EMC TEST REPORT

Project No. LBE20201090		Issue No.	1	
	Name of organization	Samsung Elec	etronics Co., Ltd.	
Applicant	Address		129, Samsung-ro, Yeongtong-gu, onggi-do, 16677, Republic of Korea	
	Date of receipt	December 7, 20	020	
	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 Conformity	
	FCC ID	A3LSMA526B		
	Kind of product	Mobile Phone		
	Model No.	SM-A526B/DS		
EUT	Variant Model No.	Refer to clause	4.6	
	Manufacturer	Yenphong 1 - I.P Bac Ninh Provinc Samsung Electron	nics Vietnam Thai Nguyen Co., Ltd. al Zone Pho Ten Dist.,	
		SAMSUNG INDIA ELECTRONICS PVT LTD B-1 Sector-81, Phase-II NOIDA U.P. INDIA		
Applied Sta	andards	47 CFR Part 15	, Subpart B, Class B / ANSI C63.4-2014	
Test Period		December 16, 2020 ~ December 22, 2020		
Issue date		February 1, 2021		
Test result : Complied				
	oment under test has found the attached test result for		with the applied standards.	
Tested by	: Soo-Joon Kim	Review	red by : Sun-Ho Kim	

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Samsung Electronics Co., Ltd., Global CS Center (Maetan dong) 129, Samsung-ro, Yeongtong-Gu, Suwon-Si,Gyeonggi-Do 16677, Korea

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1. Report Information

1.1 Revision history

No.	Date of Issue	Revised detailed information
Issue 0 December 22, 2020 There are no revisions and this version is basi		There are no revisions and this version is basic test report.
Issue 1 February 1, 2021 50		5G NR bands supported by EUT is added in clause 4.6

* 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.

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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				
Α	Mobile Phone	SM-A526B/DS	-	SAMSUNG	A3LSMA526B				
В	Battery	EB-BG781ABY	-	SDI	-				
С	Headset	EHS64AVFWE	-	Cresyn	-				
D	Data Cable	EP-DR140	-	RFTECH	-				
Е	Micro SD Card	64GB	-	SAMSUNG	DoC				
F	Laptop	l otitudo FFOO		Dell	DoC				
F	Computer	Latitude5580	D3HRYM2	Dell	DoC				
	Laptop AC Adapter	Laptop	Laptop	Laptop	Laptop	LA65NM130	5DEA	Dell	DoC
G		AC Adapter LAGSINIVITSO	5B3C	Dell	DoC				
Н	Mouse	AA-SM7PCPB	CN57BA5903634ADV 8JJCD4371	SAMSUNG	DoC				
		SNJ-B138	Z5F8353	SAMSUNG	DoC				
	Davidan	DID 000A	RF0F1D8018454	D-Link	DoC				
'	Router	DIR-806A	RF0F1D8011504	D-Link	DoC				
J	Travel Adapter	EP-TA200	R37N6K39M02SE3	SOLU-M	-				

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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 (LTE B26 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.

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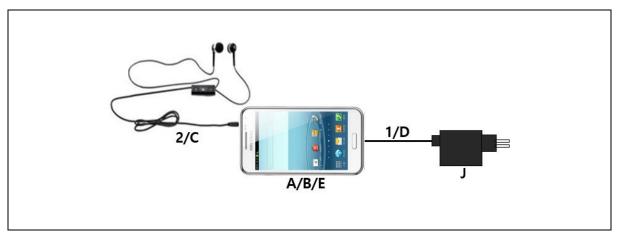
4.4 Used cable description

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:

