

CERTIFICATION TEST REPORT

Report Number. : 4791196642-E1V1

Applicant : SAMSUNG ELECTRONICS CO., LTD.
129 SAMSUNG-RO, YEONGTONG-GU, SUWON-SI,
GYEONGGI-DO, 16677, KOREA

Model : SC-55E, SCG28

FCC ID : A3LSMF956JPN

EUT Description : GSM/WCDMA/LTE/5G NR Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax,
NFC, WPT and UWB.

Test Standard(s) : FCC 47 CFR PART 15 SUBPART B

Date Of Issue:
2024-05-31

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Revision History

<u>Rev.</u>	<u>Issue Date</u>	<u>Revisions</u>	<u>Revised By</u>
V1	2024-05-31	Initial issue	Yeonhee Lim

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: SAMSUNG ELECTRONICS CO., LTD.
EUT DESCRIPTION: GSM/WCDMA/LTE/5G NR Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax, NFC, WPT and UWB.
MODEL NUMBER: SC-55E, SCG28
SERIAL NUMBER: R3CX30KWTZA (RADIATED)
DATE TESTED: 2024-05-10 ~ 2024-05-17;

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC PART 15B	Complies

UL KOREA LTD. Tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by UL KOREA LTD. Based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL KOREA LTD. And all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL KOREA LTD. Will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by IAS, any agency of the Federal Government, or any agency of any government.

Approved & Released For
UL KOREA LTD. By:



Steven(SangYun) Kim
Suwon Lab Engineer
UL KOREA LTD.

Tested By:



Yeonhee Lim
Suwon Lab Engineer
UL KOREA LTD.

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with following methods.

1. FCC 47 CFR Part 2.
2. FCC 47 CFR Part 15.
3. ANSI C63.4-2014

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea. Line conducted emissions are measured only at the 218 address. The following table identifies which facilities were utilized for radiated emission measurements documented in this report. Specific facilities are also identified in the test results sections.

218 Maeyeong-ro	
<input checked="" type="checkbox"/>	Chamber 1(3m semi-anechoic chamber)
<input checked="" type="checkbox"/>	Chamber 2(3m semi-anechoic chamber)
<input type="checkbox"/>	Chamber 3(3m semi-anechoic chamber)
<input type="checkbox"/>	Chamber 4(3m Full-anechoic chamber)
<input type="checkbox"/>	Chamber 5(3m Full-anechoic chamber)

UL KOREA LTD. Is accredited by IAS, Laboratory Code TL-637. The full scope of accreditation can be viewed at <https://www.iasonline.org/wp-content/uploads/2017/05/TL-637-cert-New.pdf>.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2. SAMPLE CALCULATION

Where relevant, the following sample calculation is provided:

$$\begin{aligned} \text{Field Strength (dBuV/m)} &= \text{Measured Voltage (dBuV)} + \text{Antenna Factor (dB/m)} + \\ &\text{Cable Loss (dB)} - \text{Preamp Gain (dB)} \\ 28.9 \text{ dBuV/m} &= 36.5 \text{ dBuV} + 18.7 \text{ dB/m} + 0.6 \text{ dB} - 26.9 \text{ dB} \end{aligned}$$

$$\begin{aligned} \text{Corrected Reading (dBuV)} &= \text{Meter Reading (dBuV)} + \text{External Cable (dB)} + \\ &\text{Cableloss (dB)} \\ 46.62 \text{ dBuV} + 9.8 \text{ dB} + 0.1 \text{ dB} &= 56.52 \text{ dBuV} \end{aligned}$$

4.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	UNCERTAINTY
Conducted Disturbance, 0.15 to 30 MHz	2.79 dB
Radiated Disturbance, 30 MHz to 1 GHz	4.07 dB
Radiated Disturbance, 1 GHz to 18 GHz	4.99 dB

Uncertainty figures are valid to a confidence level of 95%.

4.4. DECISION RULE

Decision rule for statement(s) of conformity is based on Clause 4.3.3 in IEC Guide 115:2023.

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is a GSM/WCDMA/LTE/5G NR Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax, NFC, WPT and UWB. This test report addresses the WWAN operational mode.

Representative model	Difference	Derivative model
		SCG28
SC-55E	Hardware	Same as SC-55E
	Software	Different UI

The model SC-55E was used for final testing and is representative of the test results in this report.

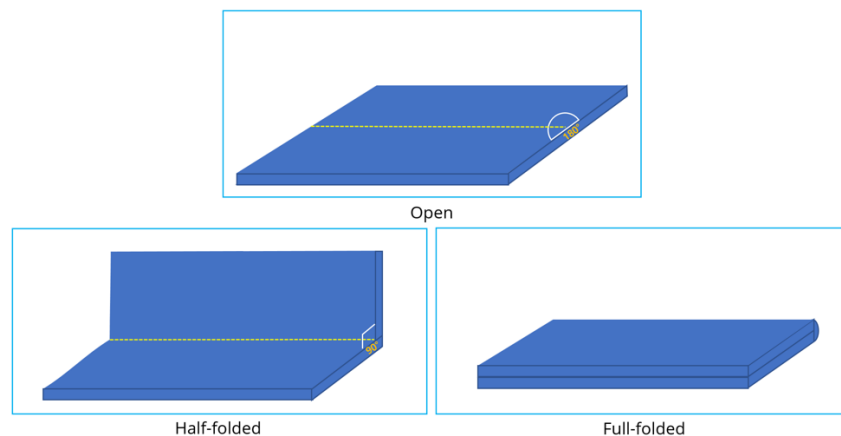
5.2. TEST MODE AND WORST-CASE ORIENTATION

The EUT was tested while operating in licensed band Rx mode.

