Project No.	LBE20200396	Issue No. 0			
	Name of organization	Samsung Electronics Co., Ltd.			
Applicant	Address	(Maetan-dong) 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea			
	Date of application	April 08, 2020			
	Type of device	 All other Receivers subject to part15 Class B Personal Computers and peripherals Other Class B digital devices and peripherals FM Broadcast Receiver 			
	Equipment authorization	Certification Supplier's Declaration of Conformit	у		
	FCC ID	A3LSMA217M .			
	Kind of product	Mobile Phone			
EUT	Model No.	SM-A217M/DS			
	Variant Model No.	Refer to clause 4.6			
	Manufacturer	Samsung Electronics Vietnam Co., Ltd.(SEV) Yen Phong Industrial Zone 1, Yen Trung, Yen Phong, Ba Ninh, Viet Nam Samsung Electronica da Amazonia Ltda. (SEDA-M) POSTAL CODE: 69075-842 AV. DOS OITIS, 1460, DISTRITO INDUSTRIAL, MANAUS-AM, BRAZIL Samsung Electronica da Amazonia Ltda. (SEDA-C) POSTAL CODE: 13097-105 AV. Thomas Nilsen Junior 150 predio A Pg Imperador Campinas Sao			
Applied Sta	andards	47 CFR Part 15, Subpart B, Class B / ANSI C63.4-2	2014		
Test Perio	d	April 08, 2020 ~ April 13, 2020			
Issue date		April 13, 2020			
The equi	t : Complied pment under test has found the attached test result for	to be compliant with the applied standards. more detail.)			
Tested by	: Sung-Wook Choi W. Cho-	Reviewed by : Sun-Ho Kim			
		tested sample. This report must not be reproduced, except	A 1		

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1. Report Information

1.1 Revision history

No.	Date of Issue	Revised detailed information
Issue 0	13 April 2020	There are no revisions and this version is basic test report.

* Remark

Compliance with Part 15B requirements for the receiver part of the licensed transmitter (equipment code CXX) is covered by other 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
	Conducted Disturbance (Mains port)	47 CFR Part 15 Subpart B / ANSI C63.4-2014	Complied
	Radiated Disturbance	(Class B)	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 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. Manufactor / Tradema		FCC ID	
Α	Mobile Phone	SM-A217M/DS	-	SAMSUNG	A3LSMA217M	
В	Battery	EB-BA217ABY	-	SAMSUNG	-	
С	Headset	EHS61ASFBE	-	SAMSUNG	-	
D	Data Cable	EP-DR140ABE	-	SAMSUNG	-	
E	Micro SD Card	64GB	-	SAMSUNG	-	
F	Laptop Computer	Latitude5580	1CHRYM2	Dell	DoC	
			D3HRYM2	Dell	DoC	
G	Laptop	LA65NM130	5D77	Dell	DoC	
G	AC Adapter		5B3C	Dell	DoC	
	Mouse	Mouse AA-SM7PCP	CN57BA5903634ADV 8JJCD4371	SAMSUNG	DoC	
H			CNBA5903634ADV8J 31O3050	SAMSUNG	DoC	
	Doutor		RF0F1D8011501	D-Link	DoC	
	Router	DIR-806A	RF0F1D8011504	D-Link	DoC	
J	Travel Adapter	EP-TA200	R37M9NVQCX1SE3	SAMSUNG	-	

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	Camera (rear) + Charging (w/ TA) + Cellular receiver (GSM850 Center Frequency) + FM (Low Ch.)
2	Camera (front) + Charging (w/ TA) + FM (Mid Ch.)
3	Charging (w/TA) + FM (High Ch.)
4	Video + Audio playback from internal memory data + Charging (w/ TA)
5	USB Data Communication with PC (from external memory data)

4.2.2 Radiated Emission

No.	Operating mode
1	Camera (rear) + Charging (w/ TA) + FM (Low Ch.)
2	Camera (front) + FM (Mid Ch.)
3	FM (High Ch.)
4	Video + Audio playback from internal memory data
5	USB Data Communication with PC (from external memory data)

4.3 Details of Sampling

Customer selected, single unit.