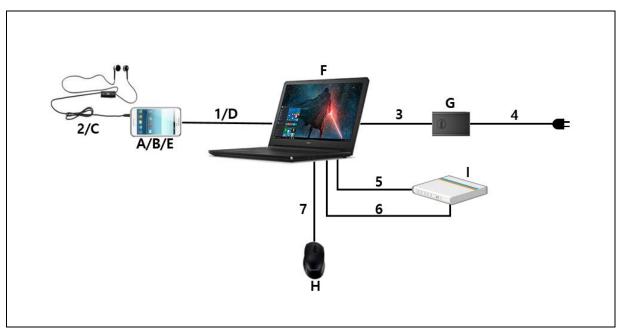
No.	Connected cable	Length [m]	Shielded [Y/N]	Note	
1	Data Cable	0.8	Y	From EUT to Laptop Computer or TA	
2	Headset	1.2	N	For EUT	
3	Power	1.8	N	From Laptop Computer to AC Adapter	
4	Power	1.5	N	For Laptop AC Adapter	
5	LAN	1.5	N	From Laptop Computer to Router	
6	USB	0.8	Y	From Laptop Computer to Router for DC Power	
7	USB	1.8	Y	From Laptop Computer to Mouse	

4.5 Test arrangement

4.5.1 Conducted Emission

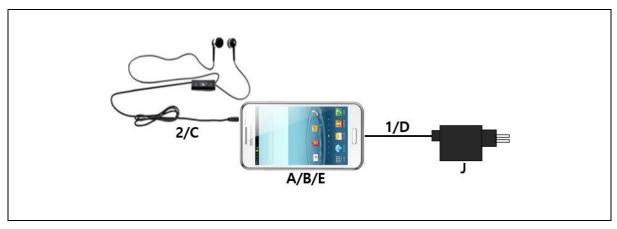


[Mode 1 - 4]

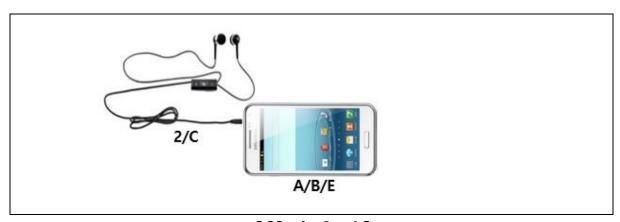


[Mode 5]

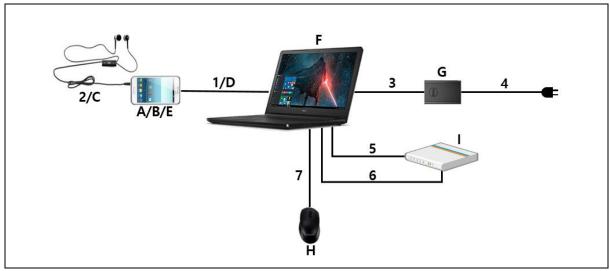
4.5.2 Radiated Emission



[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 GSM850/900/1800/1900, WCDMA FDD1/2/4/5/8, LTE FDD 1/2/3/4/5/7/8/12/17/20/26/28/32/66, LTE TDD 38/40/41, 5G NR n1/3/5/7/8/20/28/38/40/41/66/78 and incorporates a Bluetooth, Wi-Fi, Camera, FM Radio, GNSS, NFC, Audio and Video.

4.6.1 The variant models

- SM-A526B

4.7 EUT Frequencies

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

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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.

RX mode(850MHz) testing was performed with the LTE FDD26 RX Test mode at center frequency. All licensed communication (850MHz) 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 audio were repetitively played with earphone connected.

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. Approximately 95 %, <i>k</i> = 2)	
Conducted disturbance	AC Mains	2.83 dB
Radiated Disturbance	Horizontal	4.08 dB
(Below 1 GHz)	Vertical	4.58 dB
Radiated Disturbance	Horizontal	5.21 dB
(Above 1 GHz)	Vertical	5.22 dB

^{*} Remark

1) The values for uncertainty of conducted and radiated emissions are less than the Corresponding values of Ucispr given in CISPR 16-4-2. Therefore no adjustment of measurement results is necessary when comparing them with the relevant limits.

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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	Limits [dB(μV)]		
	[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.