The EUT operate 30 MHz – 960 MHz in following bands :
 GSM 850, WCDMA B5, LTE B5, LTE B12, LTE B13, NR n5

Only the worst case emissions are reported. Worst Case is GSM 850.

The fundamental and radiated spurious emission were investigated in three orthogonal orientations X,Y and Z, it was determined that below orientation was worst-case orientation for each band.



- Worst Axis Condition

Band	Worst Case		
	X	Y	Z
GSM 850	Open	-	-

5.3. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacture	Model	Serial Number	FCC ID
Charger	SAMSUNG	EP-TA800	R37N9QP4R69DK3	N/A
Data Cable	SAMSUNG	EP-DN980	GH39-02117A	N/A

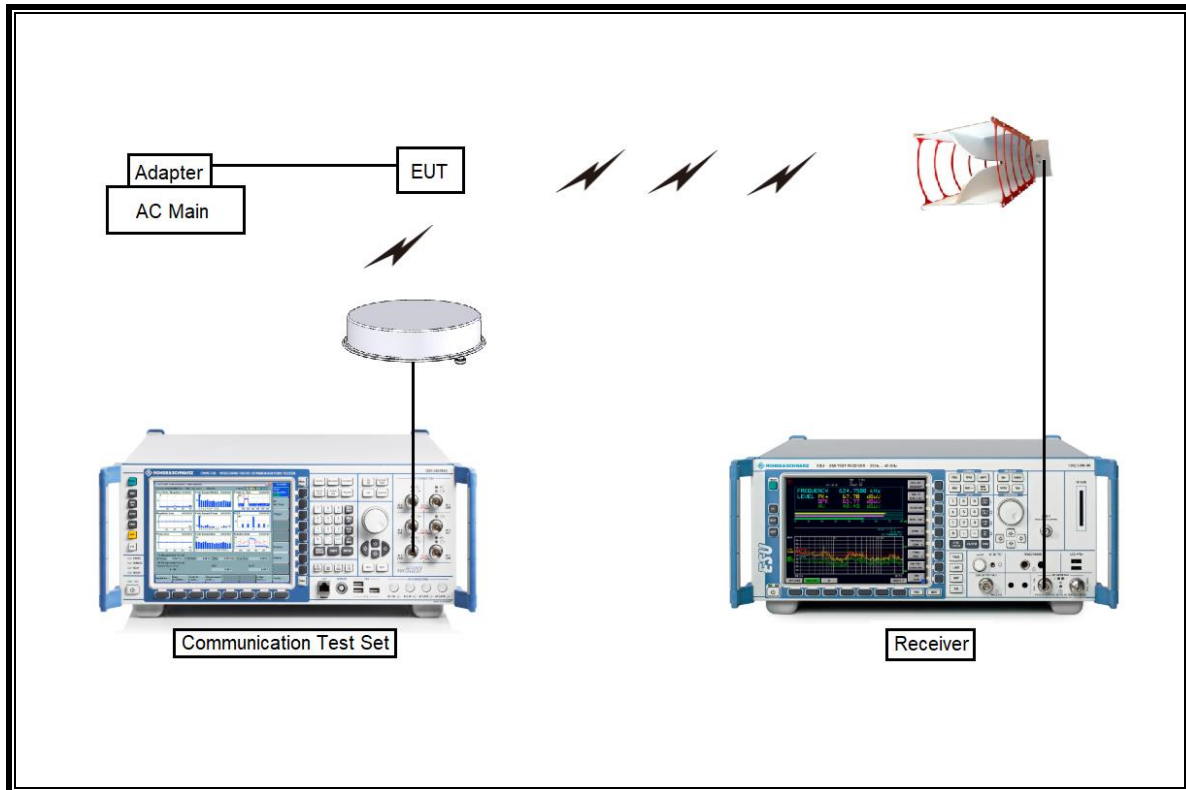
I/O CABLE

I/O Cable List						
Cable No.	Port	# of identical ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	DC Power	1	C Type	Shielded	1.0 m	N/A

TEST SETUP

The EUT is continuously communicated with the call box during the tests. Also attached with travel adapter for the worst case condition.

SETUP DIAGRAM FOR TESTS (RADIATED TEST SETUP)



6. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

Test Equipment List				
Description	Manufacturer	Model	S/N	Cal Due
Antenna, Tuned Dipole 400~1000 MHz	ETS	3121D DB4	00164753	2025-01-17
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB9163	750	2024-08-15
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB9163	845	2024-08-15
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB9163	749	2024-08-15
Communications Test Set	R&S	CMW500	169797	2024-07-23
Preamplifier, 1000 MHz	Sonoma	310N	341282	2024-07-24
Preamplifier, 1000 MHz	Sonoma	310N	370599	2024-07-24
Preamplifier, 1000 MHz	Sonoma	310N	351741	2024-07-24
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	2029169	2024-07-24
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	1896138	2024-07-25
EMI Test Receive, 40 GHz	R&S	ESU40	100439	2024-07-23
EMI Test Receive, 40 GHz	R&S	ESU40	100457	2024-07-24
Directional Antenna	Cobham	FPA3-0.8-6.0R/1329	80108-0004	N/A
Directional Antenna	Cobham	FPA3-0.8-6.0R/1329	110367-0003	N/A
High Pass Filter 1.2GHz	Micro-Tronics	HPM50108-02	G005	2024-07-23
High Pass Filter 1.2GHz	Micro-Tronics	HPM50108-02	G006	2024-07-23
High Pass Filter 2.8GHz	Micro-Tronics	HPM50111-02	010	2024-07-24
High Pass Filter 2.8GHz	Micro-Tronics	HPM50111-02	011	2024-07-24
High Pass Filter 4GHz	Micro-Tronics	HPM50118-02	G001	2024-07-23
High Pass Filter 4GHz	Micro-Tronics	HPM50118-02	G002	2024-07-24
Attenuator	PASTERNAK	PE7087-10	A009	2024-07-24
Attenuator	PASTERNAK	PE7087-10	A001	2024-07-24
Attenuator	PASTERNAK	PE7087-10	A008	2024-07-27
Attenuator	PASTERNAK	PE7004-10	A015	2024-07-23
Attenuator	PASTERNAK	PE7395-10	A011	2024-07-25
EMI Test Receive, 3 GHz	R&S	ESR3	101832	2024-07-23
LISN	R&S	ENV-216	101836	2024-07-23
LISN	R&S	ENV-216	101837	2024-07-23
UL Software				
Description	Manufacturer	Model	Version	
Radiated software	UL	UL EMC	Ver 9.5	
AC Line Conducted software	UL	UL EMC	Ver 9.5	