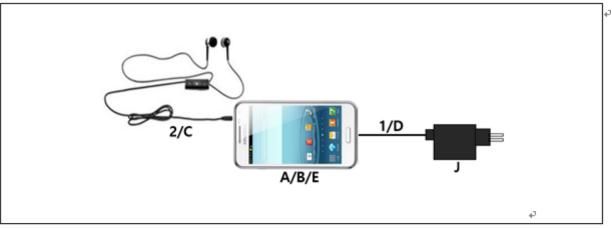
4.4 Used cable description

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:

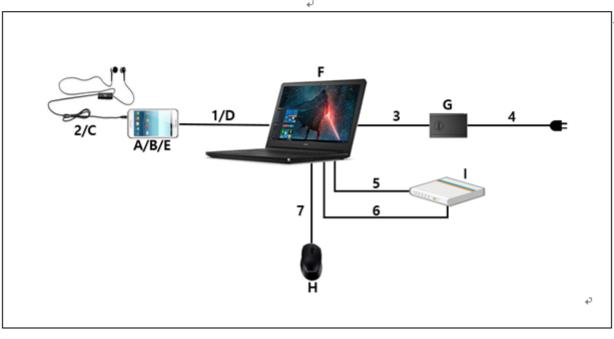
No.	Connected cable	Length [m]	Shielded [Y/N]	Note	
1	Data Cable	0.8	Y	From EUT to Laptop Computer	
2	Headset	1.6	N	For EUT	
3	Power	1.8	N	From Laptop Computer to AC Adapter	
4	Power	1.5	N	For Laptop AC Adapter	
5	LAN	1.5	N	From Laptop Computer to Router	
6	USB	0.8	Y	From Laptop Computer to Router for DC Power	
7	USB	1.8	Y	From Laptop Computer to Mouse	

4.5 Test arrangement

4.5.1 Conducted Emission

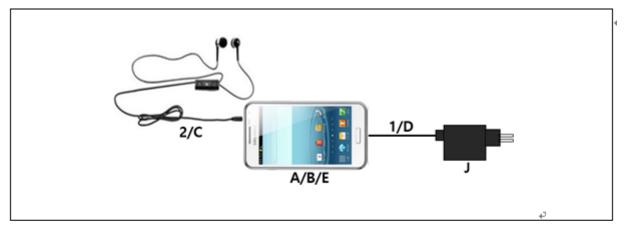


[Mode 1 - 4].

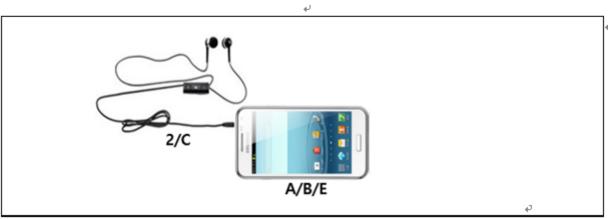


[Mode 5]

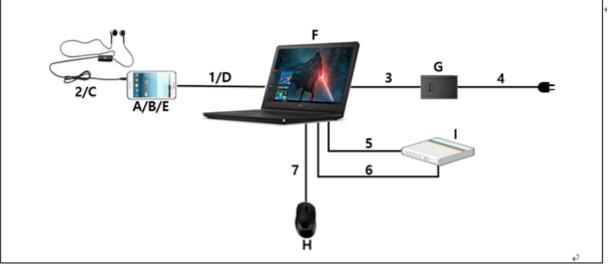
4.5.2 Radiated Emission



[Mode 1].



[Mode 2 - 4].



[Mode 5].

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4.6 EUT Description

The EUT is a bar type Mobile Phone which can operate on GSM 850/900/1800/1900, WCDMA FDD1/2/4/5/8, LTE FDD1/2/3/4/5/7/8/12/17/20/28/66, LTE TDD38/40/41 and incorporate Bluetooth, Wi-Fi, GNSS, FM Radio, Camera, Audio and Video.

4.6.1 The variant models

- SM-A217M

4.7 EUT Frequencies

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

4.8 Test configuration and condition

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 GSM850 RX Test mode at center frequency. All licensed communication Cellular RX mode, GSM/WCDMA/LTE, test results are not significantly different.

The FM radio mode radiated testing was performed with the Low/Mid/High channel.

The video and music were repetitively played connected to the earphone.

The camera of the EUT was operated continuously.

