EMC TEST REPORT					
Project No.	LBE20230477	Issue No.	0		
	Name of organization	Samsung Electronics Co., Ltd.			
Applicant	Address		129, Samsung-ro, Yeongtong-gu, onggi-do, 16677, Korea		
	Date of receipt	September 11,	2023		
	Type of device	Class B pers	eivers subject to Part 15 sonal computers and peripherals B digital devices and peripherals st Receiver		
	Equipment authorization	Certification	Supplier's Declaration of Conformity		
	FCC ID	A3LSMA156E			
	Kind of product	Mobile Phone			
EUT	Model No.	SM-A156E/DS			
	Variant Model No.	Refer to clause 4.6			
	Manufacturer	 Samsung Electronics Vietnam Co., Ltd. Yenphong 1 - I.P Yentrung Commune, Yenphong Dist., Bac Nir Province, Vietnam Samsung Electronics Vietnam THAI NGUYEN Co., Ltd. Yen Binh Industrial Zone Pho Ten Dist., Thai Nguyen Province Vietnam Samsung India Electronics PVT LTD (SIEL-N) B-1 Sector-81, Phase-II NOIDA U.P. India 			
Applied Sta	Indards	47 CFR Part 15, Subpart B, Class B / ANSI C63.4-2014			
Test Period		September 11, 2023 ~ September 22, 2023			
Issue date		September 25, 2023			
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 : Seon-Tai Park		C-E-Park		
	ults in this report only apply I, without written permission		mple. This report must not be reproduced, center. * Not KOLAS report		
Samsung Electronics Co., Ltd., Global CS Center (Maetan dong) 129, Samsung-ro, Yeongtong-Gu, Suwon-Si, Gyeonggi-Do 16677, Korea					

Mobile Phone: SM-A156E/DS

Table of Contents

1. Report Information	
1.1 Revision history	
2. Summary of test results	3
2.1 Emission	
3. General Information	3
3.1 Test facility	
4. Test Setup configuration	4
4.1 Test Peripherals	4
4.2 EUT operating mode	5
4.3 Details of Sampling	5
4.4 Used cable description	6
4.5 Test arrangement	7
4.6 EUT Description	10
4.7 EUT Frequencies	10
4.8 Test configuration and condition	
4.9 Measurement uncertainty	11
5. Results of individual test	
5.1 Conducted Emission	
5.2 Radiated Emission	

1. Report Information

1.1 Revision history

No.	Date of Issue	Revised detailed information
Issue 0	September 25, 2023	There are no revisions and this version is basic test report.

※ Remark

Only compliance with Part 15B (Section 15.107 Conducted limits) requirements for the receiver part of the licensed transmitter (equipment code CXX) is covered by this 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 Emission (Mains port)	47 CFR Part 15 Subpart B / ANSI C63.4-2014 (Class B)	Complied
	Radiated Emission		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, 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:

Description	Model No.	Serial No.	Manufacturer / Trademark	FCC ID
Mobile Phone	SM-A156E/DS	-	SAMSUNG	A3LSMA156E
Headset	EHS64AV	-	CRESYN	-
Data Cable	EP-DN980	-	RF TECH	-
Laptop Computer	Latitude5580	1WYRYM2	Dell	SDoC
Laptop Computer	Latitude5580	D3HRYM2	Dell	SDoC
Laptop AC Adapter	LA65NM130	5DEA	Dell	SDoC
Laptop AC Adapter	LA65NM130	5B3C	Dell	SDoC
Mouse	AA-SM7PCPB	CN57BA5903634AD V8JJCD4371	SAMSUNG	SDoC
Mouse	Mouse SMH-210UB		SAMSUNG	SDoC
Router	DIR-806A	RF0F1D8018454	D-Link	SDoC
Router	DIR-806A	RF0F1D8011504	D-Link	SDoC
Travel Adapter	EP-TA800	R37TCCA00EBDKA	DongYang E&P	-
microSD Card 64GB		- 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 (LTE FDD26 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 + Charging (w/TA)
5	USB data communication with PC (from external memory)

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
5	USB data communication with PC (from external memory)

4.3 Details of Sampling

Customer selected, single unit.