5.1.1 Test instrumentation

	Test Instrument	Model name	Manufacturer	Serial No.	Next Calibration	
EMC No.					Date	Interval (Month)
E5I-006	LTE Communicator	CMW500	R&S	132728	2021-04-06	12
E5I-002	Universal Radio Communicator	CMU200	R&S	100612	2021-08-12	12
E5I-017	EMI Test Receiver	ESU8	R&S	100483	2021-01-20	12
E5I-127	LISN	ENV216	R&S	102061	2021-07-29	12
-	Test software	EMC32	R&S	Ver 9.26.01	-	-

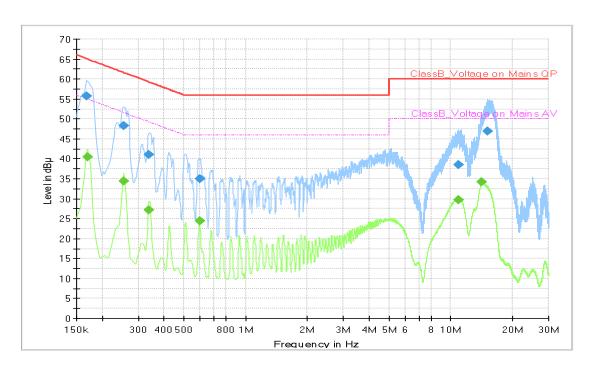
5.1.2 Temperature and humidity condition

Test date	2020-12-22	Test engineer	Soo-Joon Kim			
	Ambient temperature	(23.1 ± 0.5) ℃	Limit (15.0 to 35.0) ℃			
Climate condition	Relative humidity	(40.1 ± 0.5) % R.H.	Limit (25.0 to 75.0) % R.H.			
	Atmospheric pressure	(100.8 ± 0.5) kPa	Limit (86.0 to 106.0) kPa			
Test place	Shield Room (SR8)					

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5.1.3 Test results

☐ Operating Mode 1: AC Mains

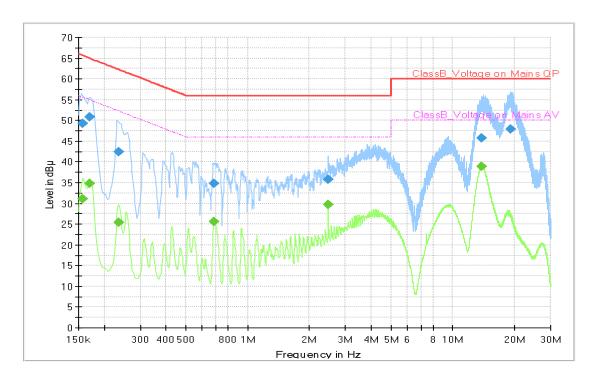


Note 1) Two graphs measured for both Live(L1) and Neutral(N) of the LISN are combined into one graph.

QP / CAV final measurement results table:

Frequency (MHz)	QP (dBµV)	CAV (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.168	55.72		65.06	9.34	N	10.3
0.170		40.48	54.95	14.47	N	10.3
0.256		34.45	51.57	17.12	N	9.9
0.256	48.36		61.57	13.21	N	9.9
0.339		27.21	49.23	22.02	N	10.1
0.339	41.11		59.23	18.12	N	10.1
0.596		24.53	46.00	21.47	N	10.2
0.596	34.92		56.00	21.08	N	10.2
10.907		29.77	50.00	20.23	L1	10.2
10.907	38.49		60.00	21.51	L1	10.2
14.082		34.23	50.00	15.77	N	10.4
15.142	46.89		60.00	13.11	L1	10.3

☐ 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.

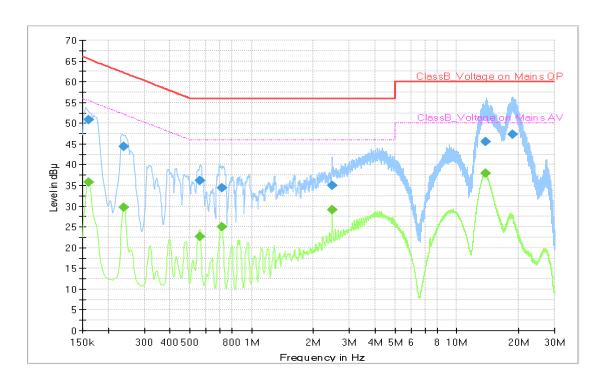
QP / CAV final measurement results table:

Frequency (MHz)	QP (dBµV)	CAV (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.157		31.16	55.63	24.47	N	10.1
0.157	49.27		65.63	16.36	N	10.1
0.170	50.83		64.95	14.12	L1	10.3
0.170		34.71	54.95	20.24	L1	10.3
0.236		25.50	52.25	26.76	N	9.9
0.236	42.37		62.25	19.88	N	9.9
0.688	34.75		56.00	21.25	N	10.2
0.688		25.52	46.00	20.48	N	10.2
2.468	35.86		56.00	20.14	N	9.9
2.468		29.81	46.00	16.19	N	9.9
13.758	45.84		60.00	14.16	N	10.4
13.758		38.86	50.00	11.14	N	10.4
19.235	47.95		60.00	12.05	L1	10.5

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

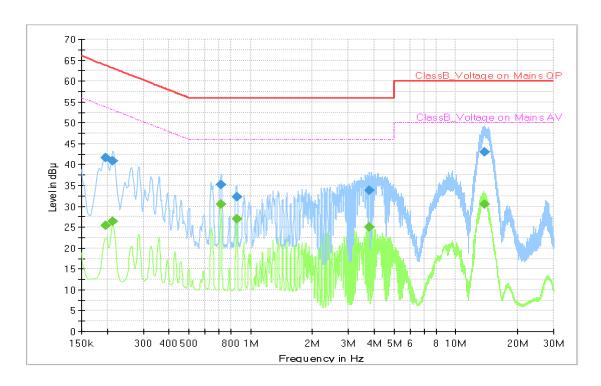


Note 1) Two graphs measured for both Live(L1) and Neutral(N) of the LISN are combined into one graph.

QP / CAV final measurement results table:

Frequency (MHz)	QP (dBµV)	CAV (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.161	50.93		65.40	14.46	N	10.2
0.161		35.69	55.40	19.71	N	10.2
0.238	44.37		62.17	17.81	N	9.9
0.238		29.69	52.17	22.49	N	9.9
0.560	36.17		56.00	19.83	N	10.2
0.560		22.67	46.00	23.33	N	10.2
0.715	34.36		56.00	21.64	N	10.1
0.715		25.07	46.00	20.93	N	10.1
2.465	34.90		56.00	21.10	N	9.9
2.465		29.19	46.00	16.81	N	9.9
13.749	45.56		60.00	14.44	N	10.4
13.749		37.87	50.00	12.13	N	10.4
18.618	47.39		60.00	12.61	L1	10.4

☐ Operating Mode 4: AC Mains

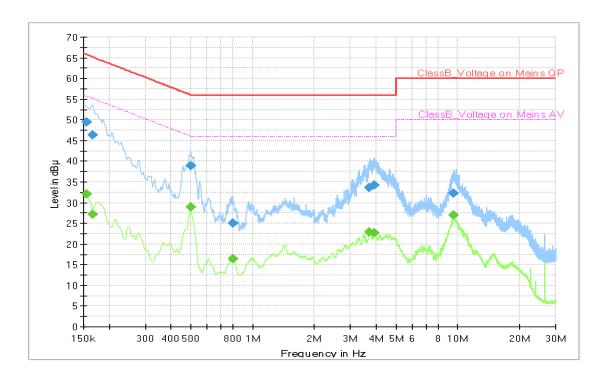


Note 1) Two graphs measured for both Live(L1) and Neutral(N) of the LISN are combined into one graph.