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	Horizontal	4.99 dB
(Below 1 GHz)	Vertical	4.95 dB
Radiated Disturbance	Horizontal	5.13 dB
(Above 1 GHz)	Vertical	5.12 dB

* Remark

1) The values for uncertainty of conducted and radiated emissions are less than the Corresponding values of Ucispr given in CISPR 55016-4-2. Therefore no adjustment of measurement results is necessary when comparing them with the relevant limits.

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.

Frequency range Limits	Resolution Bandwidth	Limits [dB(µV)]			
[MHz]	[kHz]	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.					

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

5.1.1 Test instrumentation

EMC No.	Test Instrument	Model name	Manufacturer	Serial No.	Next Calibration	
					Date	Interval (Month)
E5I-022	Signal Generator	SMB100A	R&S	175856	2020-05-13	12
E5I-002	Universal Radio Communicator	CMU200	R&S	100612	2020-08-14	12
E5I-017	EMI Test Receiver	ESU8	R&S	100483	2021-01-20	12
E5I-127	LISN	ENV216	R&S	102061	2020-08-01	12
-	Test software	EMC32	R&S	Ver 9.26.01	-	-

5.1.2 Temperature and humidity condition

Test date	2020-04-13	Test engineer	Sung-Wook Choi	
	Ambient temperature	(22.2 ~ 22.4) °C	Limit (15.0 to 35.0) ℃	
Climate condition	Relative humidity	(40.7 ~ 41.6) % R.H.	Limit (25.0 to 75.0) % R.H.	
	Atmospheric pressure	(101.0 ~ 101.3) kPa	Limit (86.0 to 106.0) kPa	
Test place		Shield Room (SR8)		

5.1.3 Test results

70 65 tage on Mai 60 55 50 45 40 Level in dBµ 35 30 25 20 15 10 5 0 300 400 500 800 1M 3M 4M 5M 6 8 10M 20M 30M 150k 2M Frequency in Hz

□ Operating Mode 1: AC Mains

QP /	CAV	final	measurement	results	table.
	0, 10	mu	mououromon	roouno	labio.

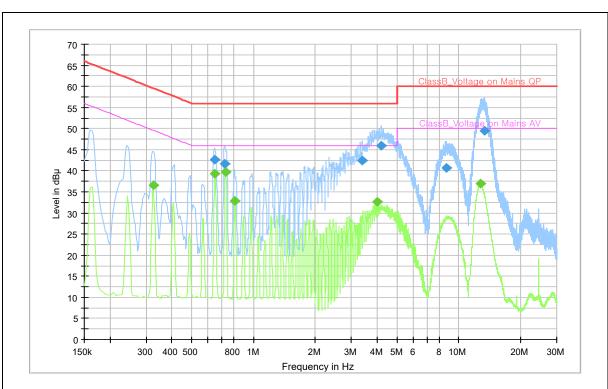
Frequency (MHz)	QP (dBµV)	CAV (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.326		36.5	49.6	13.1	Ν	10.1
0.647	42.6		56.0	13.4	Ν	10.2
0.650		39.5	46.0	6.5	Ν	10.2
0.726	43.8		56.0	12.2	Ν	10.1
0.731		39.8	46.0	6.2	Ν	10.1
3.386	43.6		56.0	12.4	Ν	9.9
3.595		30.5	46.0	15.5	Ν	10.0
3.995		32.0	46.0	14.0	Ν	10.0
4.191	47.0		56.0	9.0	Ν	10.0
8.705	41.5		60.0	18.5	N	10.2
12.507		35.9	50.0	14.1	L1	10.1
13.317	49.7		60.0	10.3	Ν	10.4

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

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

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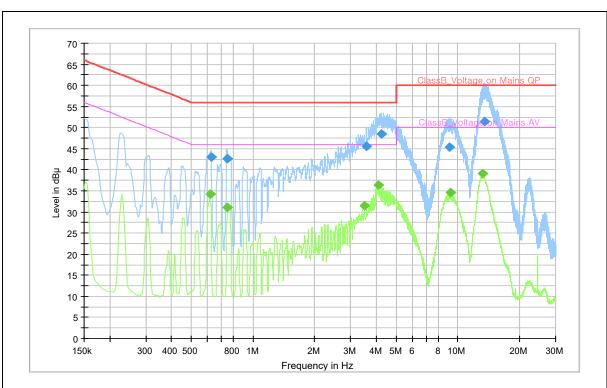
□ Operating Mode 2: AC Mains

QP /	' CAV	final	measurement	results table:
------	-------	-------	-------------	----------------