4.4 Used cable description

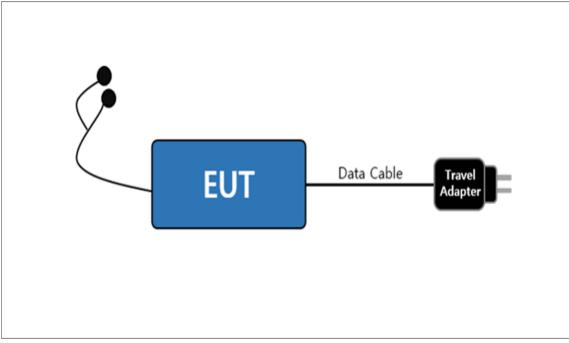
The EUT is configured, installed, arranged and operated in a manner consistent with typical applications. Interface cables/loads/devices are connected to at least one of each type of interface port of the EUT, and where practical, each cable shall be terminated in a device typical of actual usage. The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

Connected cable	Length [m]	Shielded [Y/N]	Note	
Data Cable	1.0	Y	From EUT to Laptop Computer or Travel Adapter	
Headset	1.2	N	For EUT	
Power	1.8	N	From Laptop Computer to AC Adapter	
Power	1.5	N	For Laptop AC Adapter	
LAN	1.5	N	From Laptop Computer to Router	
USB	0.8	Y	From Laptop Computer to Router for DC Power	
USB	1.8	Y	From Laptop Computer to Mouse	

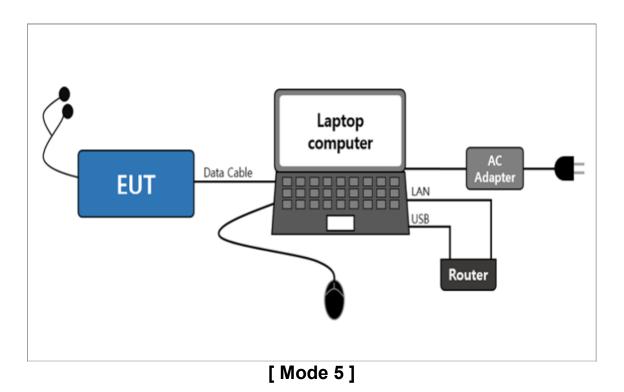
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4.5 Test arrangement

4.5.1 Conducted Emission



[Mode 1 – 4]

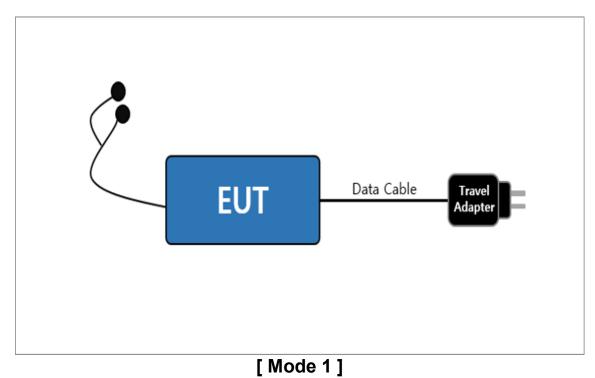


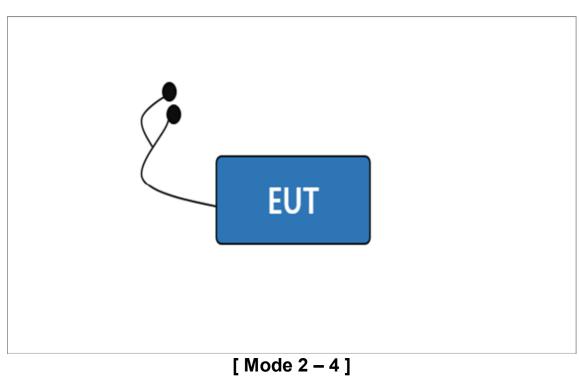
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-7/29-

Mobile Phone: SM-A156E/DS

4.5.2 Radiated Emission

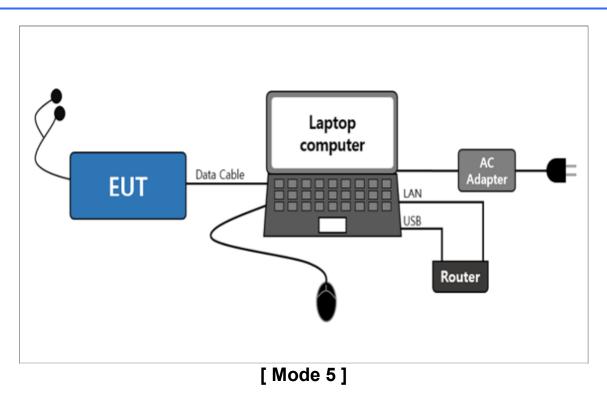




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-8/29-

Mobile Phone: SM-A156E/DS



4.6 EUT Description

The EUT is a bar type mobile phone which can operate on GSM 850/900/1800/1900, WCDMA FDD 1/2/4/5/8, LTE FDD 1/2/3/4/5/7/8/12/13/17/20/26/28/66, LTE TDD 38/40/41, 5G NR n1/3/5/7/8/28/40/41/66/77/78 and incorporates a Bluetooth, Wi-Fi (802.11 b/g/n/a/ac), Camera, Audio, Video, GNSS, FM Radio and microSD Card.

