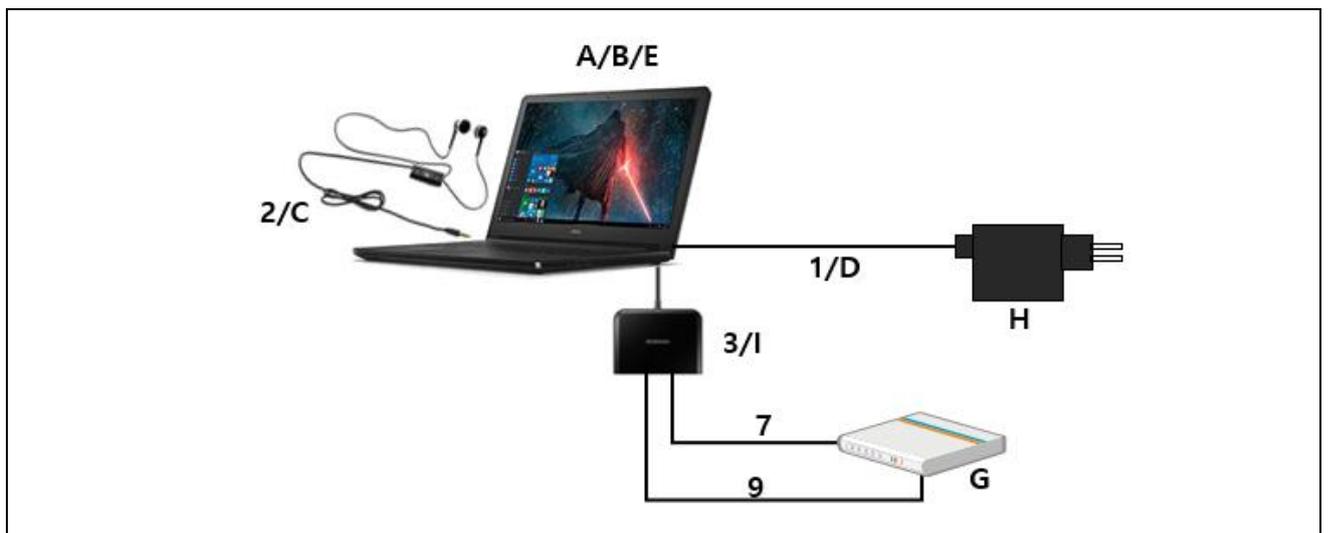
4.5.1 Conducted Emission



[Mode 1]

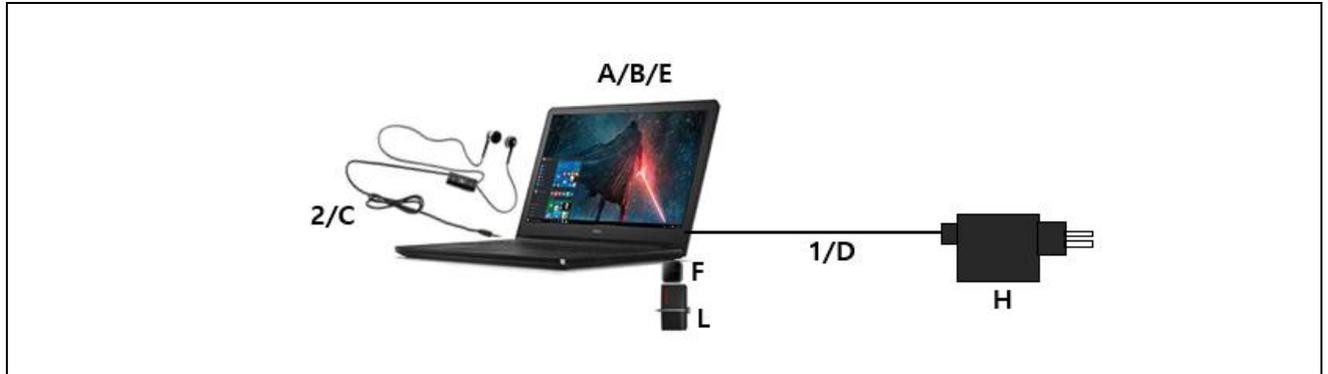


[Mode 2]

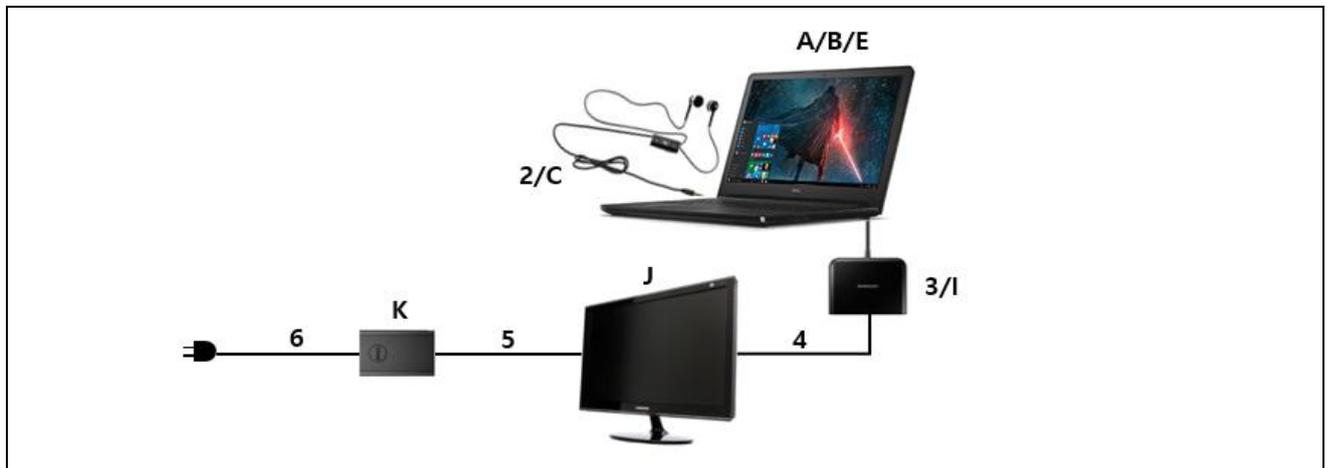


[Mode 3]