Frequency (MHz)	QP (dBµV)	CAV (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.326		36.5	49.6	13.1	N	10.1
0.647	42.6		56.0	13.4	N	10.2
0.650		39.2	46.0	6.8	Ν	10.2
0.722	41.6		56.0	14.4	N	10.1
0.733		39.7	46.0	6.3	N	10.1
0.812		32.8	46.0	13.2	N	10.0
3.390	42.4		56.0	13.6	N	9.9
3.989		32.6	46.0	13.4	N	10.0
4.191	46.0		56.0	10.0	N	10.0
8.705	40.7		60.0	19.3	N	10.2
12.824		37.0	50.0	13.0	L1	10.1
13.297	49.5		60.0	10.5	Ν	10.4

Note 1) Two graphs measured for both Live(L1) and Neutral(N) of the LISN are combined into one graph. Note 2) Level (QP and/or CAV) = Meter Reading (QP and/or CAV) + Corr. (LISN Insertion Loss + Cable Loss)

QP = Quasi-Peak, CAV = CISPR-Average, Corr. = Correction Factor



□ Operating Mode 3: AC Mains

Frequency (MHz)	QP (dBµV)	CAV (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.616		34.1	46.0	11.9	N	10.2
0.623	43.0		56.0	13.0	N	10.2
0.746	42.5		56.0	13.5	N	10.1
0.751		31.1	46.0	14.9	N	10.1
3.503		31.6	46.0	14.4	N	10.0
3.577	45.6		56.0	10.4	N	10.0
4.106		36.4	46.0	9.6	N	10.0
4.252	48.5		56.0	7.5	N	10.0
9.107	45.5		60.0	14.5	N	10.2
9.177		34.6	50.0	15.4	N	10.2
13.180		39.2	50.0	10.8	L1	10.2
13.439	51.4		60.0	8.6	Ν	10.4

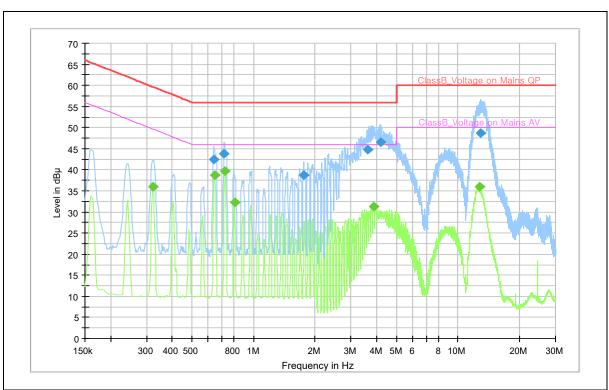
	$\sim \sim $	c			4 - 1 - 1
QP/		tinai	measurement	results	table:

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

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□ Operating Mode 4: AC Mains

QP / CAV final measurement results table:

Frequency (MHz)	QP (dBµV)	CAV (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.323		35.9	49.6	13.7	N	10.1
0.641	42.5		56.0	13.5	N	10.2
0.645		38.6	46.0	7.4	N	10.2
0.719	43.9		56.0	12.1	N	10.1
0.728		39.6	46.0	6.4	N	10.1
0.807		32.2	46.0	13.8	N	10.0
1.763	38.7		56.0	17.3	N	9.9
3.602	44.8		56.0	11.2	N	10.0
3.890		31.2	46.0	14.8	N	10.0
4.171	46.5		56.0	9.5	N	10.0
12.721		36.0	50.0	14.0	N	10.4
12.935	48.6		60.0	11.4	N	10.4

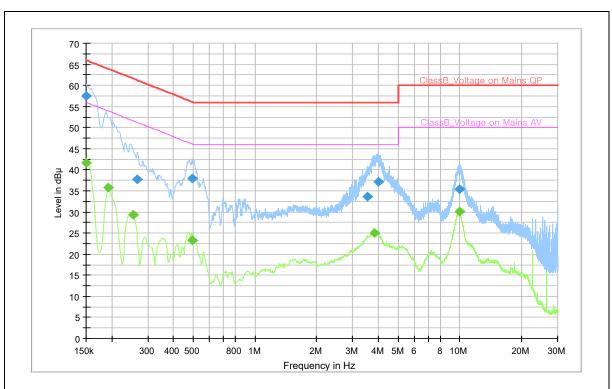
Note 1) Two graphs measured for both Live(L1) and Neutral(N) of the LISN are combined into one graph. Note 2) Level (QP and/or CAV) = Meter Reading (QP and/or CAV) + Corr. (LISN Insertion Loss + Cable Loss)

