# **EMC TEST REPORT**

Project No.	LBE20230545	Issue No. 0		
	Name of organization	Samsung Electronics Co., Ltd.		
Applicant	Address	(Maetan-dong) 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Korea		
	Date of receipt	October 4, 2023		
EUT	Type of device	<ul> <li>■ All other receivers subject to Part 15</li> <li>■ Class B personal computers and peri</li> <li>■ Other Class B digital devices and peri</li> <li>□ FM Broadcast Receiver</li> </ul>		
	Equipment authorization	■ Certification □ Supplier's Declaration	on of Conformity	
	FCC ID	A3LSMS928B		
	Kind of product	Mobile Phone		
	Model No.	SM-S928B/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 Electronics Vietnam THAI NGUYEN Co., L. Yen Binh Industrial Zone Pho Ten Dist., Thai Nguyen Province, Vietnam  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 / Al	NSI C63.4-2014	
Test Period		October 6, 2023 ~ October 17, 2023		
Issue date		October 20, 2023		
	The state of the s	pe compliant with the applied standards.	,	
Tested by	Seon-Tai Park	Reviewed by : Chang-Eun Pa		

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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	October 20, 2023	There are no revisions and this version is basic test report.

#### **X** 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.

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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:

Description	Model No.	Serial No.	Manufacturer / Trademark	FCC ID	
Mobile Phone	SM-S928B/DS	-	SAMSUNG	A3LSMS928B	
Headset	EO-IC100	-	CRESYN	-	
Data Link Cable	EP-DN980	-	RF TECH	-	
Laptop Computer	Latitude5580	1CHRYM2	Dell	SDoC	
Laptop Computer	Latitude5580	1WYRYM2	Dell	SDoC	
Laptop Computer	Latitude5580	D3HRYM2	Dell	SDoC	
Laptop AC Adapter	LA65NM130	5D77	Dell	SDoC	
Laptop AC Adapter	LA65NM130	5DEA	Dell	SDoC	
Laptop AC Adapter	LA65NM130	5B3C	Dell	SDoC	
Mouse	AA-SM7PCPB	CNBA5903634ADV8J 3211309	SAMSUNG	SDoC	
Mouse	AA-SM7PCPB	CN57BA5903634ADV 8JJCD4371	SAMSUNG	SDoC	
Mouse	SMH-210UB	TAKGA05788Z	SAMSUNG	SDoC	
Router	Router DIR-806A RF0F1D		D-Link	SDoC	
Router	DIR-806A	RF0F1D8018454	D-Link	SDoC	
Router	DIR-806A	RF0F1D8011504	D-Link	SDoC	
Travel Adapter	Travel Adapter EP-TA800		SoluM	-	
Monitor	27UD88	711NTQD8H004	LG	SDoC	
Monitor AC Adapter	LCAP31	EH8NN629490055062	LG	SDoC	
DP Cable	NEXT-JCA141	BW2K1709000770	YCN	-	
S-Pen	EJ-PS928	-	WACOM	-	

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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 FDD26 Center Frequency)
2	Camera (Front) + Charging (w/TA)
3	Video + Audio playback from internal memory + Charging (w/TA)
4	USB data communication with PC (from internal memory)

#### 4.2.2 Radiated Emission

No.	Operating mode
1	Camera (Rear) + Charging (w/TA)
2	Camera (Front) (w/Headset)
3	Video + Audio playback from internal memory (w/Headset)
4	Video + Audio playback from internal memory + Display out (w/ USB to Direct DP cable)
5	USB data communication with PC (from internal memory)

# 4.3 Details of Sampling

Customer selected, single unit.

Mobile Phone: SM-S928B/DS

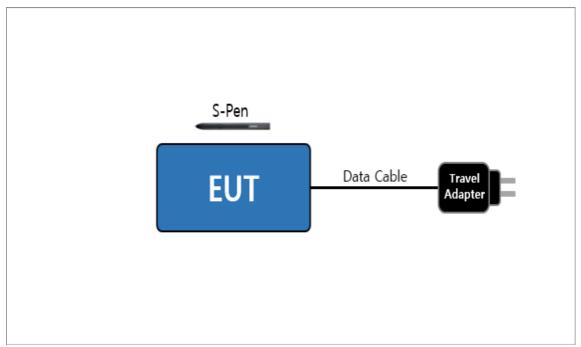
# 4.4 Used cable description

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:

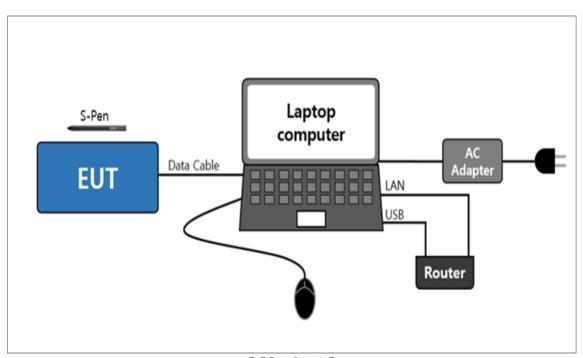
Connected cable	Length [m]	Shielded [Y/N]	Note	
Data Link Cable	1.0	Y	From EUT to Laptop Computer or Travel Adapter	
Headset	1.2	N	For EUT	
Power	1.8	N	From Laptop Computer to AC Adapter	
Power	1.5	N For Laptop AC Adapter		
LAN	1.5	N	From Laptop Computer to Router	
USB	USB 0.8 Y F		From Laptop Computer to Router for DC Power	
USB	1.8	Y	From Laptop Computer to Mouse	
DP Cable	1.1	Y	From EUT to DP Monitor	
Power(DC)	1.2	N	From Monitor to Power Supply	
Power(AC)	Power(AC) 2.2 N		For Monitor Power Supply	

# 4.5 Test arrangement

#### 4.5.1 Conducted Emission

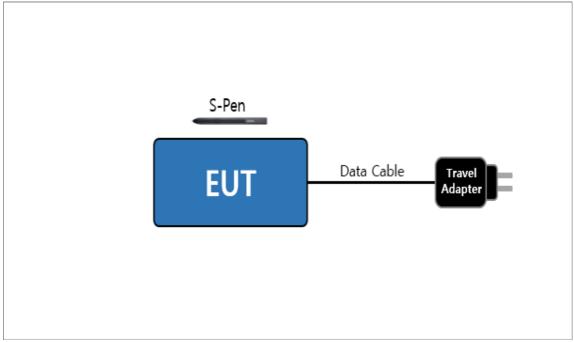


[ Mode 1 – 3 ]

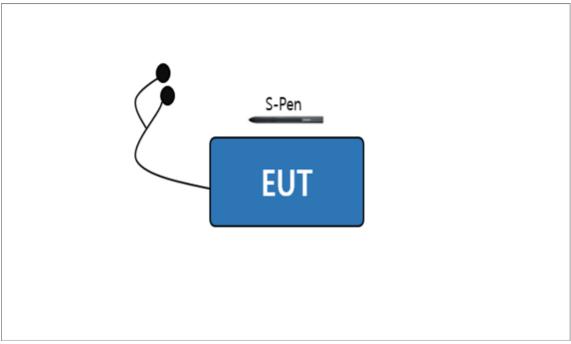


[ Mode 4 ]

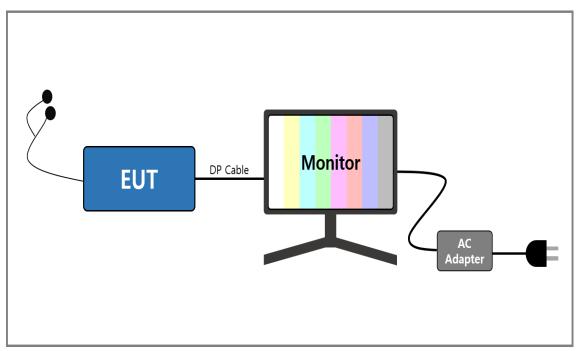
## 4.5.2 Radiated Emission



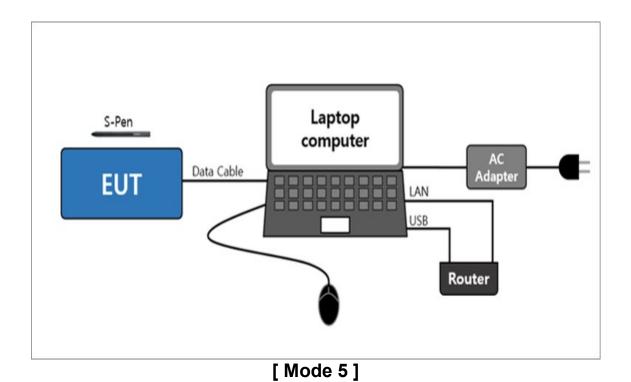
[ Mode 1 ]



[ Mode 2 - 3 ]



[ Mode 4 ]



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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 FDD 1/2/4/5/8, LTE FDD 1/2/3/4/5/7/8/12/13/17/18/19/20/25/26/28/66, LTE TDD 38/39/40/41, 5G NR n1/2/3/5/7/8/12/20/25/26/28/38/40/41/66/77/78 and incorporates Bluetooth, Wi-Fi (802.11 b/g/n/a/ac/ax/be), Camera, Audio, Video, GNSS, UWB, DP, S-Pen, NFC, Wireless Charging and Wireless power sharing.