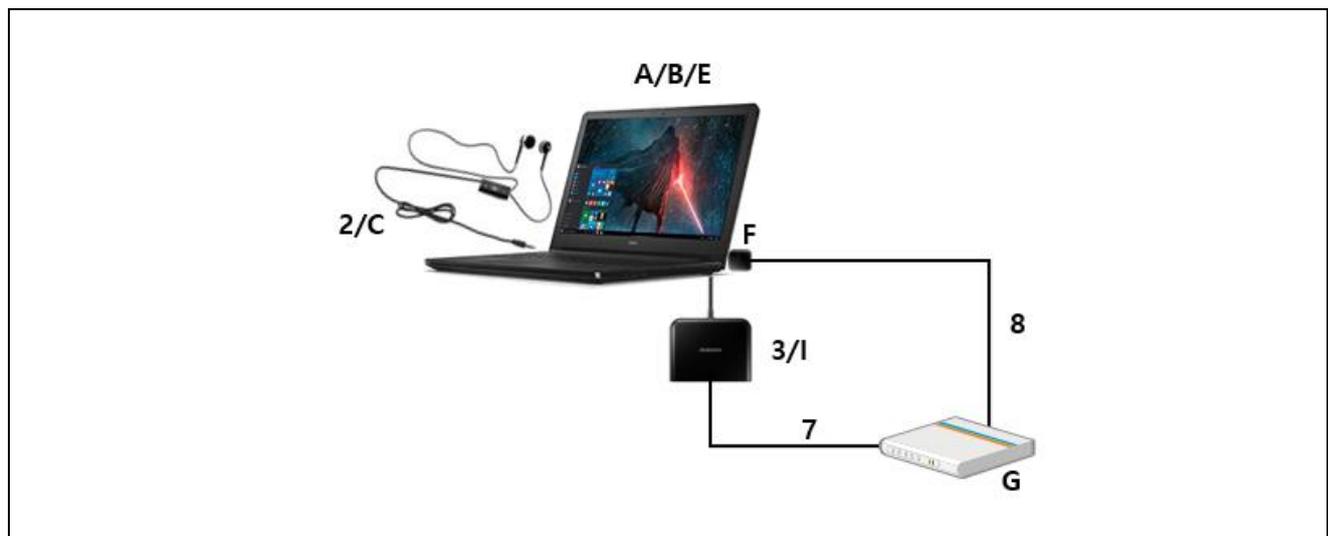
4.5.2 Radiated Emission



[Mode 1]



[Mode 2]



[Mode 3]

4.6 EUT Description

The EUT is a Note PC which can operate on WCDMA FDD1/2/5/8, LTE FDD2/3/4/5/7/8/12/13/20/26/28/66, LTE TDD38/39/40/41/46 bands and incorporates a Bluetooth, Wi-Fi, Camera, GNSS, HDMI, Audio and Video player.

4.6.1 The variant models

- None

4.7 EUT Frequencies

The highest frequencies (Generated and used)	Frequency [MHz]
Wi-Fi	5 825

4.8 Test configuration and condition

The EUT exercise program was tested using the Samsung special test program for Windows.

While the EMC testing was being done, the LCD panel was open and a pattern of "H" characters was written to the display on the LCD panel.

The system was configured for testing in a typical fashion that a customer would normally use. Cables were attached to each of the available I/O Ports. Where applicable, peripherals were attached to the I/O cables. All the external I/O ports are exercised, as well as internal and the external SD card, by writing and reading arbitrary data or charging with TA.

The EUT was investigated in three orientations and the worst case orientation is reported.

Cellular RX mode testing was performed with the LTE FDD26 RX Test mode at center frequency. All licensed communication Cellular RX mode, WCDMA/LTE, test results are not significantly different.

The scrolled H-character continuously displays on EUT's screen and the digital white noise was repetitively played connected to the earphone.

The video and music were played on monitor through HDMI Out function using multiport adapter and HDMI Cable.

The front camera of the EUT was operated continuously.

The EUT was connected to Local Area Network through the Ethernet port with Unshielded Twisted Pair Ethernet cable using multiport adapter. Ping test is conducted during the test and operate Burn-In test program selected all test condition.

The EUT was connected to USB Memory stick using USB OTG gender.

Power source for the EUT operating was supplied by CVCF made by the Pacific Corp.

- Test Voltage : AC 120 V, 60 Hz

4.9 Measurement uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus: (According to CISPR 16-4-2 and UKAS M3003)

4.9.1 Emission

Test type		Measurement uncertainty (C.L. 95 %, k = 2)
Conducted disturbance	AC Mains	2.83 dB
Radiated Disturbance (Below 1 GHz)	Horizontal	4.99 dB
	Vertical	4.90 dB
Radiated Disturbance (Above 1 GHz)	Horizontal	5.13 dB
	Vertical	5.12 dB

5. Results of individual test

5.1 Conducted disturbance

The EUT is connected to a LISN via travel adapter. If the EUT is connected to the Laptop Computer USB port, the Laptop AC adapter is connected to a LISN.

Both conducted lines are measured in Quasi-Peak and CISPR-Average mode, including the worst-case data points for each tested configuration. The EUT measured in accordance with the methods described in standards.

Limits for conducted disturbance at the mains ports of Class B ITE

Frequency range Limits [MHz]	Resolution Bandwidth [kHz]	Limits [dB(μ V)]	
		Quasi-peak	Average
0,15 to 0,50	9	66 to 56	56 to 46
0,50 to 5	9	56	46
5 to 30	9	60	50

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

5.1.1 Test instrumentation

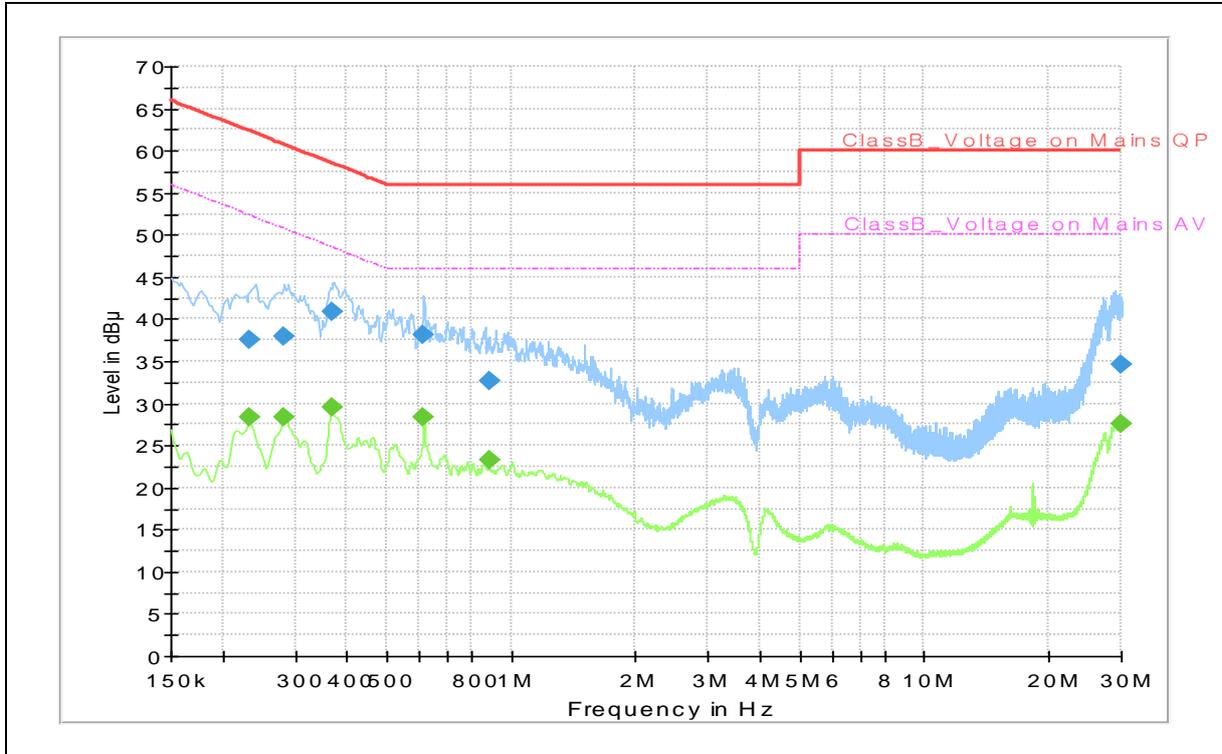
EMC No.	Test Instrument	Model name	Manufacturer	Serial No.	Calibration	
					Date	Interval (Month)
E5I-127	Two-Line V-Network	ENV216	R&S	102061	2019-08-01	12
E5I-043	Two-Line V-Network	ENV216	R&S	101630	2019-08-19	12
E5I-017	EMI Test Receiver	ESU8	R&S	100483	2019-01-16	12
E5I-171	LTE Communicator	CMW500	R&S	154667	2019-08-06	12
-	Test software	EMC32	R&S	Ver 9.26.01	-	-