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

QP = Quasi-Peak, CAV = CISPR-Average, Corr. = Correction Factor

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□ Operating Mode 5: AC Mains

QP / CAV final measurement results table:

Frequency (MHz)	QP (dBµV)	CAV (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.150	57.5		66.0	8.5	N	9.8
0.150		41.7	56.0	14.3	N	9.8
0.193		35.8	53.9	18.1	N	10.0
0.256		29.3	51.6	22.3	L1	9.7
0.267	37.7		61.2	23.5	L1	9.8
0.494		23.3	46.1	22.8	N	10.1
0.494	38.0		56.1	18.1	L1	10.1
3.532	33.6		56.0	22.4	N	9.8
3.845		25.0	46.0	21.0	L1	9.8
3.991	37.1		56.0	18.9	L1	9.8
9.926		30.1	50.0	19.9	L1	9.8
10.010	35.4		60.0	24.6	L1	9.8

Note 1) Two graphs measured for both Live(L1) and Neutral(N) of the LISN are combined into one graph. 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 operates 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	Field Strength				
[MHz]	3 m [µV/m]	3 m [dB(µV/m)]	10 m [dB(µV/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 = Limit at D_1 + 20Log(D_1/D_2)

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

5.2.1 Test instrumentation

EMC No.					Next Calibration	
	Test Instrument	Model name	Manufacturer	Serial No.	Date	Interval (Month)
E5I-022	Signal Generator	SMB100A	R&S	175856	2020-05-13	12
E5I-021	EMI Test Receiver	ESU40	R&S	100376	2021-01-31	12
E5I-016	EMI Test Receiver	ESU8	R&S	100482	2020-05-29	12
E5I-149	Horn Antenna	HF907	R&S	102525	2020-06-15	24
E5I-039	Signal Conditioning Unit	SCU-18	R&S	10211	2021-01-23	12
E5I-037	Wide Band Horn Antenna	WBH 18-40K	R&S	11201	2021-01-31	24
E5I-042	Signal Conditioning Unit	SCU-40A	R&S	10004	2020-09-11	12
E5I-072	BiLog Antenna	CBL6112D	TESEQ	36009	2020-04-23	24
E5I-120	BiLog Antenna	CBL6112D	TESEQ	36997	2020-04-23	24
E5I-073	Preamplifier	310N	SONOMA	332016	2020-05-09	12
E5I-074	Preamplifier	310N	SONOMA	332017	2020-05-09	12
-	Test software	EP7RE	ΤΟΥΟ	Ver 5.8.2	-	-
-	Test software	EMC32	R&S	Ver 9.25.00	-	-

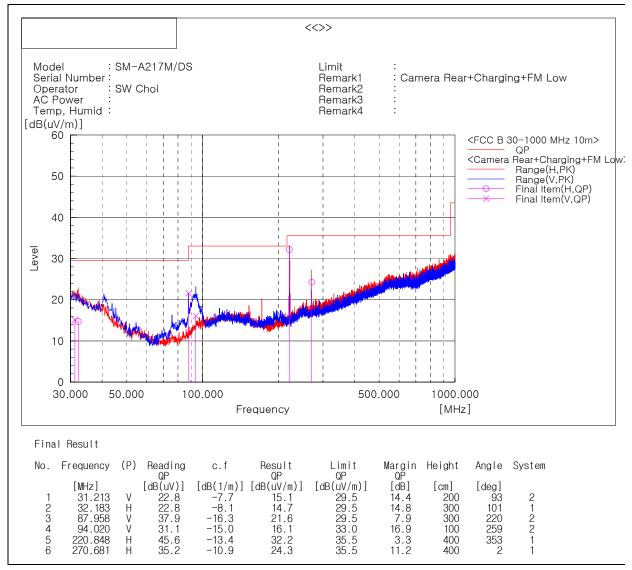
5.2.2 Temperature and humidity condition

