EMC TEST REPORT

Project No. LBE20201187		Issue No.	1	
	Name of organization	Samsung Elec	etronics Co., Ltd.	
Applicant	Address	(Maetan-dong) 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea		
	Date of receipt	December 16, 2	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 Conformity	
	FCC ID	A3LSMM625F		
	Kind of product	Mobile Phone		
EUT	Model No.	SM-M625F/DS		
	Variant Model No.	Refer to clause 4.6		
	Manufacturer	SAMSUNG ELECTRONICS VIETNAM CO.,LTD. Yenphong 1 - I.P Yentrung Commune, Yenphong Dist., Bac Ninh Province, Vietnam SAMSUNG INDIA ELECTRONICS PVT LTD B-1 Sector-81, Phase –II NOIDA U.P. INDIA SAMSUNG ELECTRONICS CO.,LTD. 302, 3 Gongdan 3-ro, Gumi-si, Gyengsangbuk-do, 3938 Republic of Korea		
Applied Sta	andards	47 CFR Part 15	, Subpart B, Class B / ANSI C63.4-2014	
Test Period	d	December 16, 2020 ~ December 22, 2020		
Issue date		December 23, 2020		
Test result : Complied The equipment under test has found (Refer to the attached test result for		•	with the applied standards.	
Tested by: Sung-Wook Choi		Review	ved 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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Mobile Phone: SM-M625F/DS

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 basic test report.		
Issue 1	December 23, 2020	The SM-M625F variant model was deleted as per customer's request.		

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.

Mobile Phone: SM-M625F/DS

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-M625F/DS	-	SAMSUNG	A3LSMM625F		
В	Battery	EB-BM415ABY	-	SDI	-		
С	Headset	EHS61ASFBE	-	POSTER	-		
D	Data Cable	EP-DA705BWE	-	RFTECH	-		
E	Micro SD Card	64GB	-	SAMSUNG	DoC		
F	Laptop	Latitude5580	1WYRYM2	Dell	DoC		
	Computer	Computer	D3HRYM2	Dell	DoC		
G	Laptop AC Adapter	Laptop	Laptop	LA65NM130	5DEA	Dell	DoC
		er EA0314101130	5B3C	Dell	DoC		
Н	Mouse	AA-SM7PCPB	CN57BA5903634ADV 8JJCD4371	SAMSUNG DoC			
			SNJ-	SNJ-B138	Z5F8353	SAMSUNG	DoC
	Router	DID 906A	RF0F1D8018454	D-Link	DoC		
'	Rouler	DIR-806A	RF0F1D8011504	D-Link	DoC		
J	Travel Adapter	EP-TA800	R37N9FS11K9DK3	DONGYANG	-		

Mobile Phone : SM-M625F/DS

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 FDD26) + 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(w/ Headset)
5	USB Data Communication with PC (from External memory data)

4.3 Details of Sampling

Customer selected, single unit.

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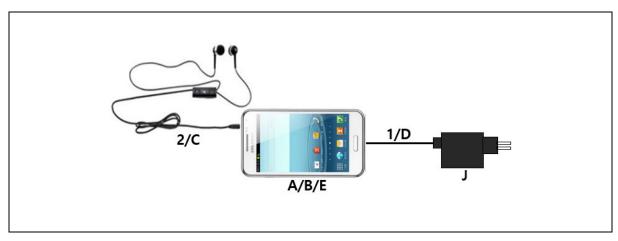
4.4 Used cable description

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:

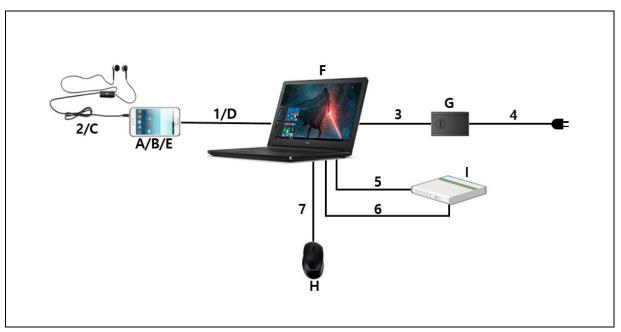
No.	Connected cable	Length [m]	Shielded [Y/N]	Note	
1	Data Cable	1.0	Y	From EUT to Laptop Computer or TA	
2	Headset	1.6	N	For EUT	
3	Power	1.8	N	From Laptop Computer to AC Adapter	
4	Power	1.5	N	For Laptop AC Adapter	
5	LAN	1.5	N	From Laptop Computer to Router	
6	USB	0.8	Y	From Laptop Computer to Router for DC Power	
7	USB	1.8	Y	From Laptop Computer to Mouse	

4.5 Test arrangement

4.5.1 Conducted Emission



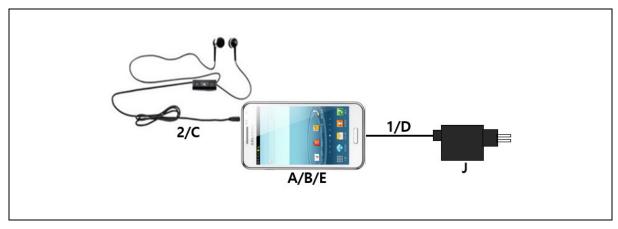
[Mode 1 - 4]



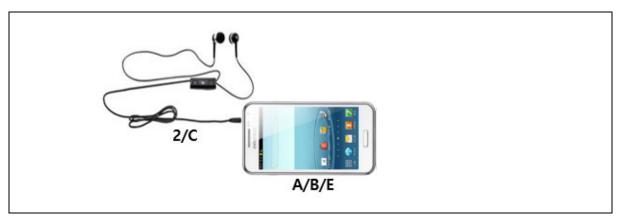
[Mode 5]

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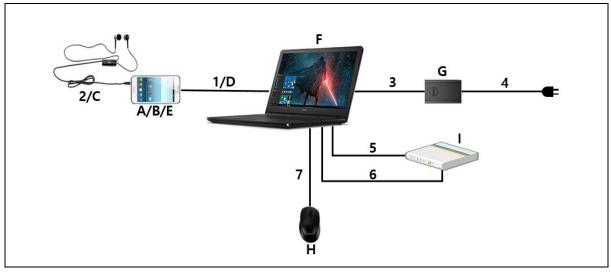
4.5.2 Radiated Emission



[Mode 1]



[Mode 2 - 4]



[Mode 5]

Mobile Phone: SM-M625F/DS

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 1/2/3/4/5/7/8/12/17/20/26/28/66, LTE TDD 38/40/41 and incorporates a Bluetooth, Wi-Fi, Camera, Audio, Video, GNSS, FM Radio and NFC.

4.6.1 The variant models

- SM-E625F/DS

4.7 EUT Frequencies

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

Mobile Phone: SM-M625F/DS

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(876.5MHz) testing was performed with the LTE B26 RX Test mode at center frequency. All licensed communication (876.5MHz) 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 the 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. 95 %, k = 2)	
Conducted disturbance	AC Mains	2.83 dB
Radiated Disturbance	Horizontal	3.97 dB
(Below 1 GHz)	Vertical	4.39 dB
Radiated Disturbance	Horizontal	5.21 dB
(Above 1 GHz)	Vertical	5.21 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

EMC No.	Test Instrument	Model name	Manufacturer	Serial No.	Next Calibration	
					Date	Interval (Month)
E5I-002	Universal Radio Communicator	CMU200	R&S	100612	2021-08-12	12
E5I-023	Signal Generator	SMB100A	R&S	175857	2021-01-29	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	-	-