5.1.2 Temperature and humidity condition

Test date	2019-09-23	Test engineer	Ji Yeon Lee
Climate condition	Ambient temperature	(21.3 ~ 21.7) °C	Limit (15.0 to 35.0) °C
	Relative humidity	(48.6 ~ 49.0) % R.H.	Limit (25.0 to 75.0) % R.H.
	Atmospheric pressure	(100.3 ~ 100.5) kPa	Limit (86.0 to 106.0) kPa
Test place	Shield Room (SR8)		

5.1.3 Test results

Operating Mode 1: AC Mains



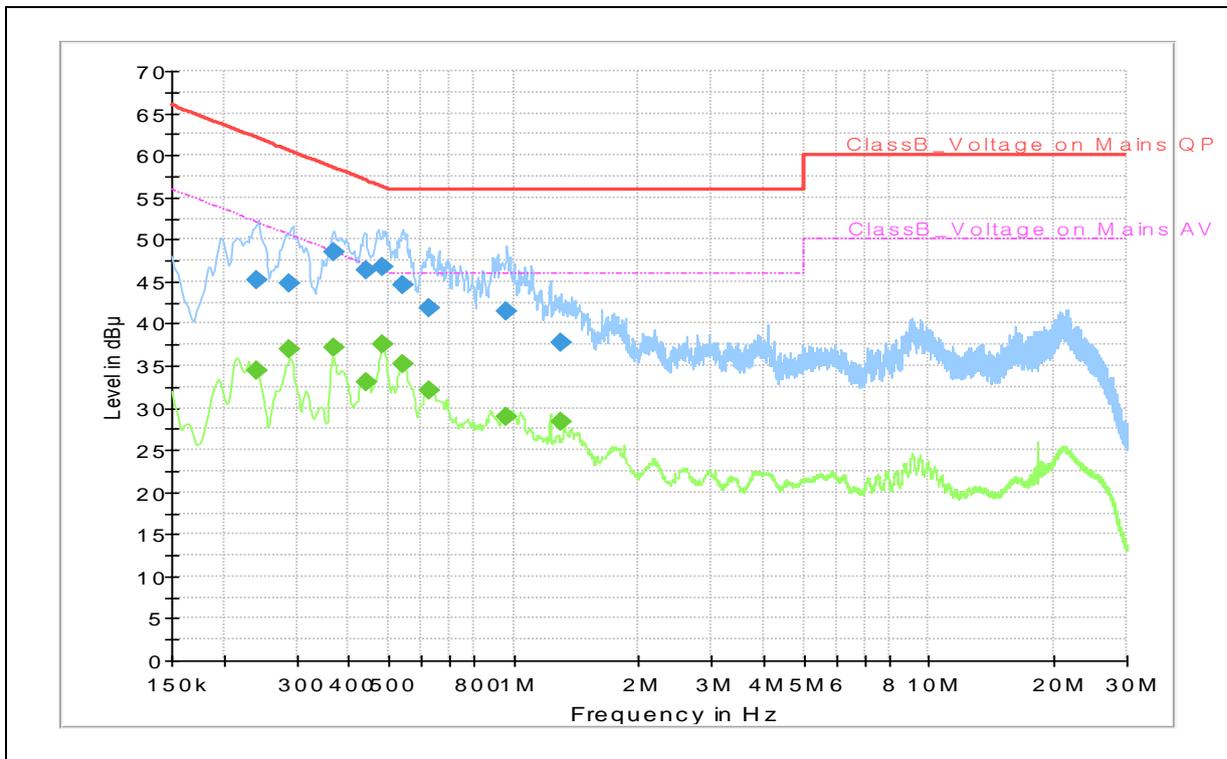
Note 1) Two graphs measured for both Live(L1) and Neutral(N) of the LISN are combined into one graph.

QP / CAV final measurement results table:

Frequency (MHz)	QP (dBµV)	CAV (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.233	---	28.3	52.3	24.0	N	9.9
0.233	37.6	---	62.3	24.7	N	9.9
0.283	---	28.4	50.7	22.3	N	10.0
0.283	38.0	---	60.7	22.7	N	10.0
0.371	40.9	---	58.5	17.6	N	10.2
0.371	---	29.5	48.5	19.0	N	10.2
0.614	38.2	---	56.0	17.8	N	10.2
0.614	---	28.4	46.0	17.6	N	10.2
0.886	32.7	---	56.0	23.3	N	10.0
0.886	---	23.3	46.0	22.7	N	10.0
29.967	---	27.6	50.0	22.4	L1	10.6
29.967	34.5	---	60.0	25.5	L1	10.6

Note 2) Level (QP and/or CAV) = Meter Reading (QP and/or CAV) + Corr. (LISN Insertion Loss + Cable Loss)
 Margin (QP and/or CAV) = Limit – Level (QP and/or CAV)
 QP = Quasi-Peak, CAV = CISPR-Average, Corr. = Correction Factor