4.6.1 The variant models

- SM-A156E/DSN

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 microSD card(if available), by writing and reading arbitrary data or charging with TA.

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

For the AC conducted emissions test, the conducted emissions of receiver modes which operate within the frequency range of 30-960 MHz were compared through preliminary tests. However, no significant differences were found to affect the conducted emission, so the test result for one representative receiver frequency band (LTE FDD26) were reported.

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

The video and audio(1 kHz sound) were repetitively played with the headset connected.

The camera of the EUT was operated continuously.

Power source for the EUT operating was supplied by CVCF.

- 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)

Test type		Measurement uncertainty (C.L. approximately 95 %, <i>k</i> = 2)		
Conducted Emission	AC Mains	2.82 dB		
Radiated Emission	Horizontal	4.88 dB		
(Below 1 GHz)	Vertical	4.52 dB		
Radiated Emission	Horizontal	5.18 dB		
(Above 1 GHz)	Vertical	5.18 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.

5. Results of individual test

5.1 Conducted Emission

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 worstcase 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 shal	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 emission at the mains ports of Class B

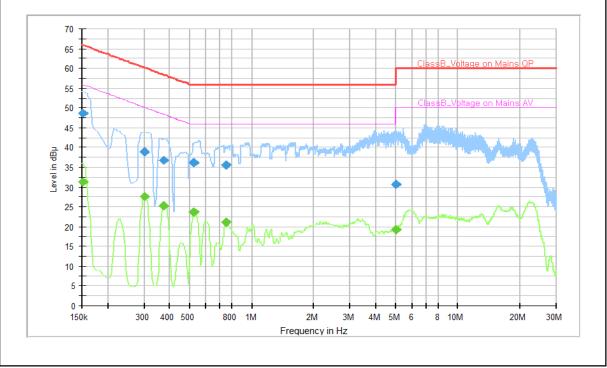
5.1.1 Test instrumentation

EMC		Model	Manufacturer	Serial No.	Next Calibration	
No.	Test Instrument	name			Date	Interval (Month)
E5I-006	LTE Communicator	CMW500	R&S	132728	2024-04-05	12
E5I-127	Two-Line V-Network	ENV216	R&S	102061	2024-01-20	12
E5I-247	EMI Test Receiver	ESW8	R&S	103124	2024-07-21	12
-	Test software	EMC32	R&S	Ver 10.60.20	-	-

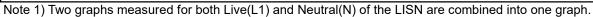
5.1.2 Temperature and humidity condition

Test date	2023-09-22 Test engineer		Seon-Tai Park		
Climate condition	Ambient temperature	(23.4 ± 1.0) ℃	Limit (15.0 to 35.0) ℃		
	Humidity	(40.7 ± 1.0) % R.H.	Limit (25.0 to 75.0) % R.H.		
	Atmospheric pressure	(100.9 ± 1.0) kPa	Limit (86.0 to 106.0) kPa		
Test place	Shield Room (SR8)				

5.1.3 Test Results



Operating Mode 1: AC Mains



Frequency (MHz)	QP (dBµV)	CAV (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.152	48.6		65.9	17.2	N	10.0
0.152		31.2	55.9	24.7	N	10.0
0.301	38.8		60.2	21.4	L1	10.0
0.301		27.7	50.2	22.6	L1	10.0
0.375	36.7		58.4	21.6	L1	10.2
0.375		25.2	48.4	23.1	L1	10.2
0.524		23.7	46.0	22.3	L1	10.2
0.524	36.2		56.0	19.8	L1	10.2
0.746	35.7		56.0	20.3	L1	10.1
0.746		21.1	46.0	24.9	L1	10.1
5.003		19.2	50.0	30.8	N	9.9
5.003	30.7		60.0	29.3	N	9.9

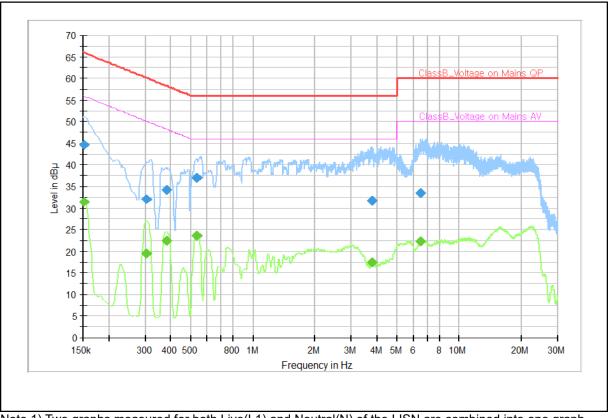
QP / CAV final	measurement	results table.
	measurement	results table.