Test date	2020-04-08, 2020-04-09	Test engineer	Sung-Wook Choi			
	Ambient temperature	(22.3 ~ 22.5) ℃	Limit (15.0 to 35.0) $^\circ \!$			
Climate condition	Relative humidity	(45.4 ~ 46.2) % R.H.	Limit (25.0 to 75.0) % R.H.			
	Atmospheric pressure	(101.9 ~ 102.1) kPa	Limit (86.0 to 106.0) kPa			
Test place	Semi-Anechoic Chamber (SAC4)					

5.2.3 Test results

□ Operating Mode 1

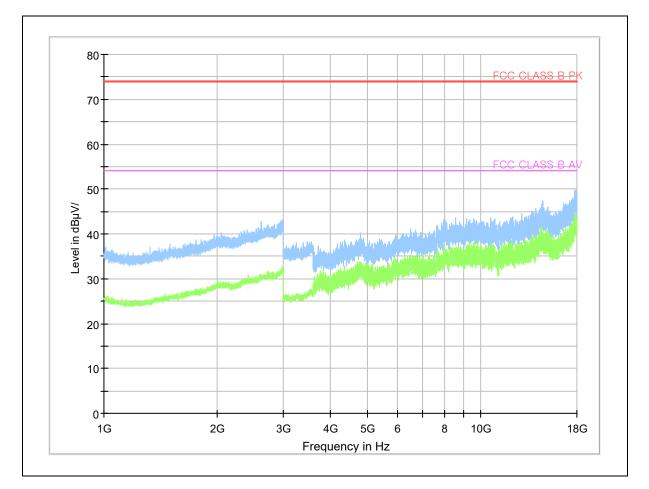
- Frequencies below 1 GHz



* Radiated emissions (Rx frequency 87.958 MHz) from the transceiver shall be ignored

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

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- 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

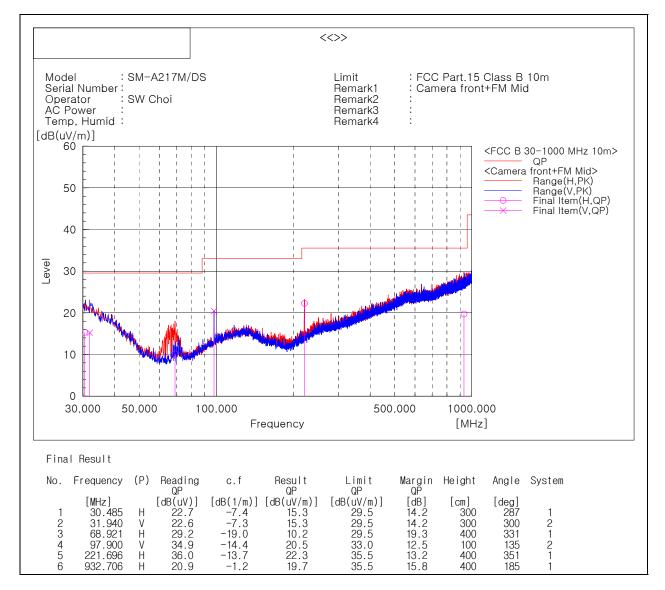
Test Distance : 3 m, Antenna Height : 1 to 4 meters

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

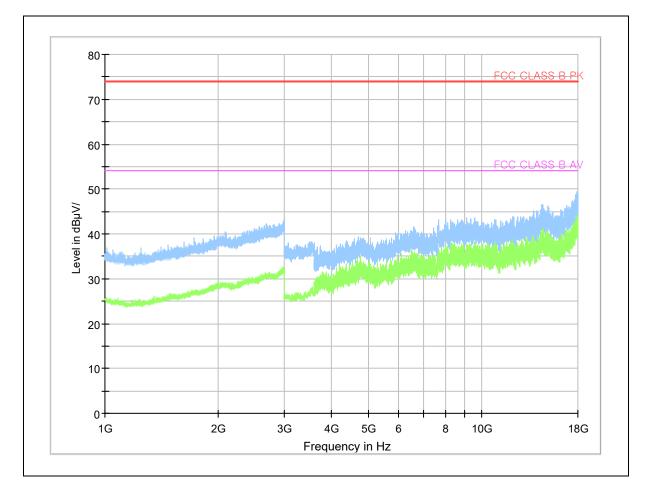


* Radiated emissions (Rx frequency 97.900 MHz) from the transceiver shall be ignored