Operating Mode 2: AC Mains



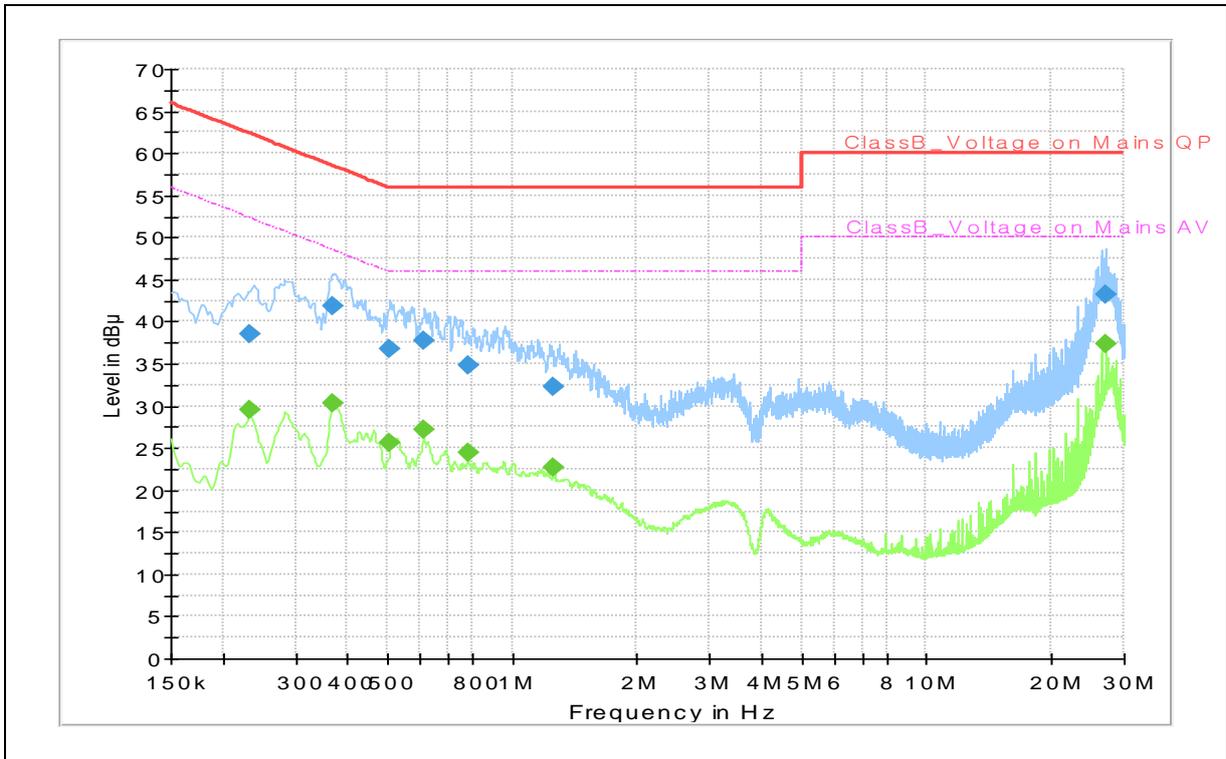
Note 1) Two graphs measured for both Live(L1) and Neutral(N) of the LISN are combined into one graph.

QP / CAV final measurement results table:

Frequency (MHz)	QP (dBµV)	CAV (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.240	---	34.4	52.1	17.7	L1	9.8
0.240	45.3	---	62.1	16.8	L1	9.8
0.290	44.7	---	60.5	15.8	L1	9.8
0.290	---	36.9	50.5	13.6	L1	9.8
0.371	---	37.2	48.5	11.3	N	10.2
0.371	48.5	---	58.5	10.0	N	10.2
0.443	46.3	---	57.0	10.7	L1	10.1
0.443	---	33.1	47.0	13.9	L1	10.1
0.485	---	37.5	46.3	8.8	L1	10.1
0.485	46.7	---	56.3	9.6	L1	10.1
0.539	---	35.3	46.0	10.7	L1	10.1
0.539	44.6	---	56.0	11.4	L1	10.1
0.625	41.9	---	56.0	14.1	N	10.2
0.625	---	32.1	46.0	13.9	L1	10.0
0.962	---	28.9	46.0	17.1	N	10.0
0.962	41.4	---	56.0	14.6	N	10.0
1.302	37.8	---	56.0	18.2	N	10.0
1.302	---	28.3	46.0	17.7	N	10.0

Note 2) Level (QP and/or CAV) = Meter Reading (QP and/or CAV) + Corr. (LISN Insertion Loss + Cable Loss)
 Margin (QP and/or CAV) = Limit – Level (QP and/or CAV)
 QP = Quasi-Peak, CAV = CISPR-Average, Corr. = Correction Factor

Operating Mode 3: AC Mains



Note 1) Two graphs measured for both Live(L1) and Neutral(N) of the LISN are combined into one graph.

QP / CAV final measurement results table:

Frequency (MHz)	QP (dBµV)	CAV (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.233	38.6	---	62.3	23.7	N	9.9
0.233	---	29.5	52.3	22.8	N	9.9
0.371	41.8	---	58.5	16.7	N	10.2
0.371	---	30.3	48.5	18.2	N	10.2
0.508	---	25.6	46.0	20.4	N	10.2
0.508	36.7	---	56.0	19.3	N	10.2
0.611	37.8	---	56.0	18.2	N	10.2
0.611	---	27.2	46.0	18.8	N	10.2
0.785	34.9	---	56.0	21.1	N	10.1
0.785	---	24.5	46.0	21.5	N	10.1
1.264	32.3	---	56.0	23.7	N	10.0
1.264	---	22.6	46.0	23.4	N	10.0
27.159	43.2	---	60.0	16.8	N	10.8
27.159	---	37.3	50.0	12.7	L1	10.6

Note 2) Level (QP and/or CAV) = Meter Reading (QP and/or CAV) + Corr. (LISN Insertion Loss + Cable Loss)
 Margin (QP and/or CAV) = Limit – Level (QP and/or CAV)
 QP = Quasi-Peak, CAV = CISPR-Average, Corr. = Correction Factor

5.2 Radiated disturbance

The following data lists the significant emission frequencies, measured levels, correction factors (for antenna and cables), orientation of table, polarization and height of antenna, the corrected reading, the limit, and the amount of margin.

Peak measurements were made over the changeable frequency range 30 MHz to 1 GHz at a measurement distance of 10 m for the following antenna and turntable arrangements:

Antenna Height [cm]	Antenna Polarisation	Resolution Bandwidth [kHz]	Video Bandwidth [kHz]	Turntable position [degrees]
100 ~ 400	Horizontal, Vertical	120	300	Continuous

Measurements within 6 dB of the limit were then maximized by adjusting turntable position. Final measurements were made using quasi-peak detector.

Peak/CISPR-Average measurements were made over the changeable frequency range 1 GHz to 40 GHz or 5th harmonics of the highest frequency generated or used in the device or on which the device operate or tunes at a measurement distance of 3 m for the following antenna and turntable arrangements. The measurements above 1 GHz were performed with the bore-sighting antenna aimed at the EUT.

Antenna Height [cm]	Antenna Polarisation	Resolution Bandwidth [MHz]	Video Bandwidth [MHz]	Turntable position
100 ~ 400	Horizontal, Vertical	1	3	Continuous

Measurements within 6 dB of the limit were then maximized by adjusting turntable position. Final measurements were made using peak and CISPR-average detectors.

Limits for radiated disturbance of Class B ITE at a measuring distance of 3 m and 10 m

Frequency range Limits [MHz]	Field Strength		
	3 m [μ V/m]	3 m [dB(μ V/m)]	10 m [dB(μ V/m)]
30 to 88	100	40.0	29.5
88 to 216	150	43.5	33.0
216 to 960	200	46.0	35.5
Above 960	500	54.0	43.5

Note) Distance correction formula from $D_1(3m)$ to $D_2(10m)$
: Limit at $D_2 = \text{Limit at } D_1 + 20\text{Log}(D_1 / D_2)$

Results checked manually; and points close to the limit line were re-measured.