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

-13/29-

Operating Mode 2: AC Mains



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

Frequency (MHz)	QP (dBµV)	CAV (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.152		31.6	55.9	24.3	L1	10.0
0.152	44.7		65.9	21.2	L1	10.0
0.303		19.6	50.2	30.5	L1	10.0
0.303	32.1		60.2	28.1	L1	10.0
0.382		22.6	48.2	25.7	L1	10.2
0.382	34.2		58.2	24.1	L1	10.2
0.533		23.8	46.0	22.2	L1	10.2
0.533	36.9		56.0	19.1	L1	10.2
3.782		17.4	46.0	28.6	N	9.9
3.782	31.7		56.0	24.3	N	9.9
6.518		22.2	50.0	27.8	N	10.0
6.518	33.3		60.0	26.7	N	10.0

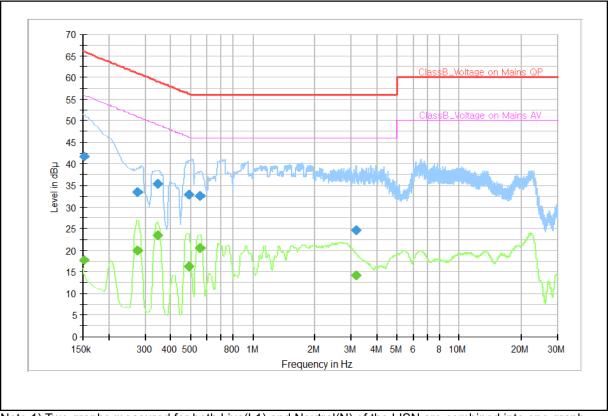
QP/0	CAV final	measurement	results table:
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Note 2) Level (QP and/or CAV) = Meter Reading (QP and/or CAV) + Corr. (LISN Insertion Loss + Cable Loss) Margin (QP and/or CAV) = Limit – Level (QP and/or CAV)

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

-14/29-

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.

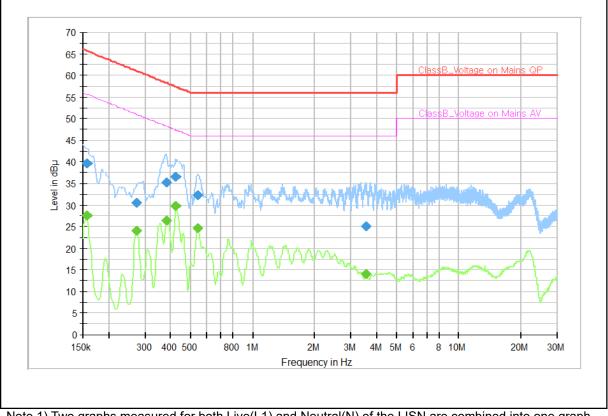
Frequency (MHz)	QP (dBµV)	CAV (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.152		17.7	55.9	38.2	L1	10.0
0.152	41.6		65.9	24.3	L1	10.0
0.276		20.0	50.9	30.9	L1	9.9
0.276	33.3		60.9	27.6	L1	9.9
0.346		23.4	49.1	25.7	L1	10.1
0.346	35.5		59.1	23.6	L1	10.1
0.488		16.2	46.2	30.0	L1	10.2
0.488	32.9		56.2	23.3	L1	10.2
0.555		20.5	46.0	25.5	L1	10.2
0.555	32.7		56.0	23.3	L1	10.2
3.179		14.4	46.0	31.6	N	9.9
3.179	24.7		56.0	31.3	N	9.9

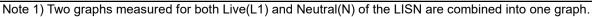
Note 2) Level (QP and/or CAV) = Meter Reading (QP and/or CAV) + Corr. (LISN Insertion Loss + Cable Loss) Margin (QP and/or CAV) = Limit – Level (QP and/or CAV)