#### 4.6.1 The variant models

- SM-S928B

## 4.7 EUT Frequencies

The highest frequencies (Generated and used)	Frequency [ MHz ]	
UWB	8 250	

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

The video and audio(1 kHz sound) were played on monitor through display out function using direct DP cable.

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	3.98 dB	
(Below 1 GHz)	Vertical	4.78 dB	
Radiated Emission	Horizontal	5.18 dB	
(Above 1 GHz)	Vertical	5.18 dB	

<sup>\*</sup> 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 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 worst-case data points for each tested configuration. The EUT measured in accordance with the methods described in standards.

Limits for Conducted emission at the mains ports of Class B

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.

#### 5.1.1 Test instrumentation

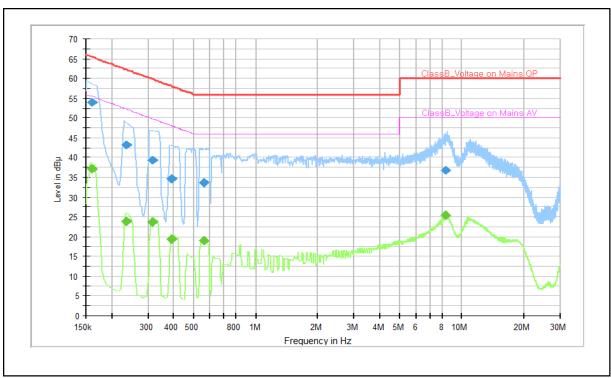
EMC		Model name	Manufacturer	Serial No.	Next Calibration	
No.	Test Instrument				Date	Interval (Month)
E5I-006	LTE Communicator	CMW500	R&S	132728	2024-04-05	12
E5I-127	Two-Line V-Network	ENV216	R&S	102061	2024-01-20	12
E5I-247	EMI Test Receiver	ESW8	R&S	103124	2024-07-21	12
-	Test software	EMC32	R&S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

# 5.1.2 Temperature and humidity condition

Test date	2023-10-17	Test engineer	Seon-Tai Park					
	Ambient temperature	(24.0 ± 1.0) °C	Limit (15.0 to 35.0) ℃					
Climate condition	Humidity	(34.2 ± 1.0) % R.H.	Limit (25.0 to 75.0) % R.H.					
	Atmospheric pressure	Limit (86.0 to 106.0) kPa						
Test place		Shield Room (SR8)						

#### 5.1.3 Test Results

#### □ Operating Mode 1: AC Mains



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

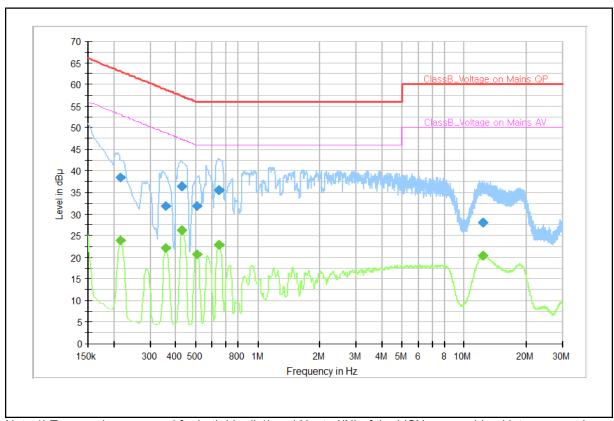
#### QP / CAV final measurement results table:

Frequency (MHz)	QP (dBµV)	CAV (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.161		37.1	55.4	18.3	N	10.2
0.161	54.0		65.4	11.4	N	10.2
0.236		23.8	52.3	28.5	N	9.9
0.236	43.2		62.3	19.0	N	9.9
0.317		23.6	49.8	26.2	N	10.0
0.317	39.3		59.8	20.5	N	10.0
0.391		19.4	48.0	28.7	N	10.2
0.391	34.6		58.0	23.5	N	10.2
0.557		18.9	46.0	27.1	N	10.2
0.557	33.6		56.0	22.4	N	10.2
8.360		25.3	50.0	24.7	N	10.0
8.360	36.8		60.0	23.2	N	10.0