7. APPLICABLE LIMITS AND TEST RESULTS

7.1. RADIATED EMISSIONS

TEST PROCEDURE

ANSI C63.4-2014

LIMIT

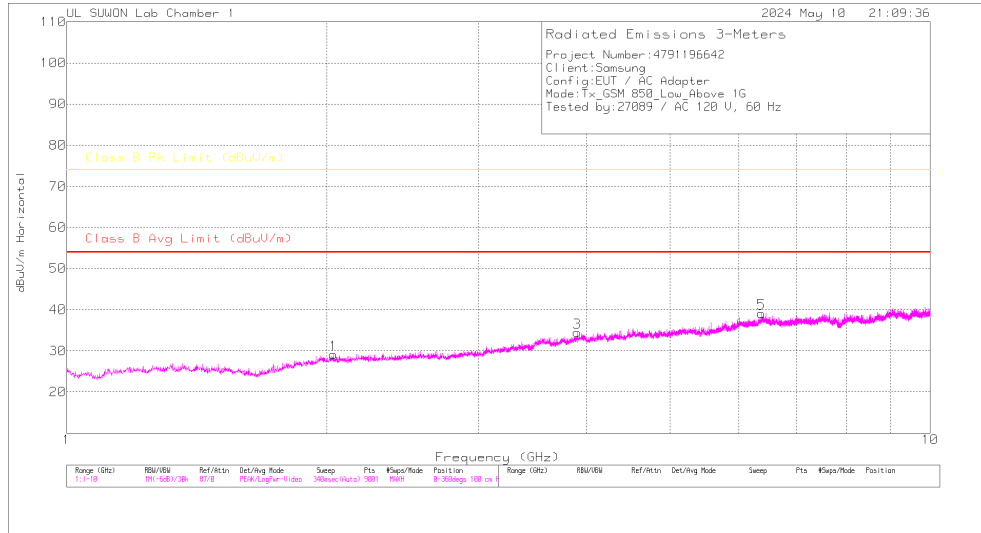
§15.109 (a) Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Limits for radiated disturbance of Class B ITE at measuring distance of 3 m	
Frequency range (MHz)	Quasi-peak limits (dB μ V/m)
30 to 88	40
88 to 216	43.5
216 to 960	46
Above 960 MHz	54
Note: The lower limit shall apply at the transition frequency.	