5.2.1 Test instrumentation

EMC No.	Test Instrument	Model name	Manufacturer	Serial No.	Calibration	
					Date	Interval (Month)
E5I-021	EMI Test Receiver	ESU40	R&S	100376	2019-01-30	12
E5I-016	EMI Test Receiver	ESU8	R&S	100482	2019-05-29	12
E5I-072	BiLog Antenna	CBL6112D	TESEQ	36009	2018-04-23	24
E5I-120	BiLog Antenna	CBL6112D	TESEQ	36997	2018-04-23	24
E5I-073	Preamplifier	310N	SONOMA	332016	2019-05-09	12
E5I-074	Preamplifier	310N	SONOMA	332017	2019-05-09	12
E5I-149	Horn Antenna	HF907	R&S	102525	2018-06-15	24
E5I-039	Signal Conditioning Unit	SCU-18	R&S	10211	2019-01-23	12
E5I-037	WideBand Horn Antenna	WBH 18-40K	R&S	11201	2019-01-31	24
E5I-042	Signal Conditioning Unit	SCU-40A	R&S	10004	2019-09-11	12
-	Test software	EP7RE	TOYO	Ver 5.8.2	-	-
-	Test software	EMC32	R&S	Ver 9.25.00	-	-

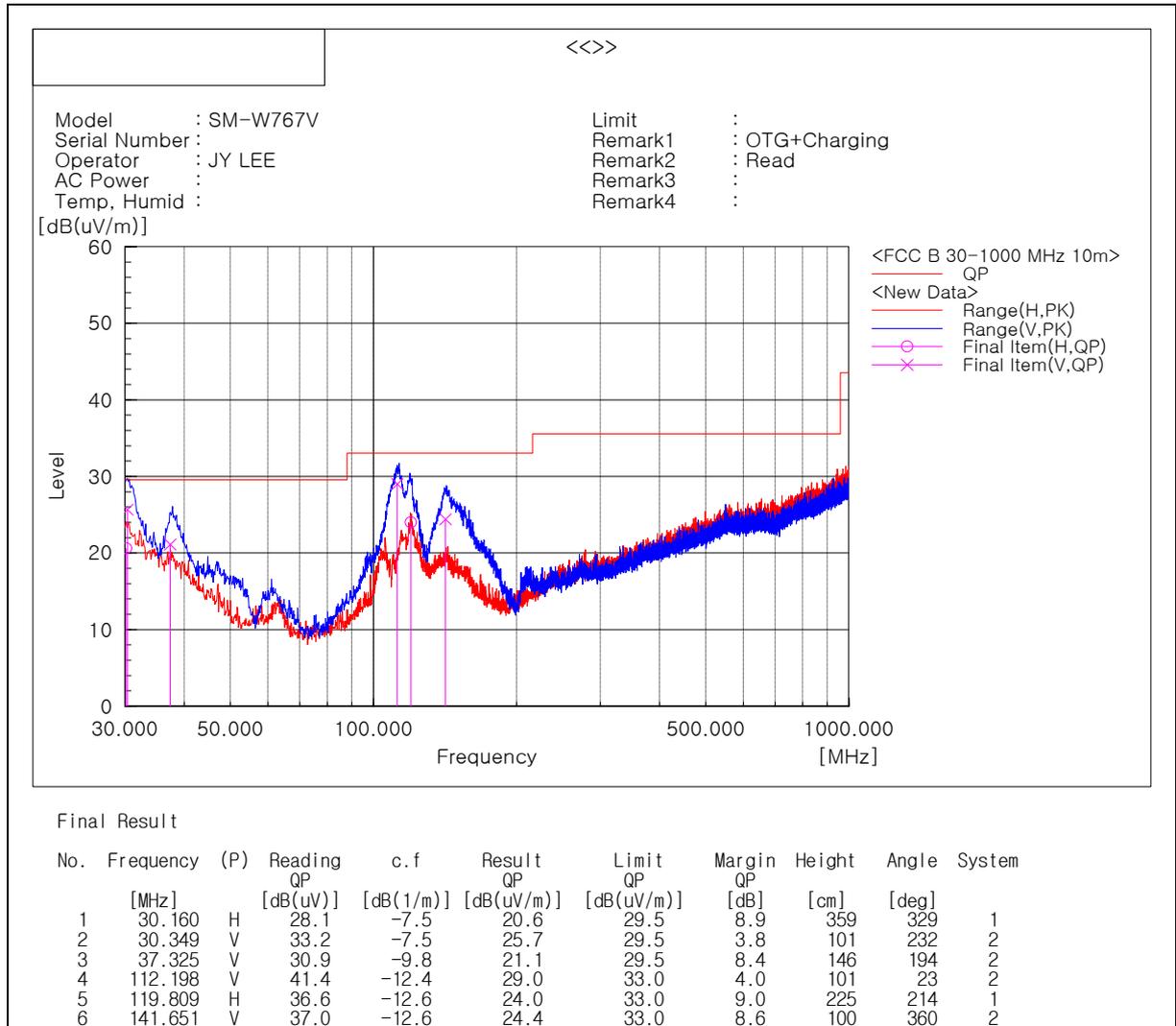
5.2.2 Temperature and humidity condition

Test date	2019-09-09, 2019-09-16 / 2019-09-18	Test engineer	Ji Yeon Lee
Climate condition	Ambient temperature	(21.7 ~ 22.3) °C	Limit (15.0 to 35.0) °C
	Relative humidity	(48.1 ~ 49.7) % R.H.	Limit (25.0 to 75.0) % R.H.
	Atmospheric pressure	(100.3 ~ 100.6) kPa	Limit (86.0 to 106.0) kPa
Test place	Semi-Anechoic Chamber (SAC4)		