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

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

#### □ 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.

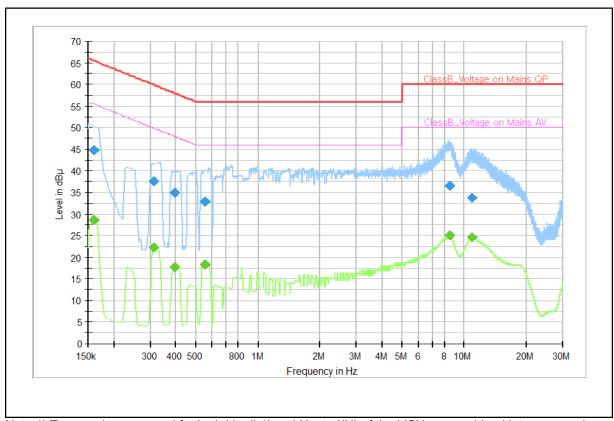
#### QP / CAV final measurement results table:

Frequency (MHz)	QP (dBµV)	CAV (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.215		23.8	53.0	29.2	L1	10.0
0.215	38.5		63.0	24.5	L1	10.0
0.355		22.0	48.9	26.8	N	10.1
0.355	31.9		58.9	26.9	N	10.1
0.429		26.2	47.3	21.1	N	10.2
0.429	36.5		57.3	20.8	N	10.2
0.506		20.8	46.0	25.2	N	10.2
0.506	31.9		56.0	24.1	N	10.2
0.650		22.8	46.0	23.2	N	10.1
0.650	35.6		56.0	20.4	N	10.1
12.329		20.3	50.0	29.7	N	10.3
12.329	28.0		60.0	32.0	N	10.3

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)

#### □ 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.

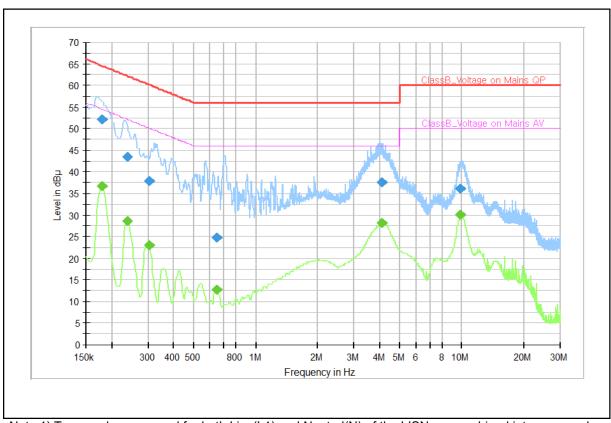
#### QP / CAV final measurement results table:

Frequency (MHz)	QP (dBµV)	CAV (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.161		28.6	55.4	26.8	N	10.2
0.161	44.8		65.4	20.6	N	10.2
0.312	37.5		59.9	22.4	L1	10.1
0.312		22.4	49.9	27.5	L1	10.1
0.395		17.7	48.0	30.2	L1	10.2
0.395	34.9		58.0	23.0	L1	10.2
0.551		18.4	46.0	27.6	N	10.2
0.551	32.8		56.0	23.2	N	10.2
8.509		25.0	50.0	25.0	N	10.0
8.509	36.6		60.0	23.4	N	10.0
10.952	33.8		60.0	26.2	L1	10.1
10.952		24.7	50.0	25.3	L1	10.1

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)

#### □ 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)
0.179		36.7	54.5	17.8	L1	10.1
0.179	52.3		64.5	12.3	L1	10.1
0.238		28.5	52.2	23.7	L1	9.8
0.238	43.4		62.2	18.8	L1	9.8
0.303		23.0	50.2	27.2	L1	9.8
0.303	37.9		60.2	22.3	L1	9.8
0.645		12.7	46.0	33.3	L1	9.9
0.645	24.9		56.0	31.1	L1	9.9
4.085	37.5		56.0	18.5	N	9.8
4.085		28.2	46.0	17.8	N	9.8
9.879		30.1	50.0	19.9	L1	9.8
9.879	36.2		60.0	23.8	L1	9.8

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)

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#### 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 ]	•		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 ]	<u> </u>		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.