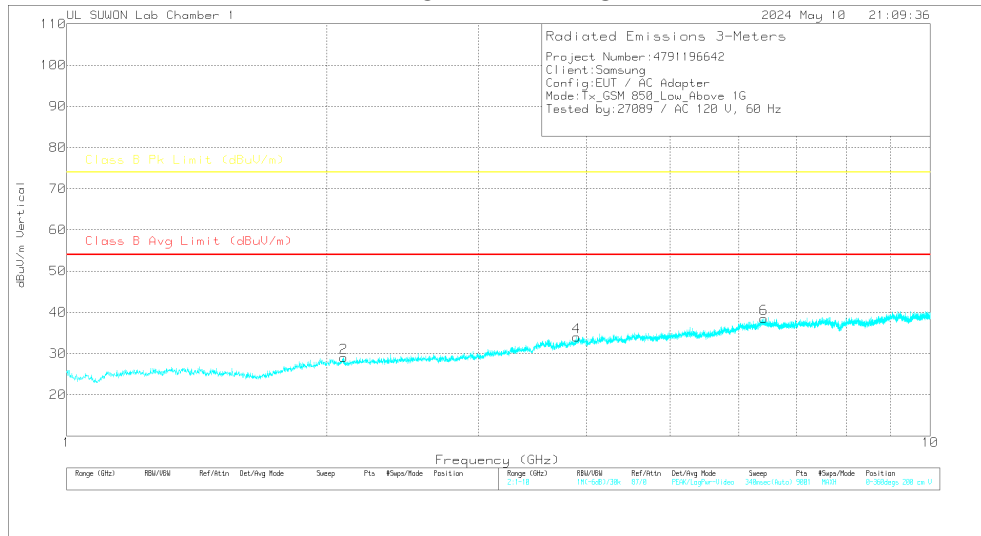
7.1.1. Above 1 GHz

LOW CHANNEL(869.2 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

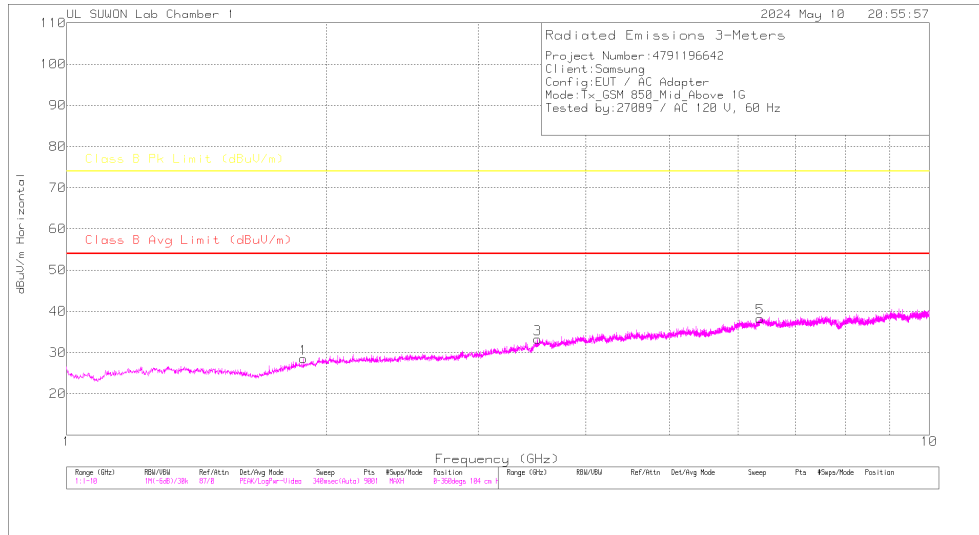
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016871 7	1-10GHz(dB)	1G HPF[dB]	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CISPR)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.037	42.55	Pk	31.4	-38.5	.9	36.35	-	-	74	-37.65	0	100	H
2.037	29.8	Ca	31.4	-38.5	.9	23.6	54	-30.4	-	-	0	100	H
2.093	41.43	Pk	31.6	-38.4	.8	35.43	-	-	74	-38.57	0	100	V
2.093	29.84	Ca	31.6	-38.4	.8	23.84	54	-30.16	-	-	0	100	V
3.901	40.87	Pk	34	-34.3	.7	41.27	-	-	74	-32.73	0	100	H
3.901	28.29	Ca	34	-34.3	.7	28.69	54	-25.31	-	-	0	100	H
3.897	40.44	Pk	34	-34.4	.7	40.74	-	-	74	-33.26	0	100	V
3.897	28.23	Ca	34	-34.4	.7	28.53	54	-25.47	-	-	0	100	V
6.378	39.85	Pk	35.3	-31	.8	44.95	-	-	74	-29.05	0	100	H
6.378	27.92	Ca	35.3	-31	.8	33.02	54	-20.98	-	-	0	100	H
6.416	39.66	Pk	35.3	-30.9	.8	44.86	-	-	74	-29.14	0	100	V
6.416	28.12	Ca	35.3	-30.9	.8	33.32	54	-20.68	-	-	0	100	V

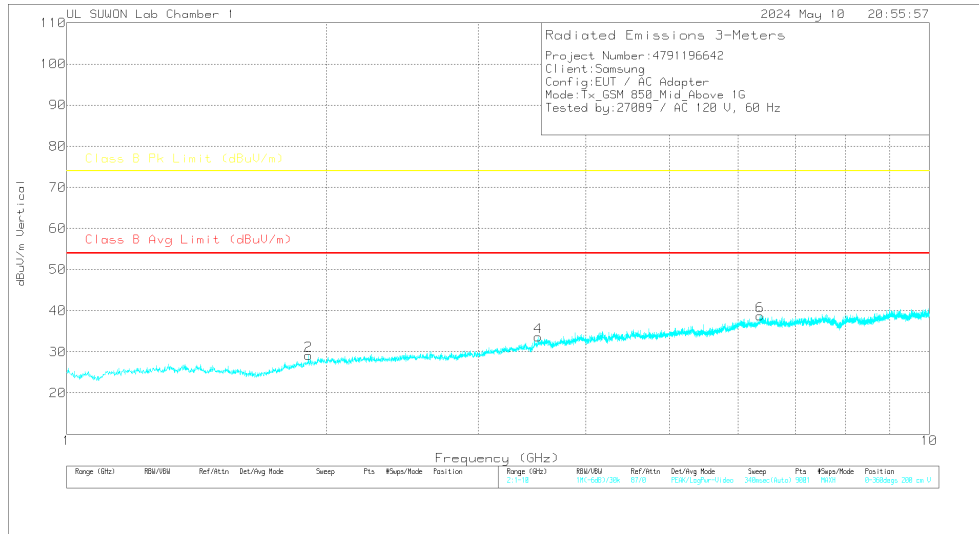
Pk - Peak detector
 Ca - CISPR average detection