QP / CAV final measurement results table:

Frequency (MHz)	QP (dBμV)	CAV (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.197		25.45	53.73	28.28	N	10.1
0.197	41.61		63.73	22.11	N	10.1
0.213		26.34	53.09	26.75	L1	10.0
0.213	40.96		63.09	22.13	L1	10.0
0.717	35.29		56.00	20.71	N	10.1
0.717		30.50	46.00	15.50	N	10.1
0.854	32.22		56.00	23.78	N	10.0
0.854		27.07	46.00	18.93	N	10.0
3.791	33.76		56.00	22.24	N	10.0
3.791		24.97	46.00	21.03	N	10.0
13.857	43.05		60.00	16.95	L1	10.3
13.857		30.48	50.00	19.52	L1	10.3

☐ Operating Mode 5: 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)
0.155		32.10	55.75	23.66	L1	9.9
0.155	49.57		65.75	16.19	L1	9.9
0.166		27.21	55.17	27.96	N	10.1
0.166	46.39		65.17	18.78	N	10.1
0.499	38.83		56.02	17.19	L1	10.1
0.499		28.85	46.02	17.17	L1	10.1
0.798		16.37	46.00	29.63	L1	10.0
0.798	24.96		56.00	31.04	L1	10.0
3.710	33.73		56.00	22.27	N	9.8
3.710		22.94	46.00	23.06	N	9.8
3.905		22.69	46.00	23.31	N	9.8
3.905	34.31		56.00	21.69	N	9.8
9.528	32.29		60.00	27.71	L1	9.8
9.528		26.92	50.00	23.08	L1	9.8

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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 fomula 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.

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5.2.1 Test instrumentation

EMO.		Madal			Next Calibration	
EMC No.	Test Instrument	Model name	Manufacturer	Serial No.	Date	Interval (Month)
E5I-002	Universal Radio Communicator	CMU200	R&S	100612	2021-08-12	12
E5I-020	EMI Test Receiver	ESU40	R&S	100375	2021-09-14	12
E5I-018	EMI Test Receiver	ESU8	R&S	100484	2021-05-22	12
E5I-069	BiLog Antenna	CBL6112D	TESEQ	35382	2021-08-30	24
E5I-071	BiLog Antenna	CBL6112D	TESEQ	35384	2021-08-30	24
E5I-093	Preamplifier	310N	SONOMA	273122	2021-01-23	12
E5I-094	Preamplifier	310N	SONOMA	282363	2021-01-23	12
E5I-036	Horn Antenna	HF907	R&S	100507	2022-04-23	24
E5I-039	Signal Conditioning Unit	SCU-18	R&S	10211	2021-01-23	12
E5I-037	WideBand Horn Antenna	WBH 18-40K	R&S	11201	2021-01-31	24
E5I-042	Signal Conditioning Unit	SCU-40A	R&S	10004	2021-09-09	12
-	Test software	EP7RE	TOYO	Ver 5.8.2	-	-
-	Test software	EMC32	R&S	Ver 9.25.00	-	-

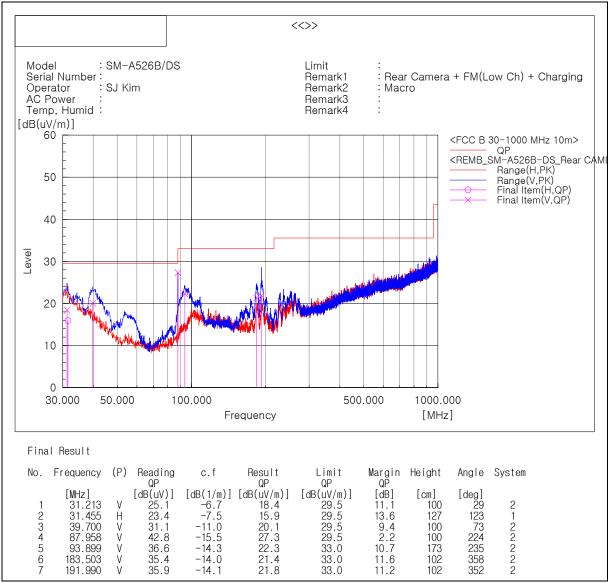
5.2.2 Temperature and humidity condition

Test date	2020-12-16 ~ 2020-12-17	Test engineer	Soo-Joon Kim			
	Ambient temperature	(22.3 ± 0.5) ℃	Limit (15.0 to 35.0) ℃			
Climate condition	Relative humidity	(49.9 ± 0.5) % R.H.	Limit (25.0 to 75.0) % R.H.			
	Atmospheric pressure	(100.2 ± 0.5) 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)