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

-15/29-

Operating Mode 4: AC Mains





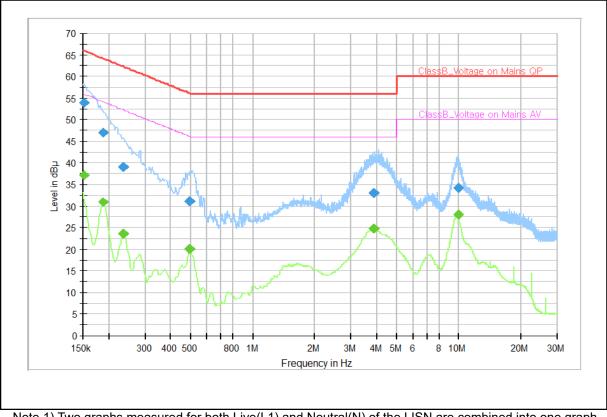
Frequency (MHz)	QP (dBµV)	CAV (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.157		27.5	55.6	28.1	L1	10.1
0.157	39.7		65.6	25.9	L1	10.1
0.274		24.1	51.0	26.9	L1	9.9
0.274	30.5		61.0	30.5	L1	9.9
0.380		26.3	48.3	22.0	L1	10.2
0.380	35.2		58.3	23.1	L1	10.2
0.425		29.7	47.4	17.7	L1	10.2
0.425	36.6		57.4	20.8	L1	10.2
0.542		24.6	46.0	21.4	L1	10.2
0.542	32.2		56.0	23.8	L1	10.2
3.523		14.1	46.0	31.9	N	9.9
3.523	24.9		56.0	31.1	N	9.9

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

-16/29-

Operating Mode 5: AC Mains



Frequency (MHz)	QP (dBµV)	CAV (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.152	54.1		65.9	11.8	N	9.9
0.152		37.1	55.9	18.8	N	9.9
0.188	47.0		64.1	17.1	L1	10.0
0.188		30.9	54.1	23.2	L1	10.0
0.236	39.1		62.3	23.2	L1	9.8
0.236		23.7	52.3	28.6	L1	9.8
0.497		20.2	46.1	25.9	L1	10.0
0.497	31.2		56.1	24.9	L1	10.0
3.892	33.1		56.0	22.9	N	9.8
3.892		24.7	46.0	21.3	N	9.8
9.926		27.9	50.0	22.1	L1	9.8
9.926	34.1		60.0	25.9	L1	9.8

QP / CAV final measurement r	esults table:
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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

-17/29-

5.2 Radiated Emission

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 Polarization	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 Polarization	Resolution Bandwidth [MHz]	Video Bandwidth [MHz]	Turntable position [degrees]	
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 emission of Class B 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 D1(3m) to D2(10m)

: Limit at D2 = Limit at D1 + 20Log(D1 /D2)

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

5.2.1 Test instrumentation

EMC		Model			Next Calibration		
No.	Test Instrument	name	Manufacturer	Serial No.	Date	Interval (Month)	
E5I-021	EMI Test Receiver	ESU40	R&S	100376	2024-01-30	12	
E5I-017	EMI Test Receiver	ESU8	R&S	100483	2024-01-27	12	
E5I-248	EMI Test Receiver	ESW44	R&S	103129	2024-07-21	12	
E5I-070	BiLog Antenna	CBL6112D	TESEQ	35383	2025-07-21	24	
E5I-228	6 dB Fixed Attenuator	8491B-006	Agilent	58358	2025-07-21	24	
E5I-121	BiLog Antenna	CBL6112D	TESEQ	36999	2025-07-21	24	
E5I-137	6 dB Fixed Attenuator	8491A	Keysight	MY52462298	2025-07-21	24	
E5I-093	Preamplifier	310N	SONOMA	273122	2024-01-17	12	
E5I-094	Preamplifier	310N	SONOMA	282363	2024-01-17	12	
E5I-035	Horn Antenna	HF907	R&S	100506	2023-10-25	12	
E5I-039	Signal Conditioning Unit	SCU-18	R&S	10211	2024-04-05	12	
E5I-243	WideBand Horn Antenna	QMS-00880	STEATITE	25187	2023-11-23	12	
E5I-042	Signal Conditioning Unit	SCU-40A	R&S	10004	2023-09-21	12	
-	Test software	EP7RE	ΤΟΥΟ	Ver 8.0.20	-	-	
-	Test software	EMC32	R&S	Ver 10.60.20	-	-	

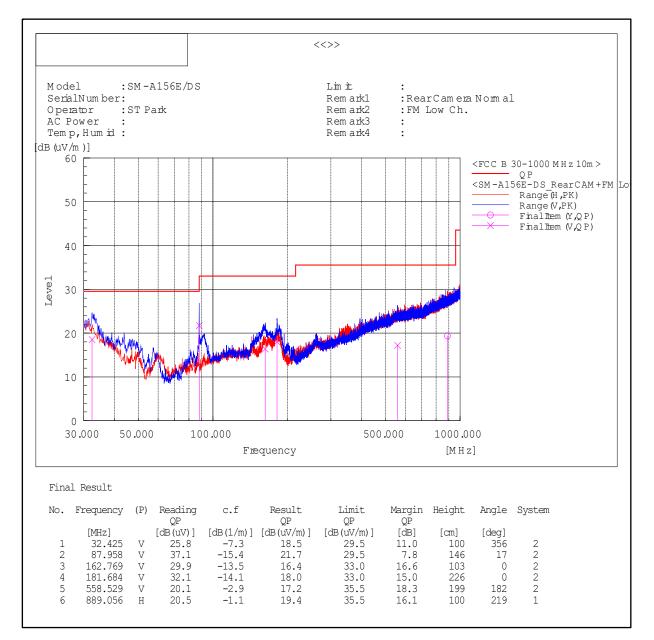
5.2.2 Temperature and humidity condition