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## 5.2.1 Test instrumentation

EMC		Model			Next Calil	oration
No.	Test Instrument	name	Manufacturer	Serial No.	Date	Interval (Month)
E5I-016	EMI Test Receiver	ESU8	R&S	100482	2024-06-16	12
E5I-018	EMI Test Receiver	ESU8	R&S	100484	2024-05-23	12
E5I-021	EMI Test Receiver	ESU40	R&S	100376	2024-01-30	12
E5I-248	EMI Test Receiver	ESW44	R&S	103129	2024-07-21	12
E5I-072	BiLog Antenna	CBL6112D	TESEQ	36009	2024-05-26	24
E5I-223	6 dB Fixed Attenuator	8491B-006	Agilent	58359	2024-05-26	24
E5I-120	BiLog Antenna	CBL6112D	TESEQ	36997	2024-05-26	24
E5I-189	6 dB Fixed Attenuator	8491A	Keysight	MY52462295	2024-05-26	24
E5I-073	Preamplifier	310N	SONOMA	332016	2024-04-05	12
E5I-074	Preamplifier	310N	SONOMA	332017	2024-04-05	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	2024-09-21	12
-	Test software	EP7RE	TOYO	Ver 8.0.20	-	-
-	Test software	EMC32	R&S	Ver 10.60.20	-	-

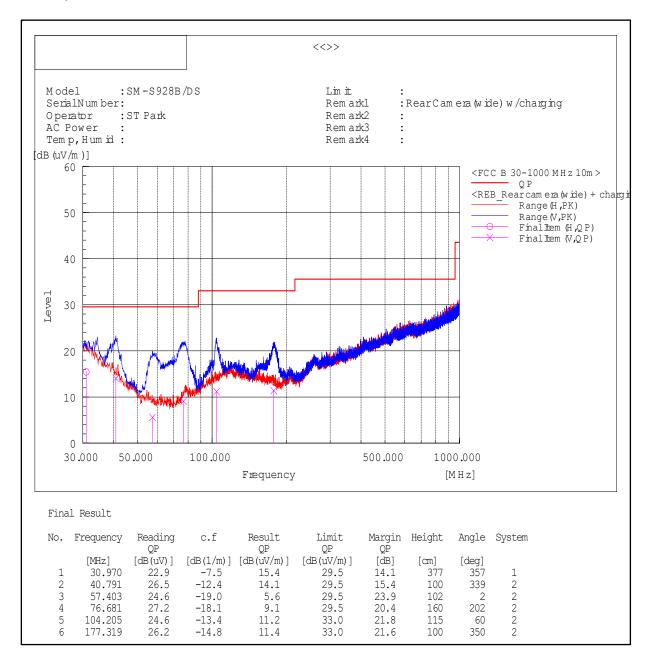
# **5.2.2 Temperature and humidity condition**

Test date	2023-10-06, 2023-10-16	Test engineer	Seon-Tai Park			
	Ambient temperature	(21.5 ± 1.0) °C	Limit (15.0 to 35.0) °C			
Climate condition	Humidity	(41.8 ± 1.0) % R.H.	Limit (25.0 to 75.0) % R.H.			
	Atmospheric pressure	Limit (86.0 to 106.0) kPa				
Test place	Semi-Anechoic Chamber (SAC4 & SAC5)					

#### 5.2.3 Test Results

#### □ Operating Mode 1

#### - Frequencies below 1 GHz



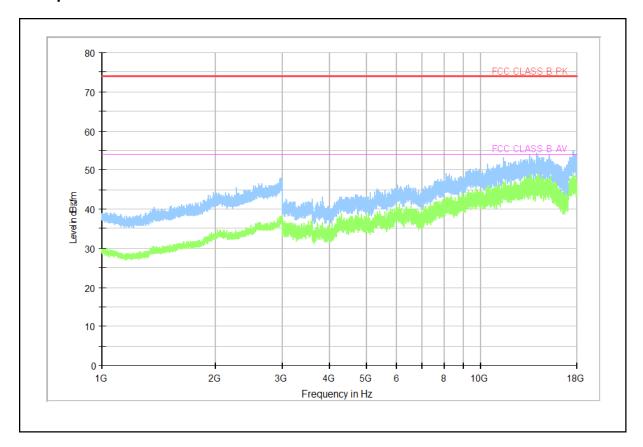
Note1) Result (QP) = Reading (QP) + c.f (Antenna Factor + Cable Loss - Amp. Gain)

Margin (QP) = Limit – Level (QP)

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

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#### - Frequencies above 1 GHz