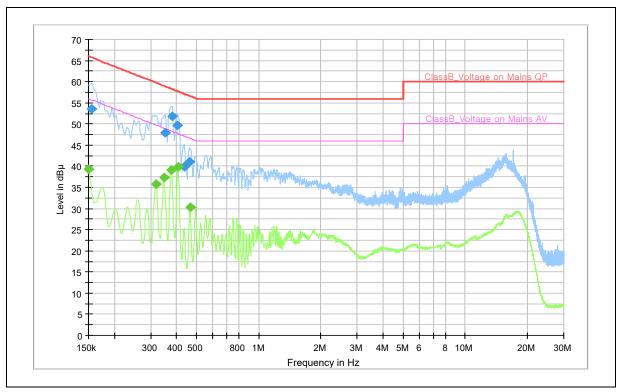
5.1.2 Temperature and humidity condition

Test date	2020-12-18	Test engineer	Sung-Wook Choi			
	Ambient temperature	(23.6 ± 0.5) ℃	Limit (15.0 to 35.0) ℃			
Climate condition	Relative humidity	(46.3 ± 0.5) % R.H.	Limit (25.0 to 75.0) % R.H.			
	Atmospheric pressure	Limit (86.0 to 106.0) kPa				
Test place	Shield Room (SR8)					

Mobile Phone: SM-M625F/DS

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)
0.150		39.21	56.00	16.79	N	9.9
0.155	53.57		65.75	12.19	N	10.0
0.319		35.79	49.74	13.95	N	10.1
0.348		37.44	49.01	11.57	N	10.1
0.353	47.91		58.90	10.99	L1	10.1
0.377		39.15	48.34	9.19	N	10.2
0.380	51.80		58.29	6.49	L1	10.2
0.404	49.70		57.77	8.07	L1	10.2
0.407		39.87	47.72	7.85	N	10.2
0.436	39.80		57.14	17.34	L1	10.2
0.463	41.11		56.64	15.54	L1	10.2
0.465		30.34	46.60	16.26	N	10.2

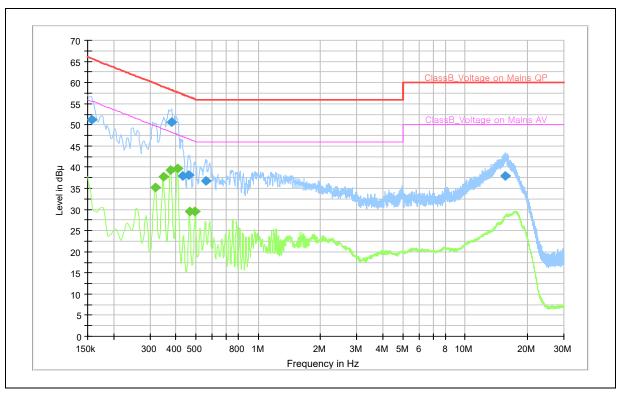
Note 2) Level (QP and/or CAV) = Meter Reading (QP and/or CAV) + Corr. (LISN Insertion Loss + Cable Loss)

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

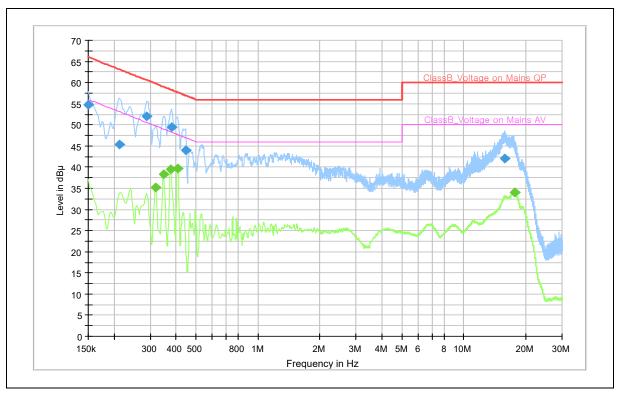


Note 1) Two graphs measured for both Live(L1) and Neutral(N) of the LISN are combined into one graph.