MID CHANNEL(881.6 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

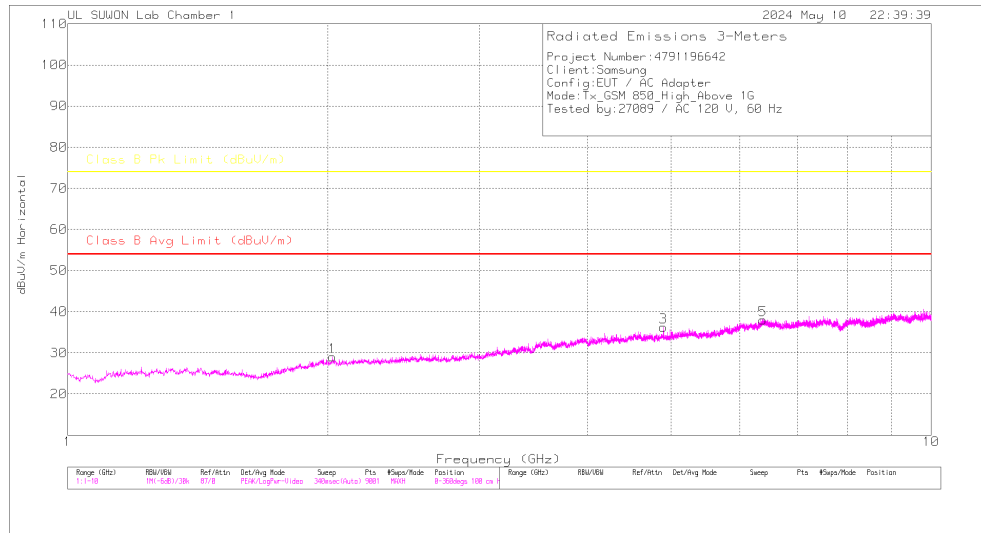
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016871 7	1-18GHz(dB)	1G HPF[dB]	Corrected Reading (dBuV/m)	Class B Avg Limit (dBuV/m)	Av(CISPR)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.881	41.46	Pk	30.6	-38.7	.9	34.26	-	-	74	-39.74	0	100	H
1.881	29.82	Ca	30.6	-38.7	.9	22.62	54	-31.38	-	-	0	100	H
1.906	41.73	Pk	30.8	-38.6	.9	34.83	-	-	74	-39.17	0	100	V
1.906	30.12	Ca	30.8	-38.6	.9	23.22	54	-30.78	-	-	0	100	V
3.516	41.34	Pk	33.3	-35.4	.9	40.14	-	-	74	-33.86	0	100	H
3.516	28.93	Ca	33.3	-35.4	.9	27.73	54	-26.27	-	-	0	100	H
3.519	40.58	Pk	33.3	-35.3	.9	39.48	-	-	74	-34.52	0	100	V
3.519	29.02	Ca	33.3	-35.3	.9	27.92	54	-26.08	-	-	0	100	V
6.369	39.75	Pk	35.3	-31	.8	44.85	-	-	74	-29.15	0	100	H
6.369	27.85	Ca	35.3	-31	.8	32.95	54	-21.05	-	-	0	100	H
6.365	39.97	Pk	35.3	-31	.8	45.07	-	-	74	-28.93	0	100	V
6.365	27.83	Ca	35.3	-31	.8	32.93	54	-21.07	-	-	0	100	V

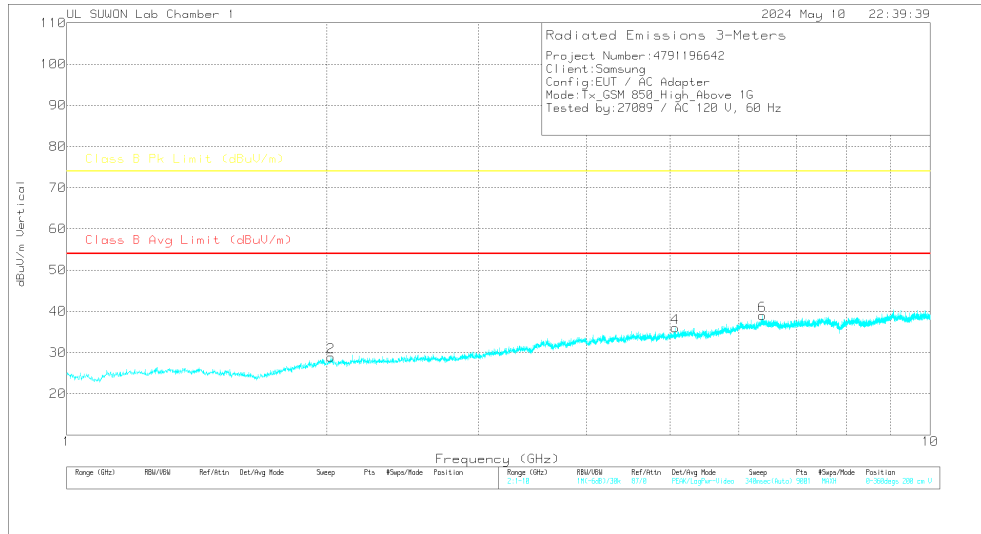
Pk - Peak detector
 Ca - CISPR average detection

HIGH CHANNEL(893.8 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Radiated Emissions