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

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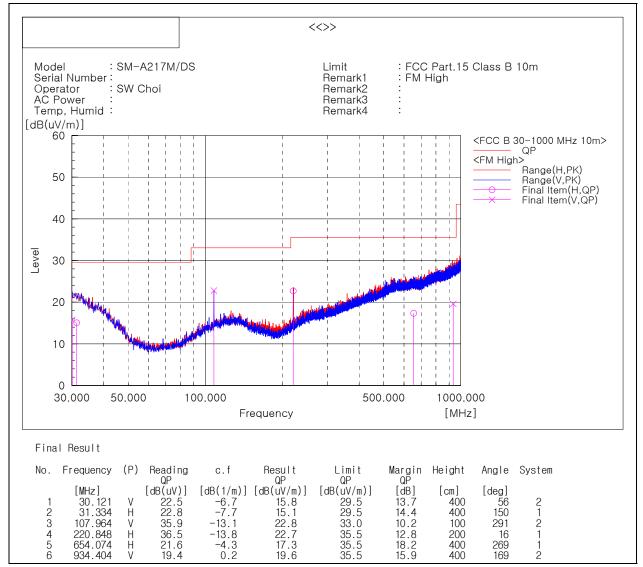
- Frequencies above 1 GHz

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 3

- Frequencies below 1 GHz



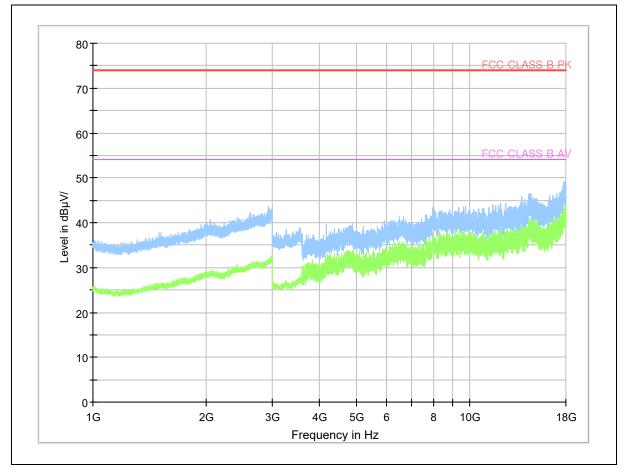
* Radiated emissions (Rx frequency 107.964 MHz) from the transceiver shall be ignored

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

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- Frequencies above 1 GHz

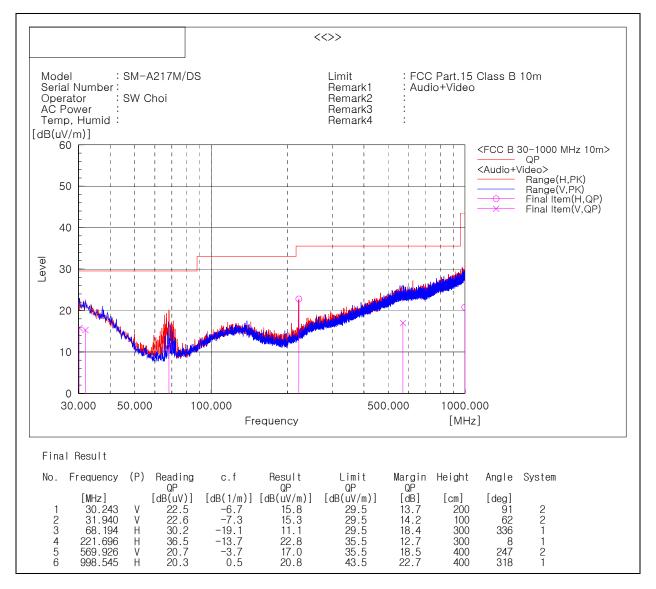
Note 1) We have also tested from 18 GHz to 30 GHz and found no emissions Note 2) Receiving antenna polarization : Horizontal, Vertical