QP / CAV final measurement results table:

Frequency (MHz)	QP (dBµV)	CAV (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.157	51.27		65.63	14.37	L1	10.1
0.319		35.13	49.74	14.60	N	10.1
0.348		37.69	49.01	11.32	N	10.1
0.377		39.34	48.34	9.00	N	10.2
0.382	50.58		58.24	7.67	N	10.2
0.407		39.79	47.72	7.93	N	10.2
0.434	37.93		57.19	19.25	L1	10.2
0.461	38.14		56.68	18.54	L1	10.2
0.465		29.48	46.60	17.12	N	10.2
0.497		29.50	46.06	16.56	N	10.2
0.557	36.84		56.00	19.16	L1	10.2
15.682	37.94		60.00	22.06	L1	10.3

☐ Operating Mode 3: AC Mains

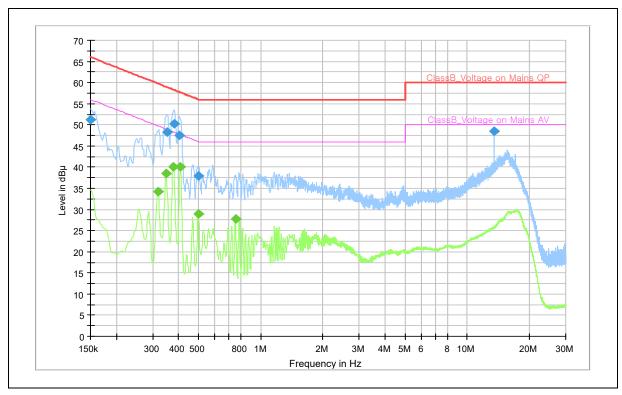


Note 1) Two graphs measured for both Live(L1) and Neutral(N) of the LISN are combined into one graph.

QP / CAV final measurement results table:

Frequency (MHz)	QP (dBµV)	CAV (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.150	54.67		66.00	11.33	L1	9.9
0.213	45.32		63.09	17.77	L1	10.0
0.290	52.03		60.54	8.50	L1	10.0
0.319		35.10	49.74	14.64	N	10.1
0.348		38.41	49.01	10.60	N	10.1
0.377		39.57	48.34	8.77	N	10.2
0.380	49.42		58.29	8.87	N	10.2
0.407		39.78	47.72	7.94	N	10.2
0.445	43.94		56.97	13.03	L1	10.2
15.745	42.00		60.00	18.00	L1	10.3
17.655		33.93	50.00	16.07	N	10.6
17.662		33.98	50.00	16.02	N	10.6

☐ Operating Mode 4: AC Mains

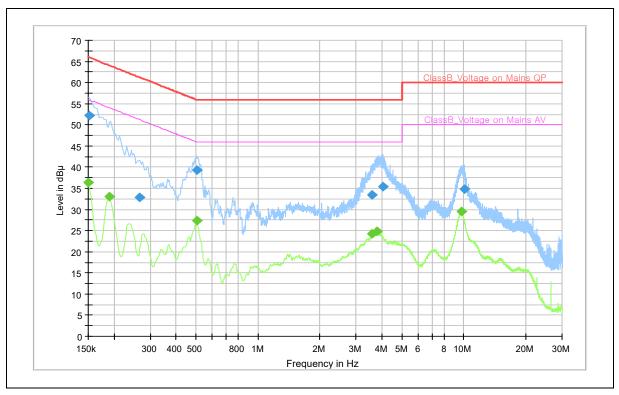


Note 1) Two graphs measured for both Live(L1) and Neutral(N) of the LISN are combined into one graph.