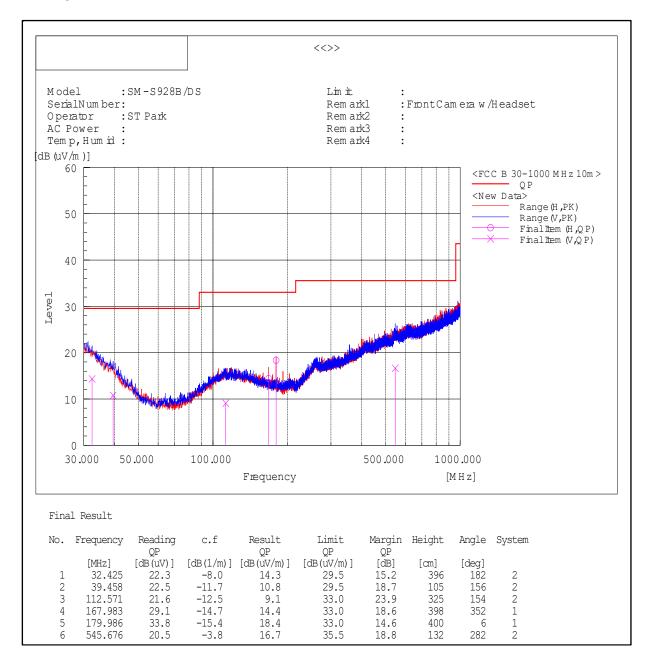
Note 1) We have also tested from 18 GHz to 40 GHz and found no emissions.

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)

#### □ Operating Mode 2

#### - Frequencies below 1 GHz



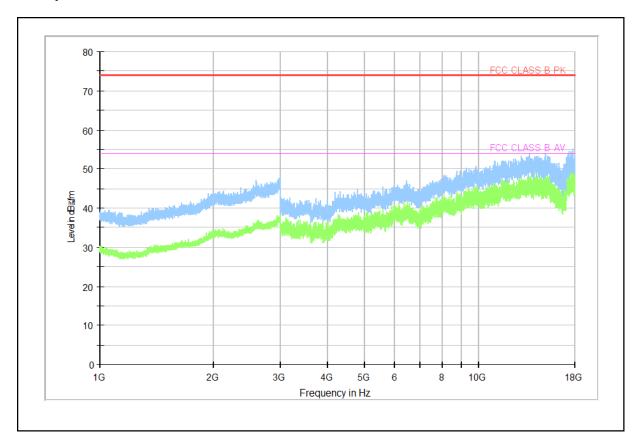
Note1) Result (QP) = Reading (QP) + c.f (Antenna Factor + Cable Loss - Amp. Gain)

Margin (QP) = Limit – Level (QP)

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

Mobile Phone: SM-S928B/DS

## - Frequencies above 1 GHz



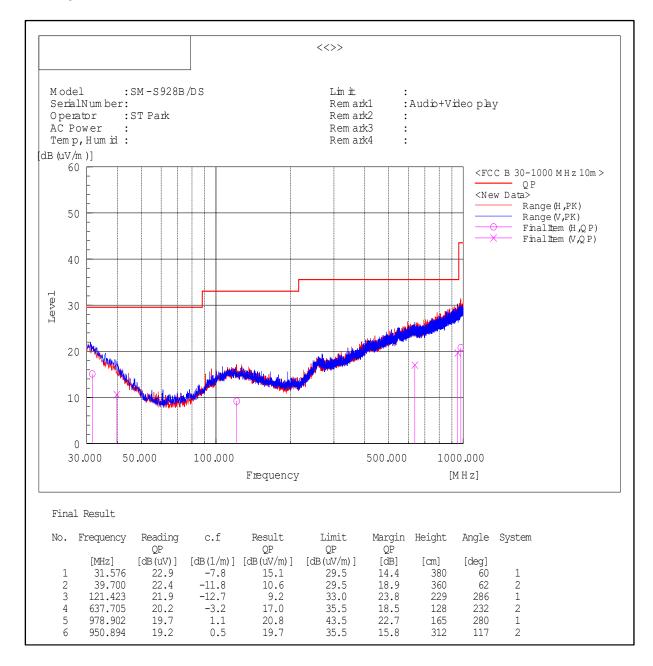
Note 1) We have also tested from 18 GHz to 40 GHz and found no emissions.