5.2.3 Test results

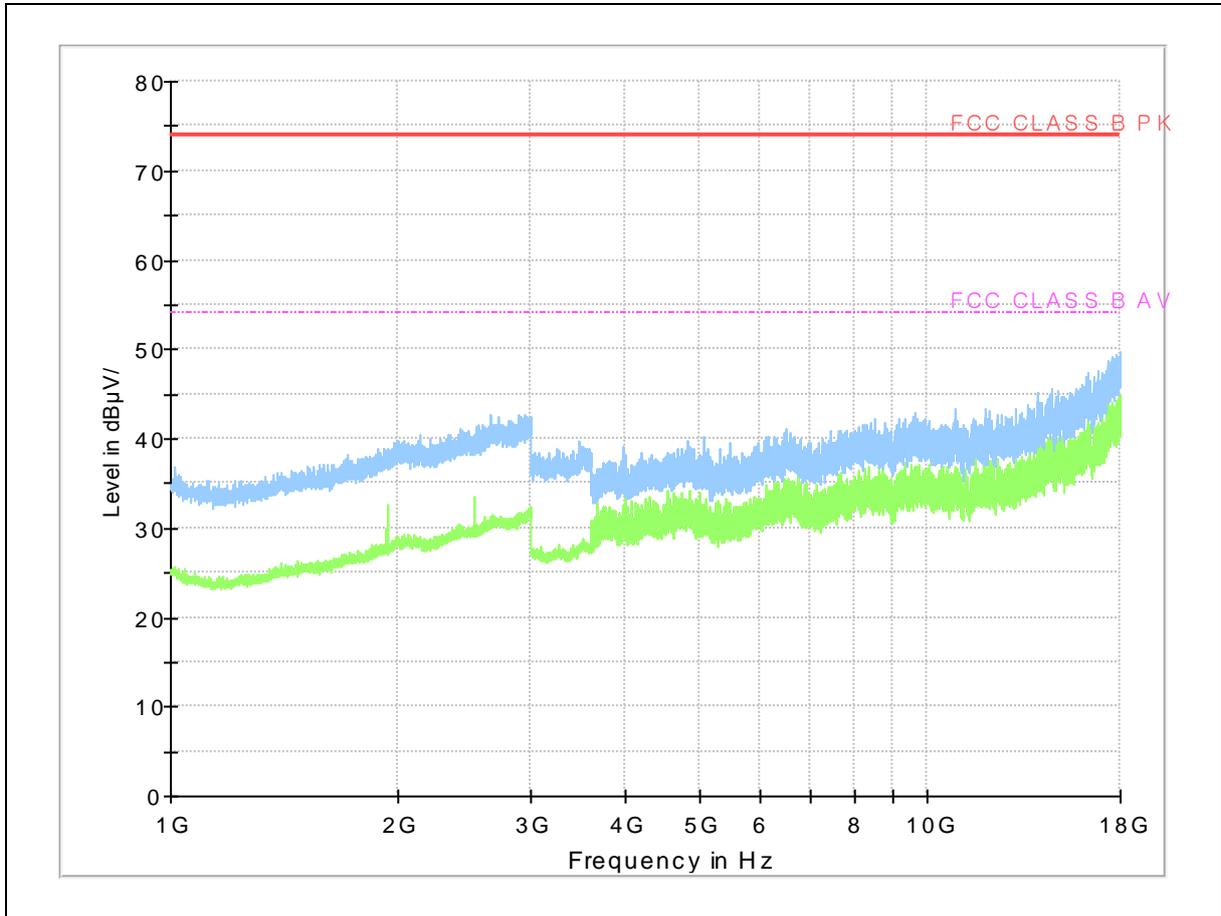
Operating Mode 1

- Frequencies below 1 GHz



Note1) Receiving antenna polarization : Horizontal, Vertical
 Test Distance : 10 m, Antenna Height : 1 to 4 meters
 Result (QP) = Reading (QP) + c.f (Antenna Factor + Cable Loss - Amp. Gain)
 Margin (QP) = Limit - Level (QP)
 QP = Quasi-Peak, c.f = Correction Factor

- Frequencies above 1 GHz



Note 1) We have also tested from 18 GHz to 30 GHz and found no emissions

Note 2) Receiving antenna polarization : Horizontal, Vertical

Test Distance : 3 m, Antenna Height : 1 to 4 meters

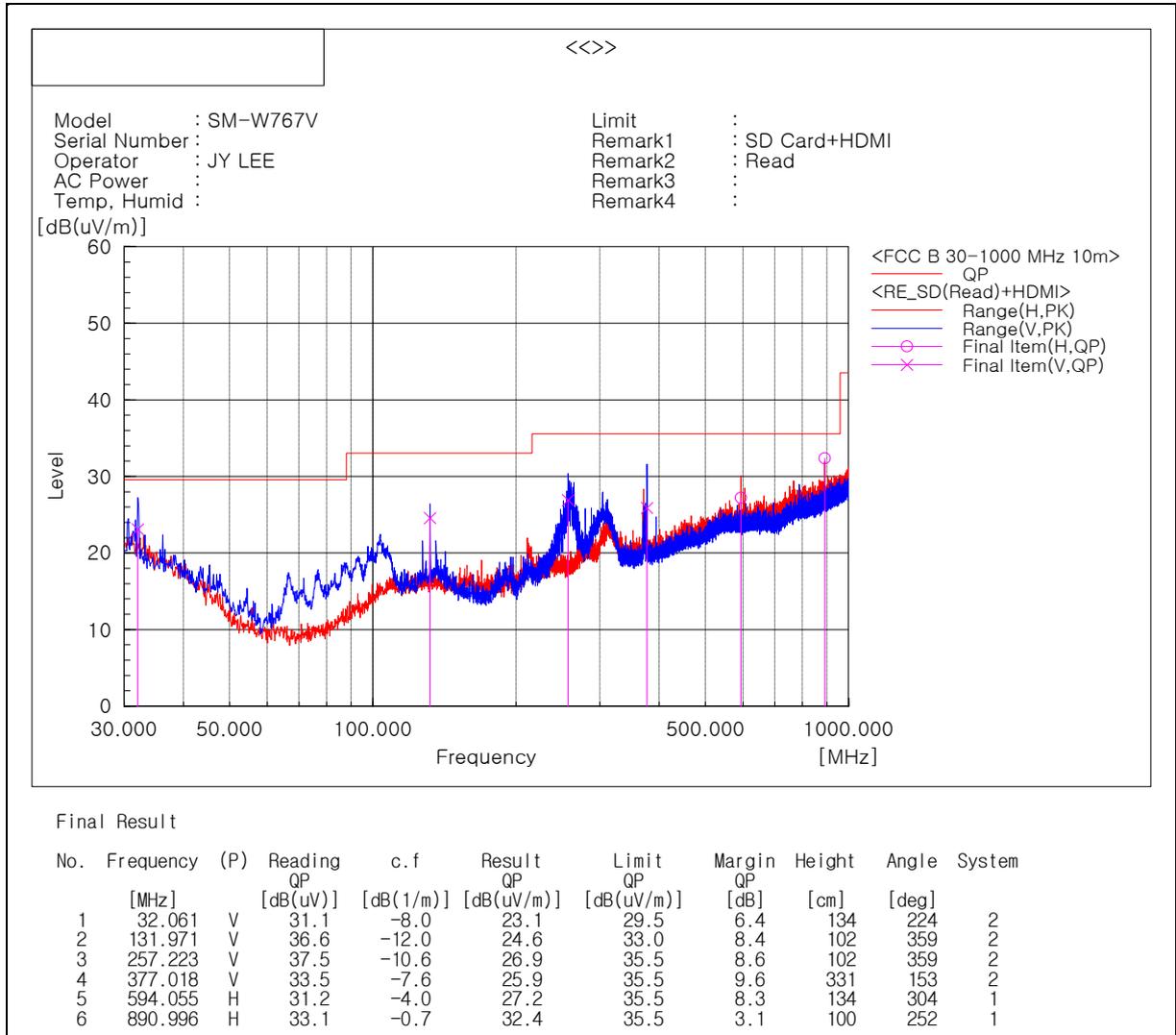
Level (PK and/or CAV) = Reading (PK and/or CAV) + Corr. (Antenna Factor + Cable Loss - Amp. Gain)

Margin (PK and/or CAV) = Limit – Level (PK and/or CAV)