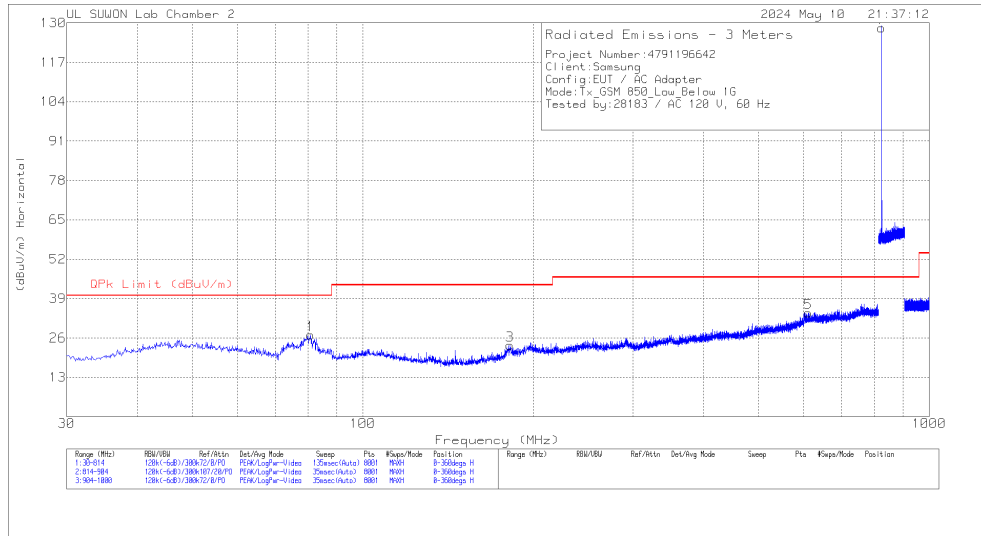
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016871 7	1-18GHz(dB)	1G HPF(dB)	Corrected Reading (dBuV/m)	Class B Avg Limit (dBuV/m)	Av(CISPR)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.026	41.77	Pk	31.4	-38.4	.9	35.67	-	-	74	-38.33	0	100	H
2.026	29.76	Ca	31.4	-38.4	.9	23.66	54	-30.34	-	-	0	100	H
2.022	41.65	Pk	31.4	-38.5	.9	35.45	-	-	74	-38.55	0	100	V
2.022	29.8	Ca	31.4	-38.5	.9	23.6	54	-30.4	-	-	0	100	V
4.897	40.92	Pk	34.2	-33.7	.7	42.12	-	-	74	-31.88	0	100	H
4.897	29.05	Ca	34.2	-33.7	.7	30.25	54	-23.75	-	-	0	100	H
5.069	40.95	Pk	34.3	-33.6	.6	42.25	-	-	74	-31.75	0	100	V
5.069	28.82	Ca	34.3	-33.6	.6	30.12	54	-23.88	-	-	0	100	V
6.38	39.63	Pk	35.3	-30.9	.8	44.83	-	-	74	-29.17	0	100	H
6.38	27.84	Ca	35.3	-30.9	.8	33.04	54	-20.96	-	-	0	100	H
6.393	39.9	Pk	35.3	-30.9	.8	45.1	-	-	74	-28.9	0	100	V
6.393	27.93	Ca	35.3	-30.9	.8	33.13	54	-20.87	-	-	0	100	V

Pk - Peak detector
 Ca - CISPR average detection

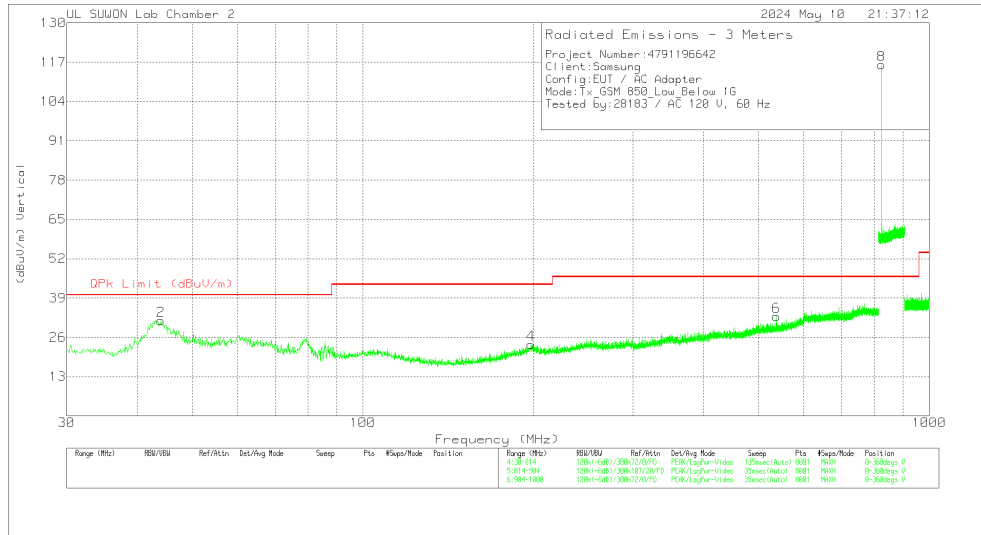
7.1.2. Below 1 GHz

LOW CHANNEL(869.2 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

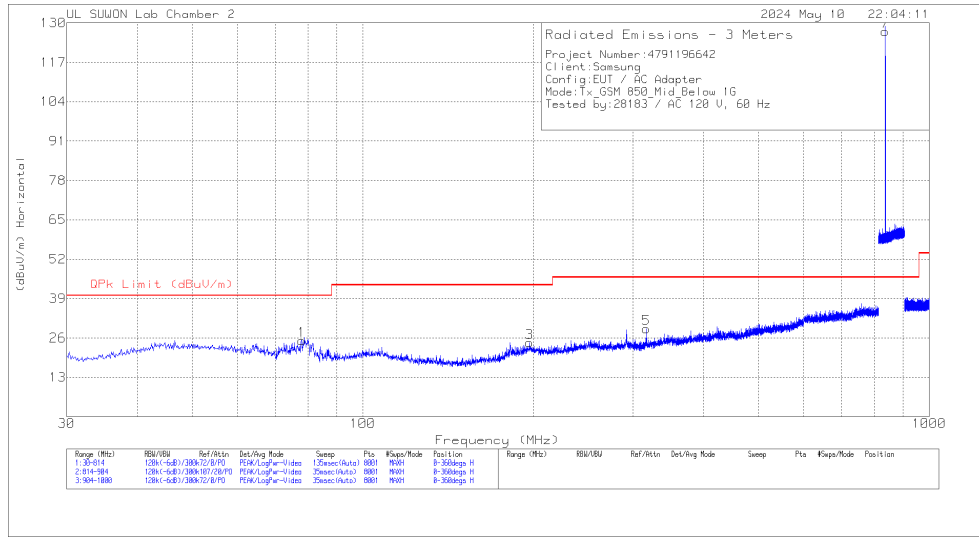
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Below_1G_Bypass (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	80.862	12.99	Pk	13	1.1	27.09	40	-12.91	0-360	100	H
2	44.014	11.02	Pk	19.7	.8	31.52	40	-8.48	0-360	200	V
3	181.9	6.46	Pk	15.6	1.6	23.66	43.52	-19.86	0-360	100	H
4	198.07	4	Pk	18	1.7	23.7	43.52	-19.82	0-360	300	V
5	611.336	6.34	Pk	24.9	3.1	34.34	46.02	-11.68	0-360	300	H
6	537.934	6.73	Pk	23.3	2.9	32.93	46.02	-13.09	0-360	400	V
7	824.1588	98.13	Pk	26.5	3.7	128.33	46.02	82.31	0-360	200	H
8	824.1588	85.89	Pk	26.5	3.7	116.09	46.02	70.07	0-360	100	V