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)

#### □ Operating Mode 3

#### - Frequencies below 1 GHz



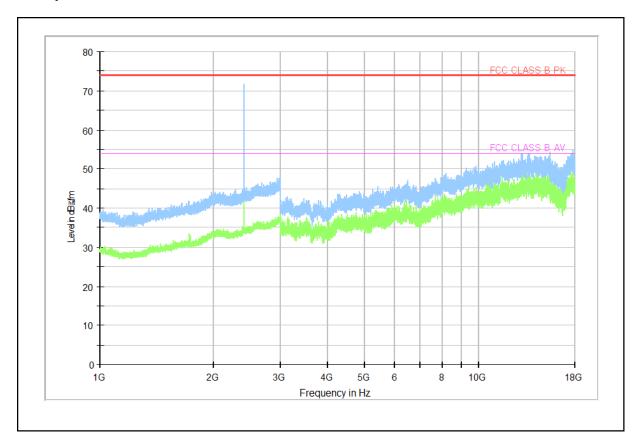
Note1) Result (QP) = Reading (QP) + c.f (Antenna Factor + Cable Loss - Amp. Gain)

Margin (QP) = Limit – Level (QP)

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

Mobile Phone: SM-S928B/DS

#### - Frequencies above 1 GHz



Note 1) We have also tested from 18 GHz to 40 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)

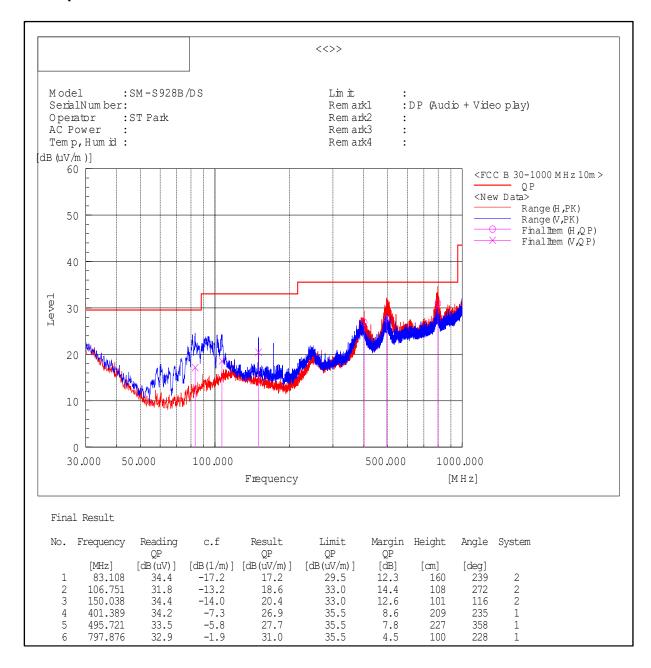
PK = Peak, CAV = CISPR-Average, Corr. = Correction Factor

Note 3) Radiated emissions (Tx / Rx frequency) from the transceiver shall be ignored.

- Data transmission in the 2.4 GHz ISM band (Bluetooth/Wi-Fi)
- : Operating frequencies (2 400 ~ 2 483.5) MHz

#### □ Operating Mode 4

#### - Frequencies below 1 GHz

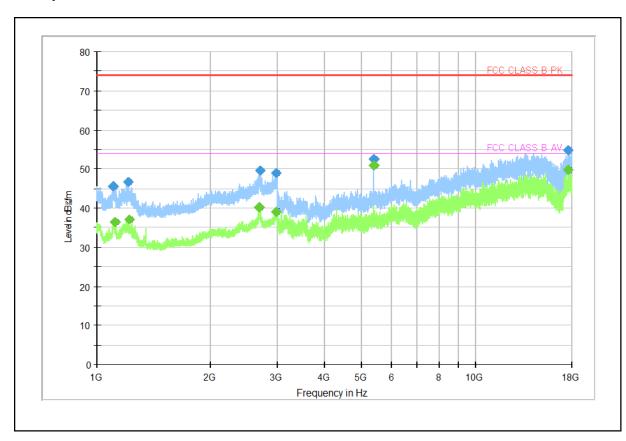


Note1) Result (QP) = Reading (QP) + c.f (Antenna Factor + Cable Loss - Amp. Gain)

Margin (QP) = Limit – Level (QP)