QP / CAV final measurement results table:

Frequency (MHz)	QP (dBµV)	CAV (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.150	51.14		66.00	14.86	L1	9.9
0.319		34.17	49.74	15.57	N	10.1
0.348		38.62	49.01	10.39	N	10.1
0.353	48.39		58.90	10.51	Ν	10.1
0.377		40.16	48.34	8.18	Ν	10.2
0.382	50.29		58.24	7.96	N	10.2
0.402	47.44		57.81	10.37	N	10.2
0.409		40.10	47.67	7.57	Ν	10.2
0.499		29.03	46.02	16.99	Ν	10.2
0.501	37.91		56.00	18.09	N	10.2
0.755		27.71	46.00	18.29	N	10.1
13.560	48.52		60.00	11.48	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)
0.150		36.35	56.00	19.65	N	9.8
0.152	52.24		65.88	13.63	N	9.9
0.191		33.02	54.02	20.99	L1	10.0
0.267	32.76		61.21	28.45	N	9.8
0.506		27.41	46.00	18.59	L1	10.1
0.508	39.29		56.00	16.71	L1	10.1
3.572	33.51		56.00	22.49	L1	9.8
3.584		24.33	46.00	21.67	N	9.8
3.788		24.75	46.00	21.25	N	9.8
4.034	35.36		56.00	20.64	N	9.8
9.688		29.53	50.00	20.47	L1	9.8
10.097	34.75		60.00	25.25	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

					Next Calibration		
EMC No.	Test Instrument	Model name	Manufacturer	Serial No.	Date	Interval (Month)	
E5I-023	Signal Generator	SMB100A	R&S	175857	2021-01-29	12	
E5I-021	EMI Test Receiver	ESU40	R&S	100376	2021-01-31	12	
E5I-016	EMI Test Receiver	ESU8	R&S	100482	2021-06-04	12	
E5I-072	BiLog Antenna	CBL6112D	TESEQ	36009	2022-05-15	24	
E5I-120	BiLog Antenna	CBL6112D	TESEQ	36997	2022-05-15	24	
E5I-073	Preamplifier	310N	SONOMA	332016	2021-05-07	12	
E5I-074	Preamplifier	310N	SONOMA	332017	2021-05-07	12	
E5I-035	Horn Antenna	HF907	R&S	100506	2021-08-30	24	
E5I-040	Signal Conditioning Unit	SCU-18	R&S	10210	2021-04-06	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

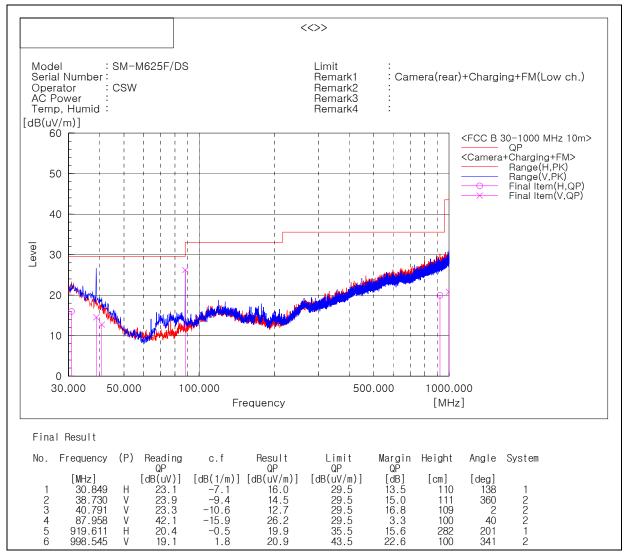
Test date	2020-12-16, 2020-12-22	Test engineer	Sung-Wook Choi			
	Ambient temperature	(23.3 ± 0.5) ℃	Limit (15.0 to 35.0) ℃			
Climate condition	Relative humidity	(34.9 ± 0.5) % R.H.	Limit (25.0 to 75.0) % R.H.			
	Atmospheric pressure (102.7 ± 0.5) kPa Limit (86.0 to 106.					
Test place	Semi-Anechoic Chamber (SAC5)					