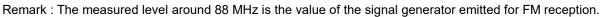
Test date	2023-09-11, 2023-09-15	Test engineer	Seon-Tai Park		
	Ambient temperature	(24.1 ± 1.0) ℃	Limit (15.0 to 35.0) ℃		
Climate condition	Humidity (41.6 ± 1		Limit (25.0 to 75.0) % R.H.		
	Atmospheric pressure	(101.1 ± 1.0) kPa Limit (86.0 to 106.0) kI			
Test place	Semi-Anechoic Chamber (SAC5)				

5.2.3 Test Results

□ Operating Mode 1

- Frequencies below 1 GHz





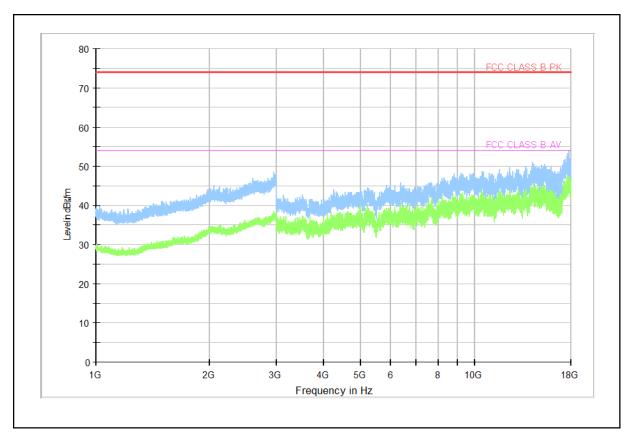
Note1) Result (QP) = Reading (QP) + c.f (Antenna Factor + Cable Loss - Amp. Gain)

Margin (QP) = Limit – Level (QP)

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

Mobile Phone: SM-A156E/DS

- Frequencies above 1 GHz

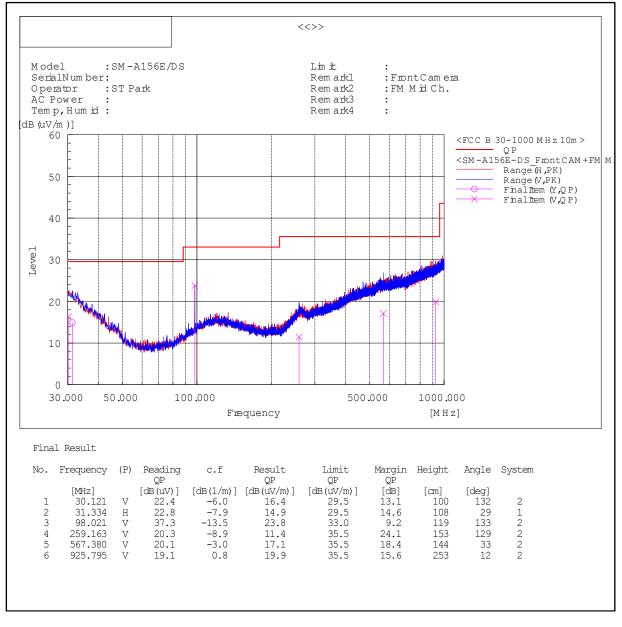


Note 1) We have also tested from 18 GHz to 30 GHz and found no emissions.

Note 2) 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



Remark : The measured level around 98 MHz is the value of the signal generator emitted for FM reception.

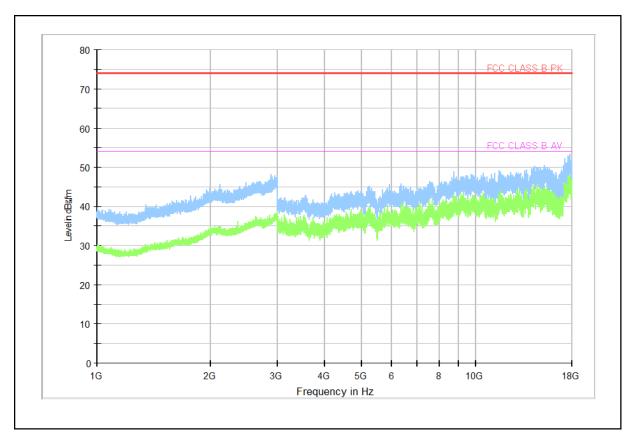
Note1) Result (QP) = Reading (QP) + c.f (Antenna Factor + Cable Loss - Amp. Gain)