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

#### - Frequencies above 1 GHz



Frequency (MHz)	PK (dBµV/m)	CAV (dBμV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1 105.000	45.54		74.00	28.46	111.00	V	303.00	10.00
1 115.400		36.34	54.00	17.66	104.00	V	308.00	9.80
1 208.600	46.65		74.00	27.35	102.00	Н	248.00	10.00
1 212.800		37.00	54.00	17.00	100.00	Н	248.00	10.10
2 686.800		40.32	54.00	13.68	105.00	Н	140.00	19.60
2 692.000	49.69		74.00	24.31	107.00	Н	134.00	19.60
2 969.200		39.04	54.00	14.96	101.00	Н	154.00	20.80
2 980.600	48.92		74.00	25.08	101.00	V	122.00	21.10
5 400.000		50.88	54.00	3.12	108.00	Н	127.00	12.10
5 400.000	52.55		74.00	21.45	110.00	Н	127.00	12.10
17 536.000		49.82	54.00	4.18	112.00	V	61.00	40.20
17 555.500	54.70		74.00	19.30	103.00	Н	73.00	40.40

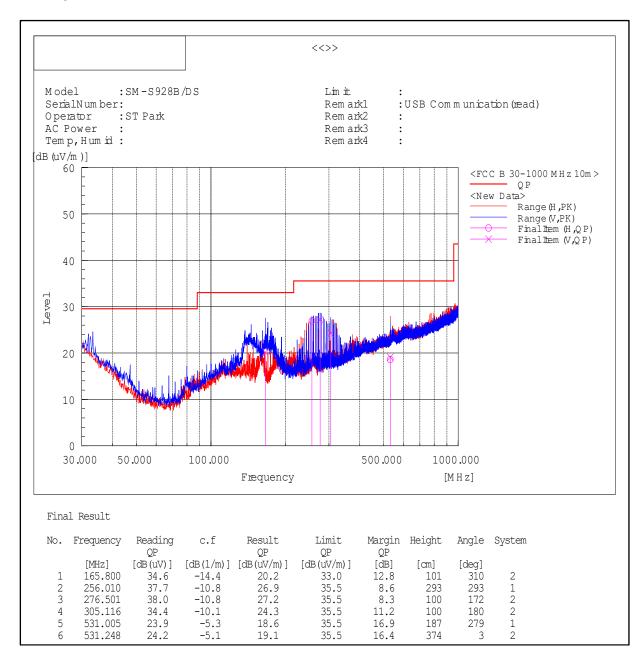
Note 1) We have also tested from 18 GHz to 40 GHz and found no emissions.

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)

#### □ Operating Mode 5

#### - Frequencies below 1 GHz

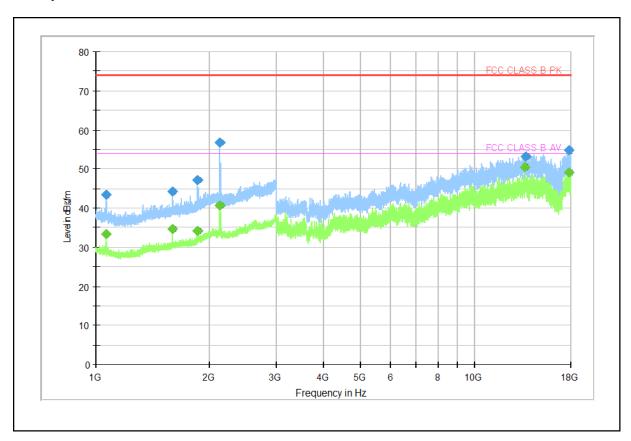


Note1) Result (QP) = Reading (QP) + c.f (Antenna Factor + Cable Loss - Amp. Gain)

Margin (QP) = Limit – Level (QP)

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

## - Frequencies above 1 GHz



Frequency (MHz)	PK (dBµV/m)	CAV (dBμV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1 064.200	43.33		74.00	30.67	104.00	V	9.00	10.10
1 064.400		33.34	54.00	20.66	101.00	V	0.00	10.10
1 596.600	44.16		74.00	29.84	100.00	V	90.00	13.60
1 596.600		34.53	54.00	19.47	113.00	V	90.00	13.60
1 859.600		34.18	54.00	19.82	102.00	V	5.00	15.20
1 860.400	47.09		74.00	26.91	105.00	V	0.00	15.20
2 125.000	56.75		74.00	17.25	100.00	V	348.00	17.00
2 125.000		40.63	54.00	13.37	100.00	V	348.00	17.00
13 622.000		50.44	54.00	3.56	109.00	V	200.00	34.30
13 623.000	53.15		74.00	20.85	107.00	V	42.00	34.20
17 799.500	54.69		74.00	19.31	106.00	Н	126.00	40.80
17 822.000		49.20	54.00	4.80	103.00	Н	24.00	40.70

Note 1) We have also tested from 18 GHz to 40 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

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