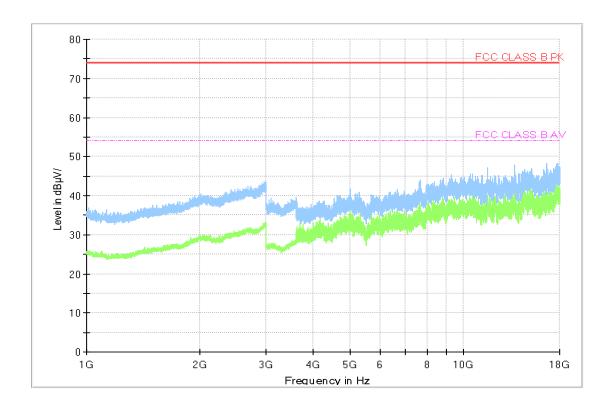
Margin (QP) = Limit - Level (QP)

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)

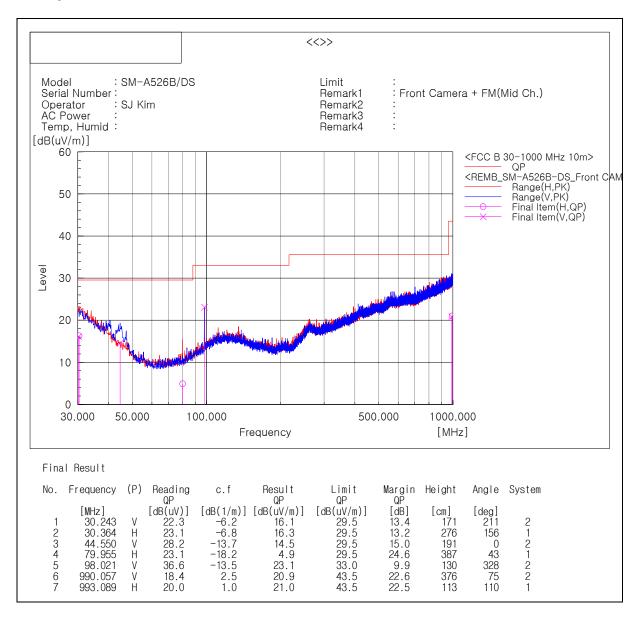
Margin (PK and/or CAV) = Limit – Level (PK and/or CAV)

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

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☐ Operating Mode 2

- Frequencies below 1 GHz



^{*} Radiated emissions (Rx frequency 98.021 MHz) from the transceiver shall be ignored

Note1) Receiving antenna polarization : Horizontal, Vertical Test Distance : 10 m, Antenna Height : 1 to 4 meters

Test Distance . To fit, Africania rieignt . T to 4 meters

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

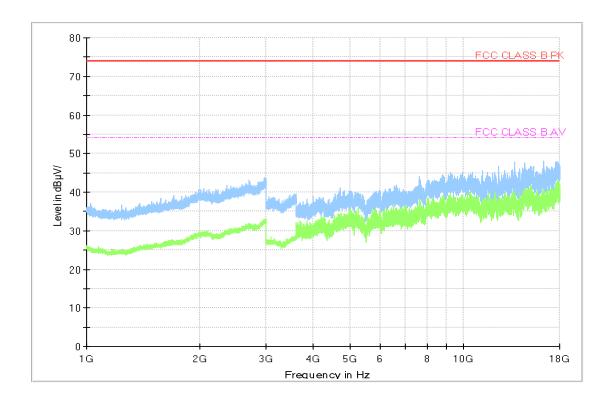
Margin (QP) = Limit - Level (QP)

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

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Mobile Phone: SM-A526B/DS

- 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)