Margin (QP) = Limit – Level (QP)

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

Mobile Phone: SM-A156E/DS

- Frequencies above 1 GHz

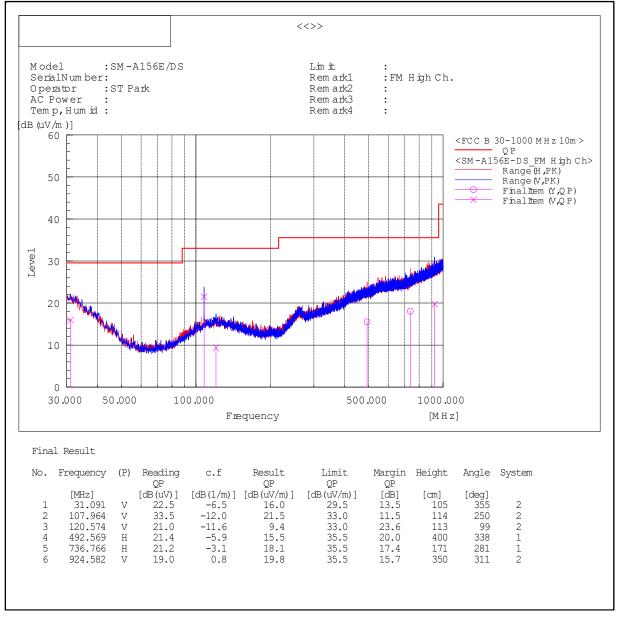


Note 1) We have also tested from 18 GHz to 30 GHz and found no emissions.

Note 2) 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



Remark : The measured level around 108 MHz is the value of the signal generator emitted for FM reception.

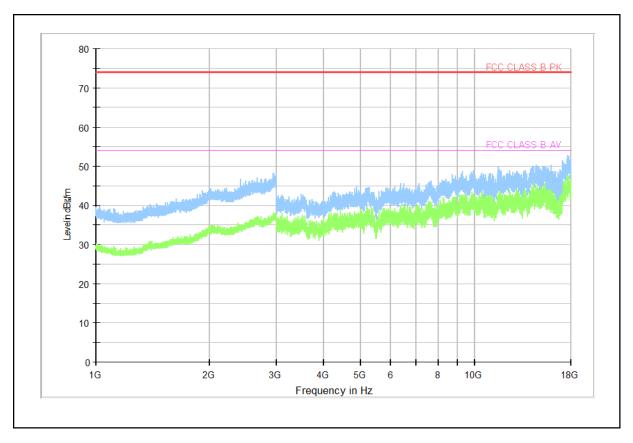
Note1) Result (QP) = Reading (QP) + c.f (Antenna Factor + Cable Loss - Amp. Gain)

Margin (QP) = Limit – Level (QP)

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

Mobile Phone: SM-A156E/DS

- Frequencies above 1 GHz

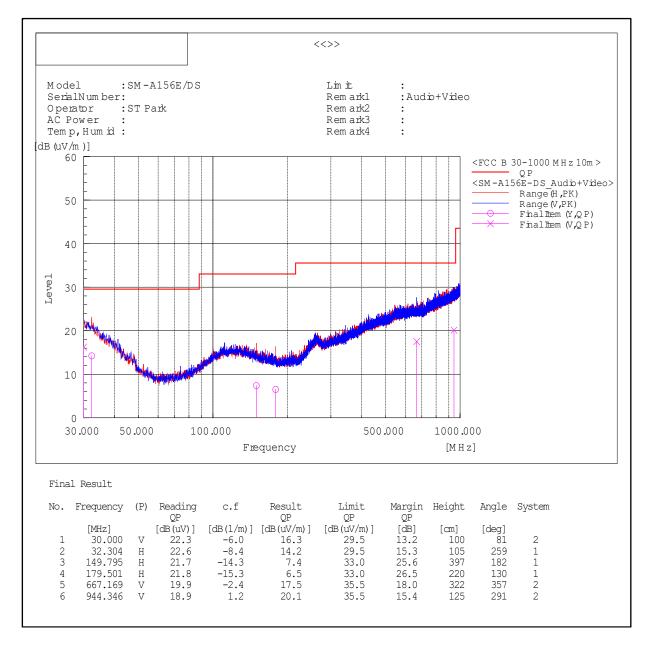


Note 1) We have also tested from 18 GHz to 30 GHz and found no emissions.