Pk - Peak detector

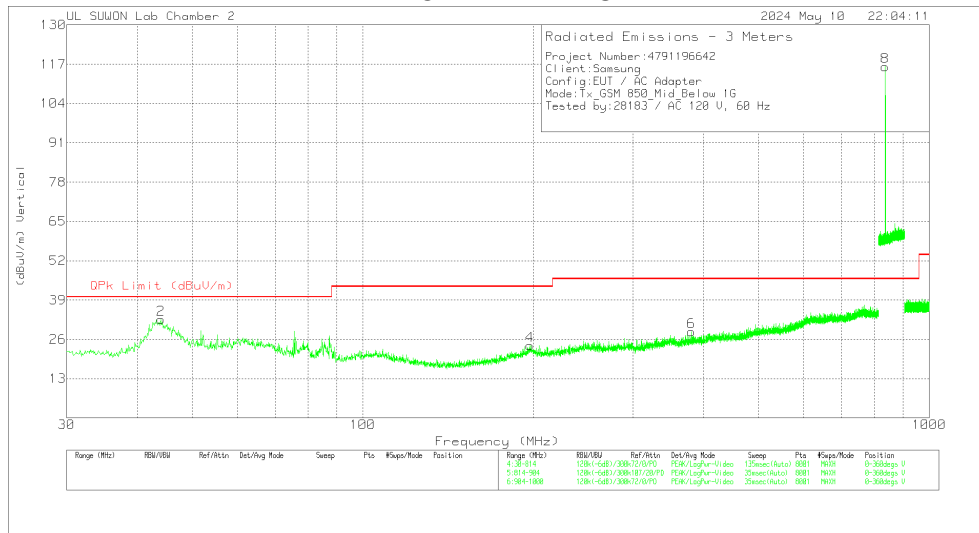
Note: Unwanted emissions captured from 824MHz to 849MHz and from 869MHz to 894MHz were the TX and RX signals generated from the call-simulator.

MID CHANNEL(881.6 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

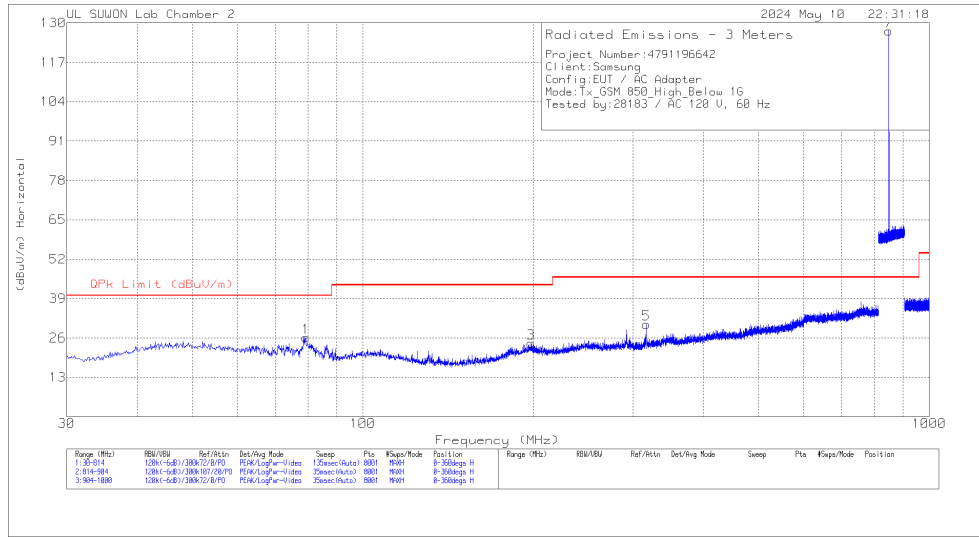
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Below_1G_Bypass (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	78.02	11.25	Pk	12.8	1.1	25.15	40	-14.85	0-360	100	H
2	44.014	12.13	Pk	19.7	.8	32.63	40	-7.37	0-360	200	V
3	196.992	4.79	Pk	18	1.7	24.49	43.52	-19.03	0-360	300	H
4	197.09	4.28	Pk	18	1.7	23.98	43.52	-19.54	0-360	200	V
5	316.356	7.39	Pk	19.4	2.2	28.99	46.02	-17.03	0-360	100	H
6	380.154	5.28	Pk	20.8	2.4	28.48	46.02	-17.54	0-360	400	V
7	836.6013	96.83	Pk	26.6	3.7	127.13	46.02	81.11	0-360	200	H
8	836.6013	85.81	Pk	26.6	3.7	116.11	46.02	70.09	0-360	100	V