PK = Peak, CAV = CISPR-Average, Corr. = Correction Factor

Operating Mode 2

- Frequencies below 1 GHz



Note1) Receiving antenna polarization : Horizontal, Vertical

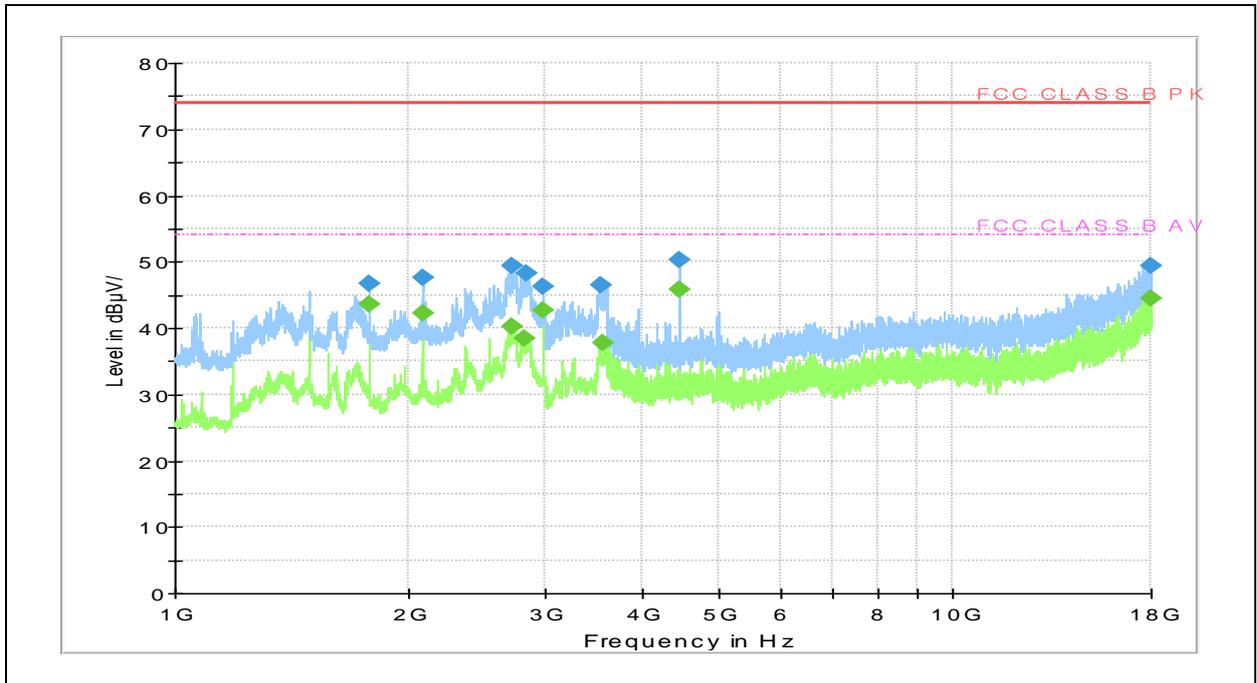
Test Distance : 10 m, Antenna Height : 1 to 4 meters

Result (QP) = Reading (QP) + c.f (Antenna Factor + Cable Loss - Amp. Gain)

Margin (QP) = Limit - Level (QP)

QP = Quasi-Peak, c.f = Correction Factor

- Frequencies above 1 GHz



Frequency (MHz)	PK (dBµV/m)	CAV (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1 782.000	46.8	---	74.0	27.2	120.0	H	218.0	10.9
1 782.000	---	43.5	54.0	10.5	111.0	V	243.0	10.9
2 079.200	---	42.3	54.0	11.7	256.0	H	247.0	13.0
2 079.200	47.6	---	74.0	26.4	242.0	H	247.0	13.0
2 718.800	49.4	---	74.0	24.6	341.0	H	188.0	15.7
2 720.800	---	40.3	54.0	13.7	310.0	H	188.0	15.7
2 810.400	---	38.4	54.0	15.6	100.0	V	148.0	15.5
2 836.400	48.3	---	74.0	25.7	113.0	H	124.0	15.6
2 970.000	---	42.8	54.0	11.2	180.0	V	214.0	16.5
2 970.000	46.3	---	74.0	27.7	163.0	H	202.0	16.5
3 533.500	46.5	---	74.0	27.5	112.0	H	128.0	2.0
3 545.500	---	37.7	54.0	16.3	182.0	H	128.0	2.0
4 454.500	---	45.7	54.0	8.3	100.0	V	241.0	4.9
4 454.500	50.2	---	74.0	23.8	109.0	V	241.0	4.9
17 955.000	---	44.4	54.0	9.6	193.0	H	43.0	34.6
17 975.000	49.3	---	74.0	24.7	115.0	V	13.0	34.9

Note 1) We have also tested from 18 GHz to 30 GHz and found no emissions

Note 2) Receiving antenna polarization : Horizontal, Vertical

Test Distance : 3 m, Antenna Height : 1 to 4 meters

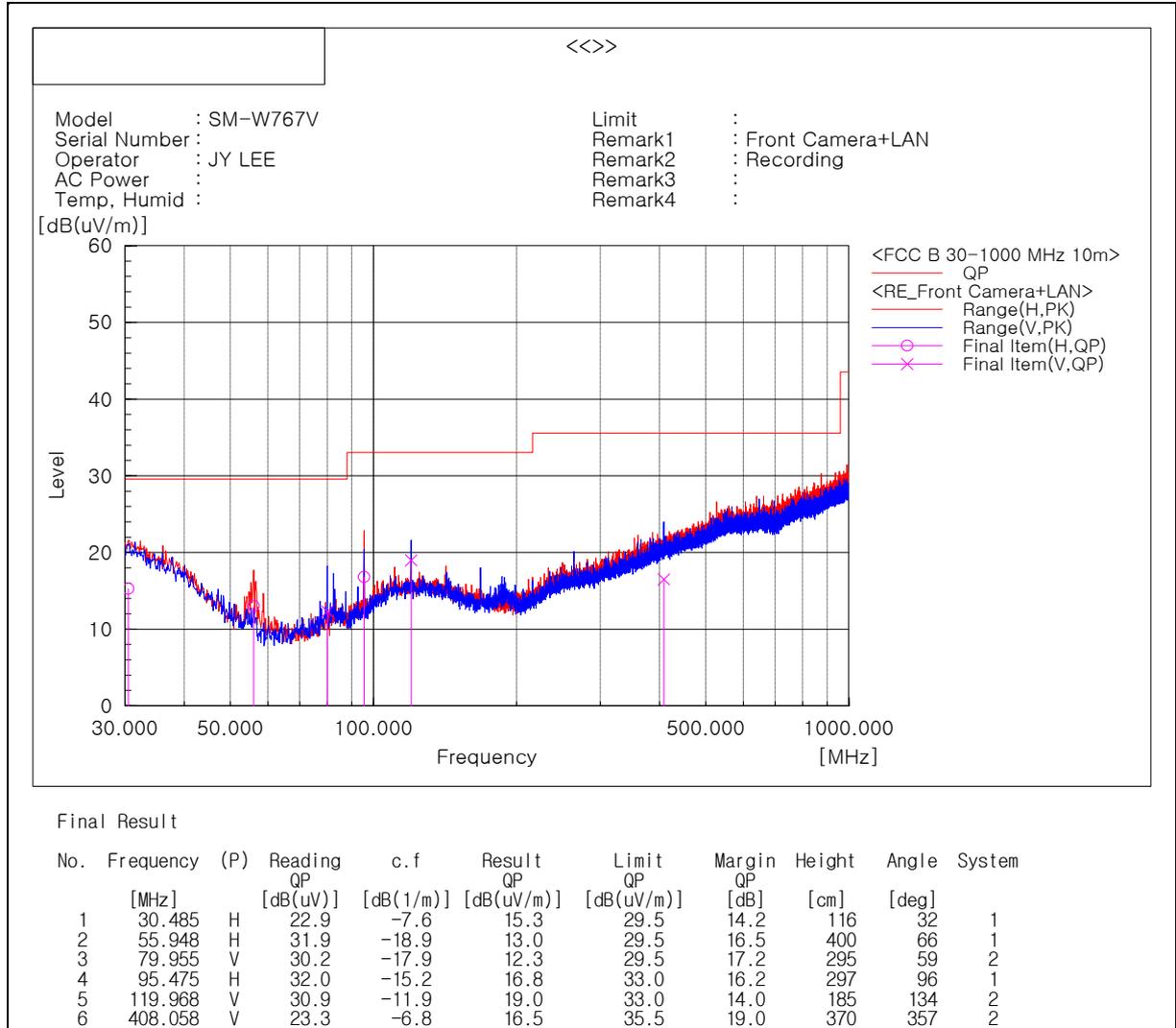
Level (PK and/or CAV) = Reading (PK and/or CAV) + Corr. (Antenna Factor + Cable Loss - Amp. Gain)