Mobile Phone: SM-M625F/DS

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

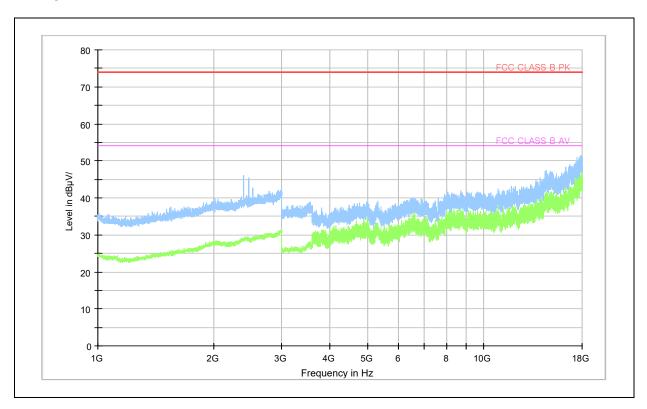
Result (QP) = Reading (QP) + c.f (Antenna Factor + Cable Loss - Amp. Gain)

Margin (QP) = Limit – Level (QP)

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

Mobile Phone: SM-M625F/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)

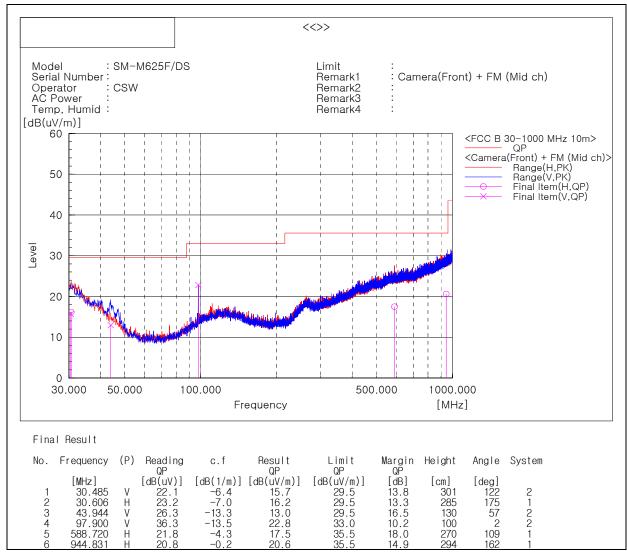
Margin (PK and/or CAV) = Limit – Level (PK and/or CAV)

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

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□ Operating Mode 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

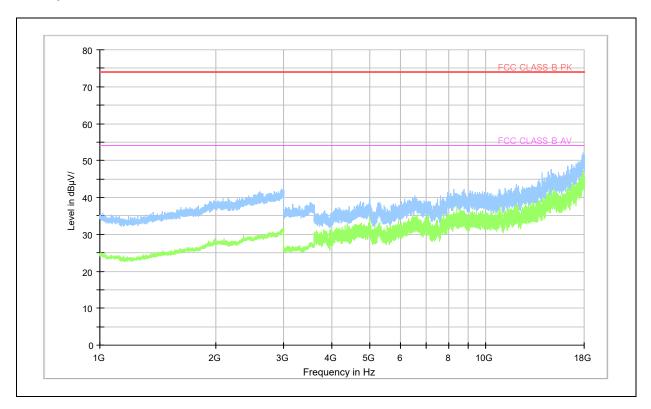
Result (QP) = Reading (QP) + c.f (Antenna Factor + Cable Loss - Amp. Gain)

Margin (QP) = Limit – Level (QP)

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

Mobile Phone: SM-M625F/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)