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

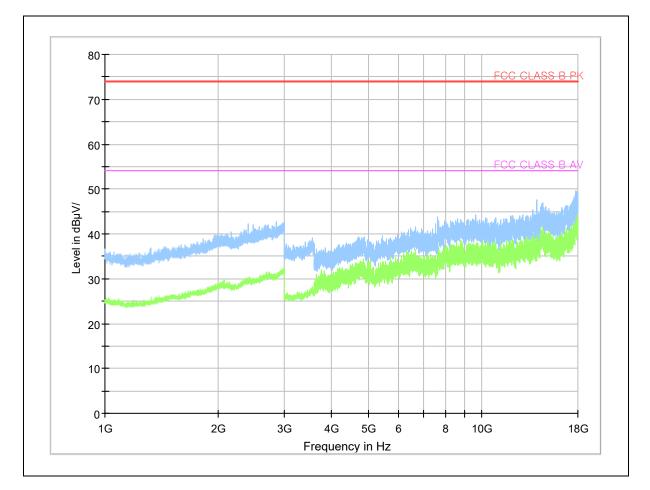
Level (PK and/or CAV) = Reading (PK and/or CAV) + Corr. (Antenna Factor + Cable Loss - Amp. Gain) Margin (PK and/or CAV) = Limit – Level (PK and/or CAV) PK = Peak, CAV = CISPR-Average, Corr. = Correction Factor

□ Operating Mode 4

- 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

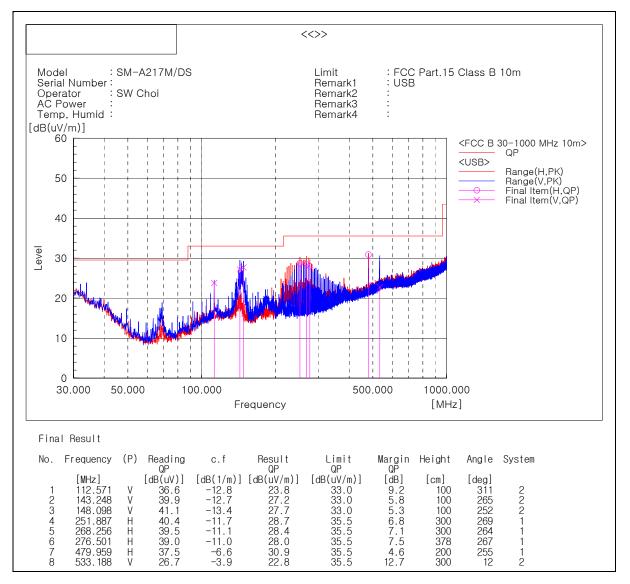
Test Distance : 3 m, Antenna Height : 1 to 4 meters

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 5

- Frequencies below 1 GHz

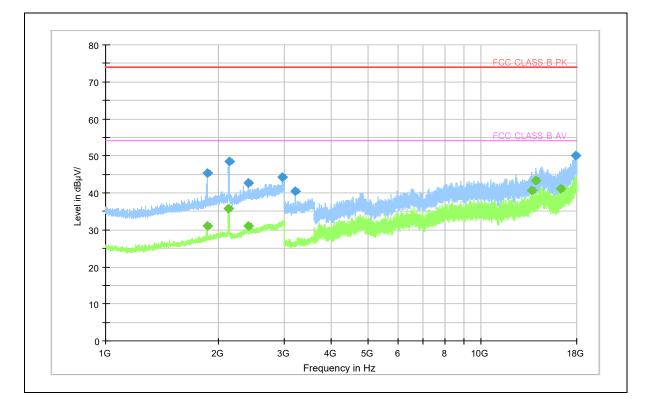


Note1) Receiving antenna polarization : Horizontal, Vertical

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

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Mobile Phone : SM-A217M/DS



- Frequencies above 1 GHz

Frequency (MHz)	ΡK (dBμV/	CAV (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1 864.800	45.4		74.0	28.6	102.0	V	0.0	11.7
1 864.800		31.1	54.0	22.9	106.0	V	0.0	11.7
2 126.000		35.8	54.0	18.2	100.0	V	18.0	12.9
2 132.800	48.5		74.0	25.5	101.0	V	343.0	12.9
2 394.000	42.7		74.0	31.3	103.0	V	334.0	13.7
2 395.600		31.2	54.0	22.8	100.0	V	323.0	13.7
2 961.600	44.3		74.0	29.7	110.0	Н	0.0	16.5
3 197.500	40.4		74.0	33.6	100.0	V	144.0	0.1
13 678.000		40.6	54.0	13.4	100.0	Н	9.0	26.7
14 046.000		43.3	54.0	10.7	105.0	V	33.0	27.5
16 281.500		41.2	54.0	12.8	100.0	V	316.0	29.1
17 838.500	50.0		74.0	24.0	102.0	Н	148.0	35.4

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

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