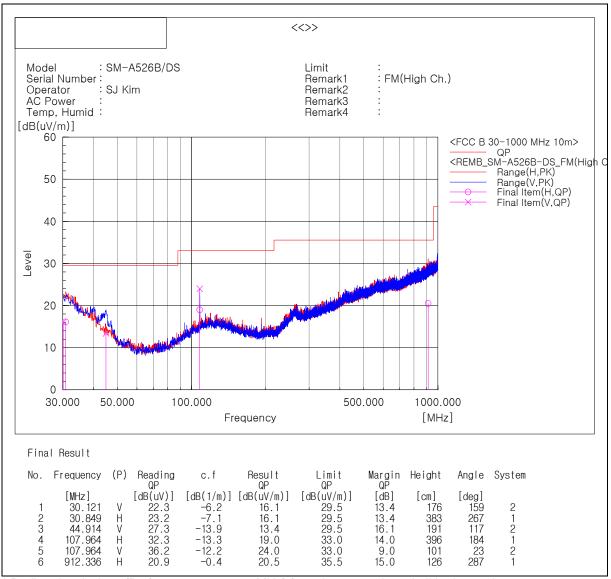
Margin (PK and/or CAV) = Limit – Level (PK and/or CAV)

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

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□ 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)

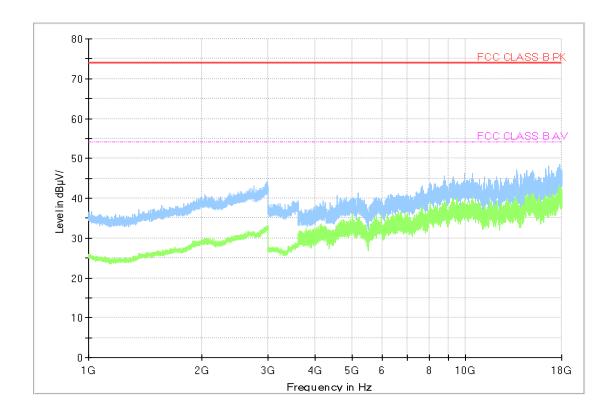
Margin (QP) = Limit - Level (QP)

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

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Mobile Phone: SM-A526B/DS

- 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

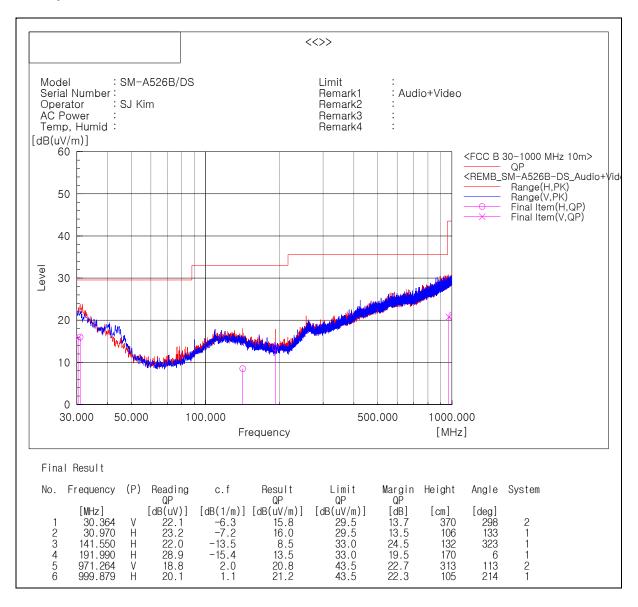
Level (PK and/or CAV) = Reading (PK and/or CAV) + Corr. (Antenna Factor + Cable Loss - Amp. Gain)

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

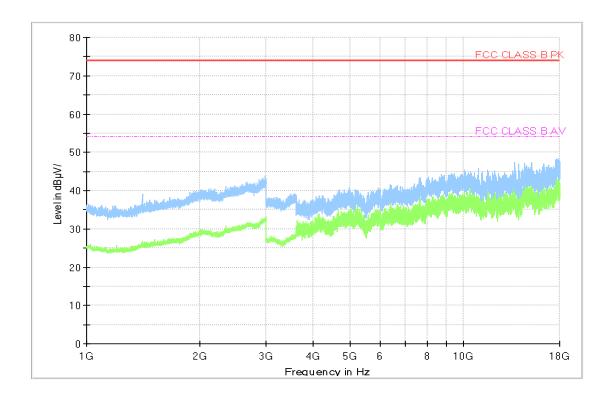
Result (QP) = Reading (QP) + c.f (Antenna Factor + Cable Loss - Amp. Gain)