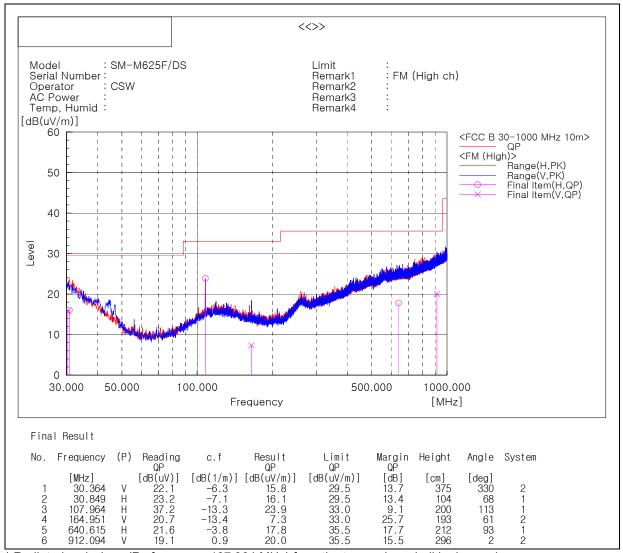
Margin (PK and/or CAV) = Limit – Level (PK and/or CAV)

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

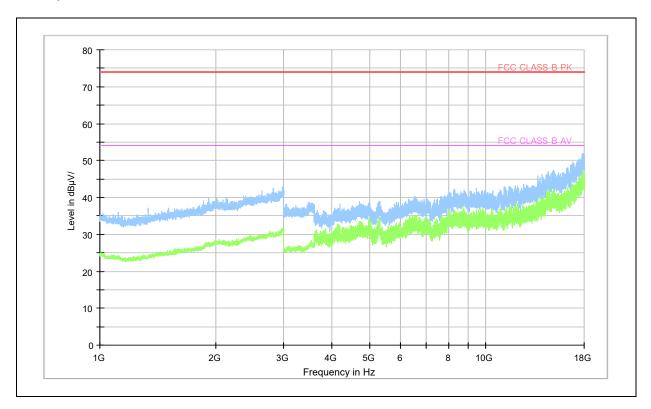
Result (QP) = Reading (QP) + c.f (Antenna Factor + Cable Loss - Amp. Gain)

Margin (QP) = Limit – Level (QP)

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

Mobile Phone: SM-M625F/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)

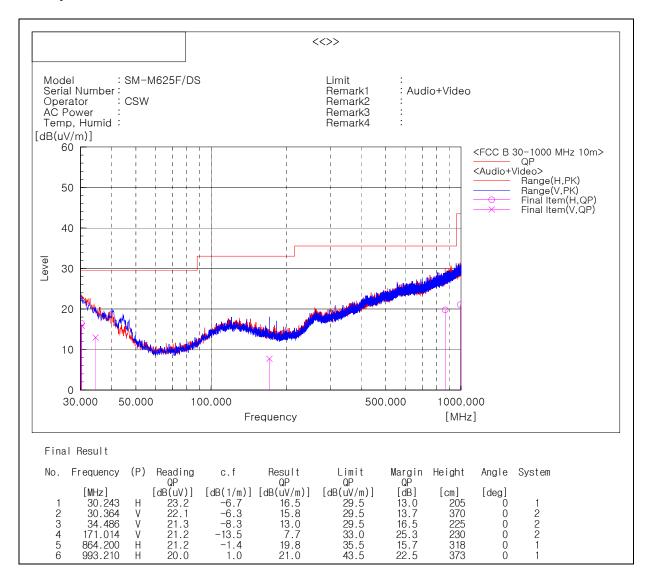
Margin (PK and/or CAV) = Limit – Level (PK and/or CAV)