Margin (PK and/or CAV) = Limit – Level (PK and/or CAV)

PK = Peak, CAV = CISPR-Average, Corr. = Correction Factor

Operating Mode 3

- Frequencies below 1 GHz



Note1) Receiving antenna polarization : Horizontal, Vertical

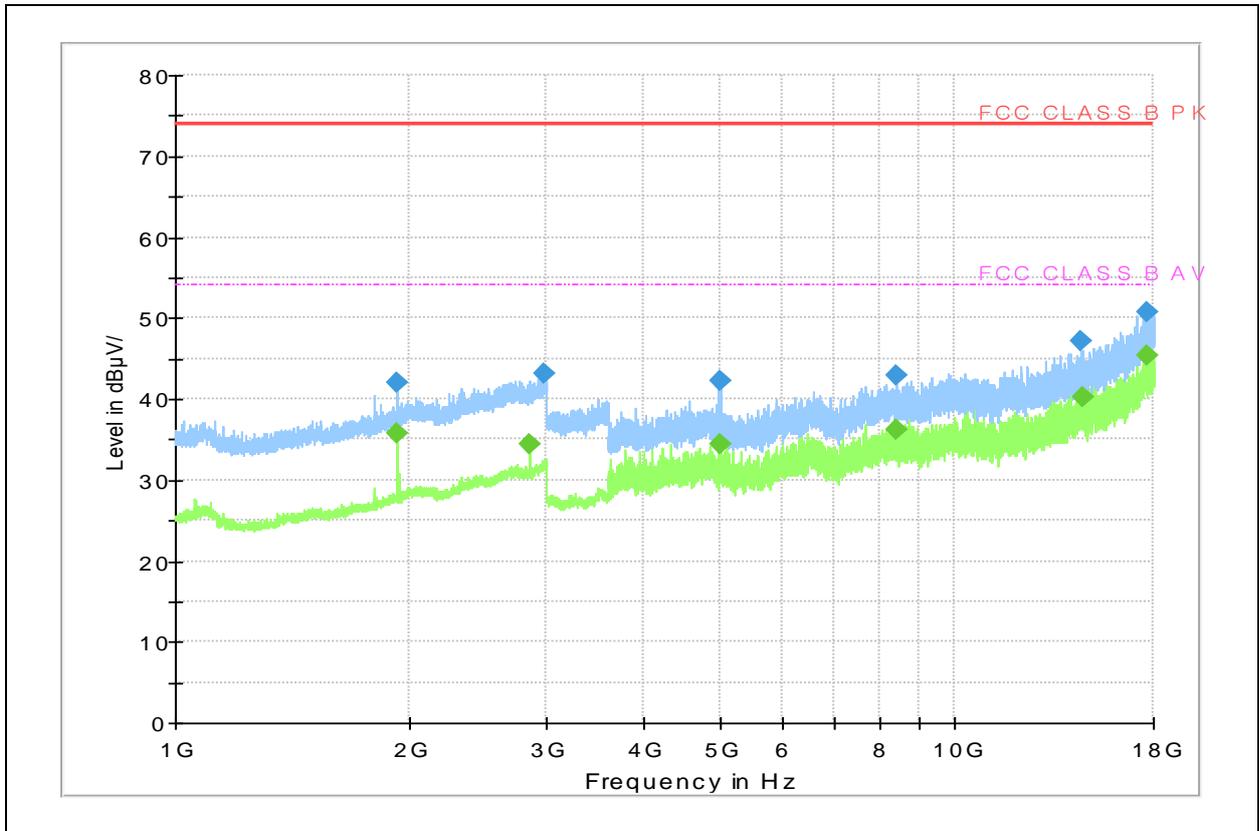
Test Distance : 10 m, Antenna Height : 1 to 4 meters

Result (QP) = Reading (QP) + c.f (Antenna Factor + Cable Loss - Amp. Gain)

Margin (QP) = Limit - Level (QP)

QP = Quasi-Peak, c.f = Correction Factor

- Frequencies above 1 GHz



Frequency (MHz)	PK (dBµV/m)	CAV (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1 924.000	---	35.7	54.0	18.3	124.0	H	196.0	12.1
1 924.000	41.9	---	74.0	32.1	160.0	H	196.0	12.1
2 842.000	---	34.5	54.0	19.5	185.0	H	0.0	15.7
2 968.800	43.0	---	74.0	31.0	106.0	V	269.0	16.5
4 995.500	---	34.4	54.0	19.6	113.0	V	358.0	6.4
4 998.500	42.2	---	74.0	31.8	245.0	H	48.0	6.4
8 413.500	42.9	---	74.0	31.1	298.0	H	67.0	13.7
8 440.000	---	36.2	54.0	17.8	131.0	H	138.0	13.7
14 550.000	47.1	---	74.0	26.9	106.0	V	315.0	26.7
14 607.500	---	40.3	54.0	13.7	112.0	V	115.0	27.3
17 724.000	---	45.3	54.0	8.7	192.0	V	341.0	34.5
17 724.000	50.8	---	74.0	23.2	184.0	V	341.0	34.5

Note 1) We have also tested from 18 GHz to 30 GHz and found no emissions

Note 2) Receiving antenna polarization : Horizontal, Vertical

Test Distance : 3 m, Antenna Height : 1 to 4 meters

Level (PK and/or CAV) = Reading (PK and/or CAV) + Corr. (Antenna Factor + Cable Loss - Amp. Gain)

Margin (PK and/or CAV) = Limit – Level (PK and/or CAV)

PK = Peak, CAV = CISPR-Average, Corr. = Correction Factor