Margin (QP) = Limit - Level (QP)

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

Mobile Phone: SM-A526B/DS

- 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)

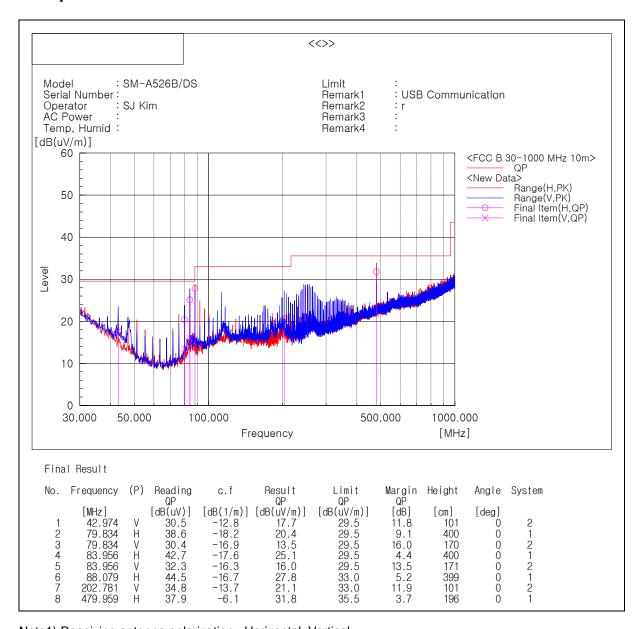
Margin (PK and/or CAV) = Limit – Level (PK and/or CAV)

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

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□ Operating Mode 5

- Frequencies below 1 GHz



Note1) Receiving antenna polarization : Horizontal, Vertical

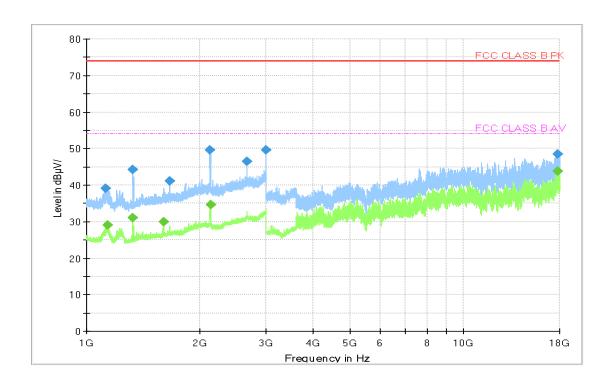
Test Distance: 10 m, Antenna Height: 1 to 4 meters

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

Margin (QP) = Limit - Level (QP)

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

- Frequencies above 1 GHz



Frequency (MHz)	PK (dBµV/m)	CAV (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1 126.400	39.00		74.00	35.00	100.0	Н	234.0	6.9
1 134.000		28.94	54.00	25.06	101.0	Н	234.0	6.9
1 328.000		31.13	54.00	22.87	100.0	V	24.0	8.1
1 328.000	44.33		74.00	29.67	100.0	V	24.0	8.1
1 599.600		29.91	54.00	24.09	105.0	V	317.0	10.2
1 662.400	41.05		74.00	32.95	103.0	V	148.0	10.5
2 127.200	49.69		74.00	24.31	100.0	V	142.0	13.0
2 131.600		34.60	54.00	19.40	101.0	V	254.0	13.0
2 660.400	46.57		74.00	27.43	100.0	V	281.0	15.2
2 992.000	49.72		74.00	24.28	100.0	V	168.0	17.0
17 728.500		43.89	54.00	10.11	103.0	Н	148.0	34.7
17 806.000	48.42		74.00	25.58	102.0	V	143.0	36.1

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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