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

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□ Operating Mode 4

- Frequencies below 1 GHz



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

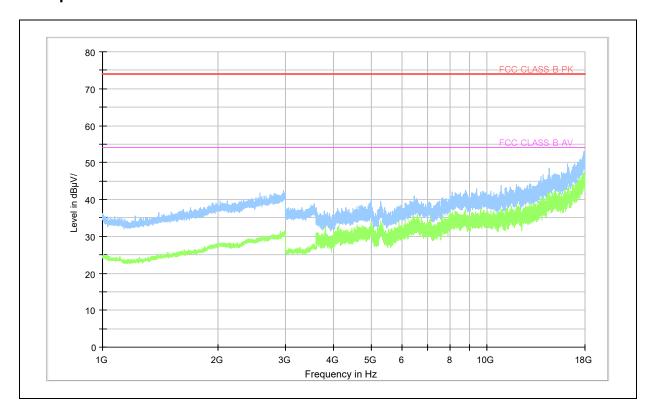
Result (QP) = Reading (QP) + c.f (Antenna Factor + Cable Loss - Amp. Gain)

Margin (QP) = Limit – Level (QP)

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

Mobile Phone: SM-M625F/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)

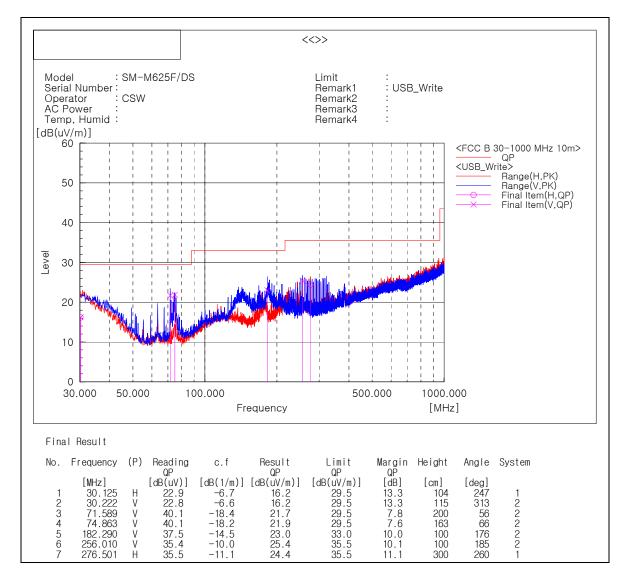
Margin (PK and/or CAV) = Limit – Level (PK and/or CAV)

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

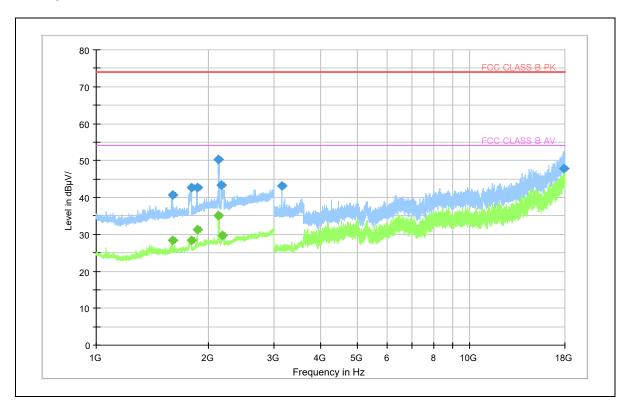
Test Distance: 10 m, Antenna Height: 1 to 4 meters

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)
1 598.000	40.71		74.00	33.29	103.0	V	65.0	9.2
1 598.500		28.38	54.00	25.62	105.0	V	71.0	9.2
1 800.500		28.29	54.00	25.71	100.0	Н	242.0	9.8
1 800.500	42.59		74.00	31.41	110.0	Н	242.0	9.8
1 865.000	42.73		74.00	31.27	107.0	V	71.0	10.6
1 865.500		31.24	54.00	22.76	112.0	V	71.0	10.6
2 126.500	50.39		74.00	23.61	109.0	V	143.0	11.6
2 129.500		35.03	54.00	18.97	100.0	V	143.0	11.6
2 159.000	43.45		74.00	30.55	102.0	V	296.0	11.7
2 170.500		29.76	54.00	24.24	105.0	V	296.0	11.7
3 144.500	43.23		74.00	30.77	101.0	V	135.0	0.9
17 838.000	47.73		74.00	26.27	111.0	V	46.0	38.3

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