Note 2) 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



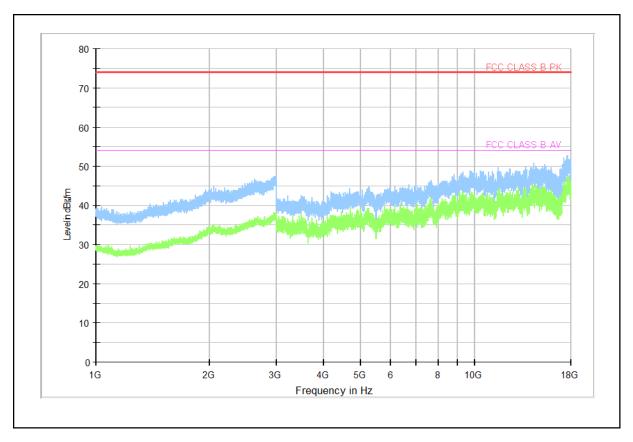
Note1) Result (QP) = Reading (QP) + c.f (Antenna Factor + Cable Loss - Amp. Gain)

Margin (QP) = Limit – Level (QP)

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

Mobile Phone: SM-A156E/DS

- Frequencies above 1 GHz

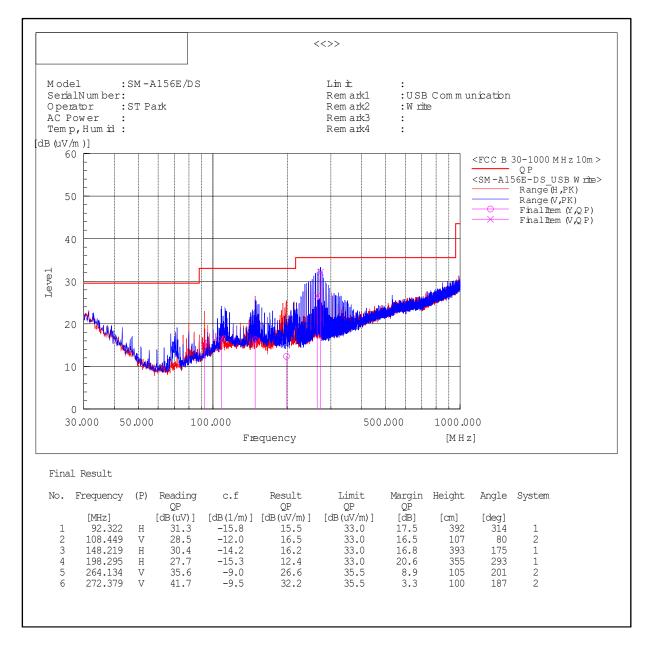


Note 1) We have also tested from 18 GHz to 30 GHz and found no emissions.

Note 2) 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



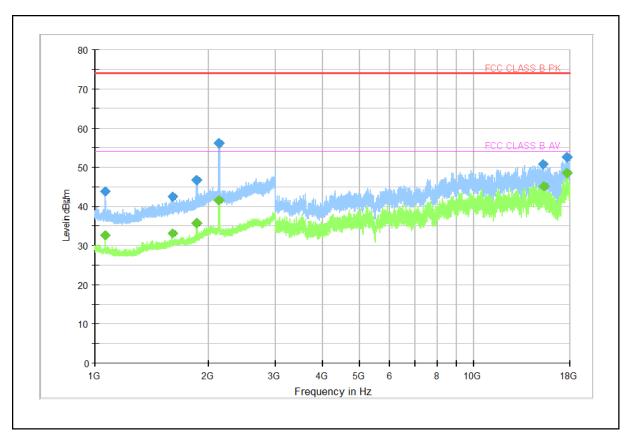
Note1) Result (QP) = Reading (QP) + c.f (Antenna Factor + Cable Loss - Amp. Gain)

Margin (QP) = Limit – Level (QP)

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

Mobile Phone: SM-A156E/DS

- Frequencies above 1 GHz



Frequency (MHz)	PK (dBμV/m)	CAV (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1 061.800	43.80		74.00	30.20	102.30	Н	295.00	10.00
1 062.200		32.57	54.00	21.43	102.50	Н	290.00	10.10
1 598.200	42.38		74.00	31.62	106.10	V	18.00	13.70
1 598.400		33.01	54.00	20.99	102.40	V	115.00	13.70
1 857.600	46.79		74.00	27.21	103.10	V	130.00	15.20
1 859.400		35.76	54.00	18.24	106.20	V	0.00	15.20
2 123.200	56.17		74.00	17.83	107.00	V	264.00	17.10
2 124.400		41.46	54.00	12.54	107.50	V	260.00	17.00
15 277.000	50.77		74.00	23.23	100.00	V	334.00	36.50
15 362.000		45.14	54.00	8.86	102.00	Н	22.00	37.40
17 684.000	52.53		74.00	21.47	103.70	Н	157.00	40.40
17 685.500		48.47	54.00	5.53	104.00	Н	71.00	40.30

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

Note 2) 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