Pk - Peak detector

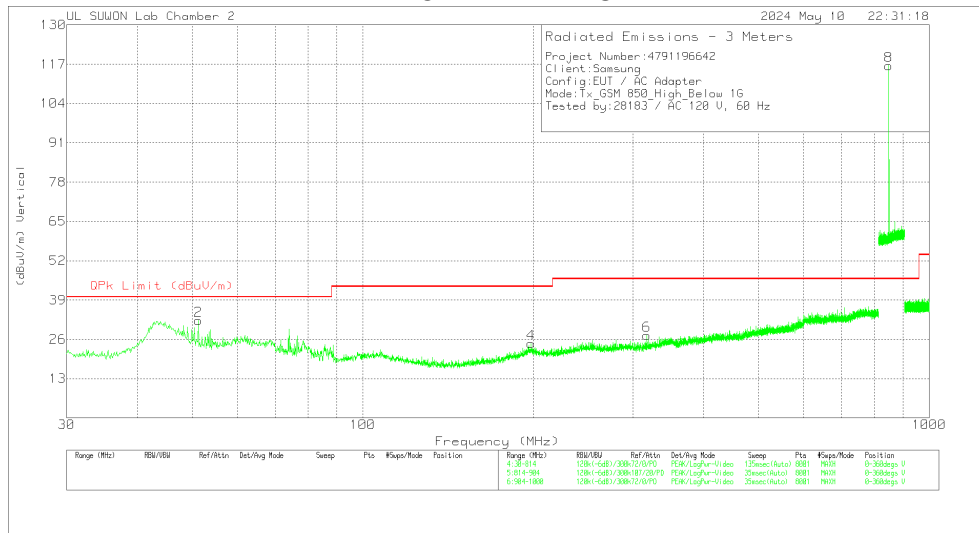
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HIGH CHANNEL(893.8 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Below_1G_Bypass (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	79.294	12.22	Pk	12.8	1.1	26.12	40	-13.88	0-360	100	H
2	51.266	11.39	Pk	20	.9	32.29	40	-7.71	0-360	200	V
3	197.972	4.61	Pk	18	1.7	24.31	43.52	-19.21	0-360	100	H
4	198.168	4.9	Pk	18	1.7	24.6	43.52	-18.92	0-360	400	V
5	316.356	8.95	Pk	19.4	2.2	30.55	46.02	-15.47	0-360	100	H
6	317.336	5.81	Pk	19.4	2.2	27.41	46.02	-18.61	0-360	200	V
7	848.7963	96.68	Pk	26.9	3.7	127.28	46.02	81.26	0-360	200	H
8	848.7963	85.88	Pk	26.9	3.7	116.48	46.02	70.46	0-360	200	V

Pk - Peak detector

Note: Unwanted emissions captured from 824MHz to 849MHz and from 869MHz to 894MHz were the TX and RX signals generated from the call-simulator.

7.2. AC MAINS LINE CONDUCTED EMISSIONS

TEST PROCEDURE

ANSI C63.4-2014

LIMIT

§15.107 (a) Except for Class A digital devices, for equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the band edges.

Frequency range (MHz)	Limits (dB μ V)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50

Notes:

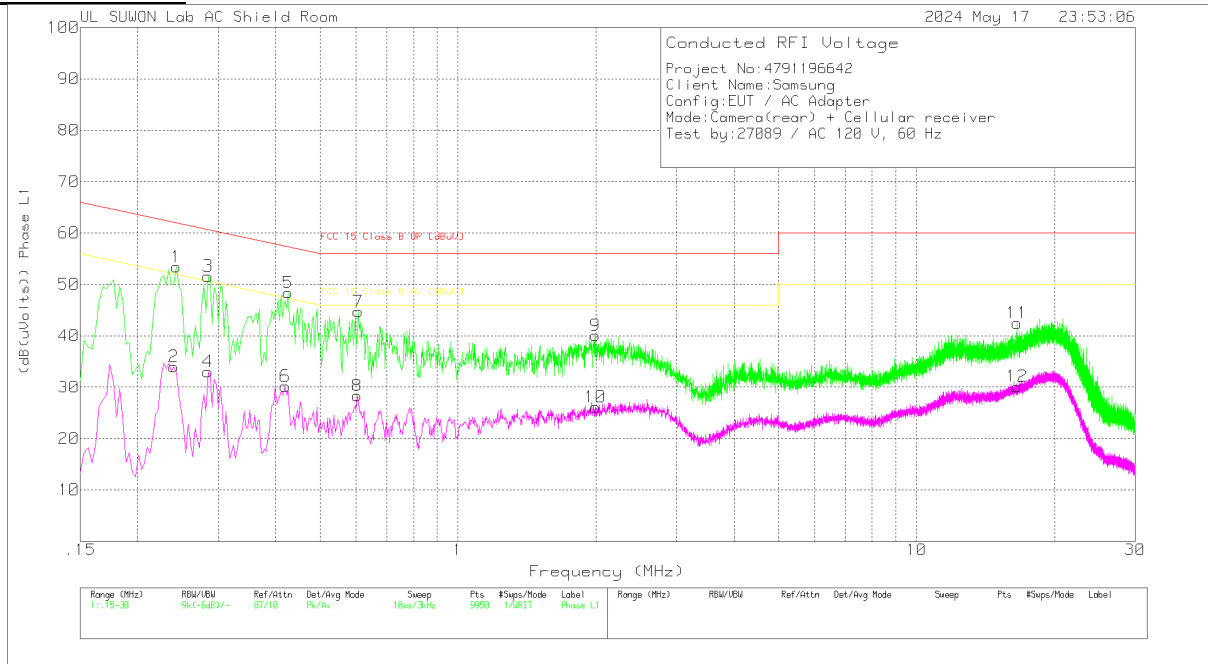
1. The lower limit shall apply at the transition frequencies
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

7.2.1 CONDUCTED EMISSIONS

WORST EMISSIONS(GSM850 + Rear camera on)

Line-L1 .15 – 30 MHz

LINE 1 RESULTS



Trace Markers

Range 1: Phase L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101836_With EX_L1 [dB]	Cable Loss [dB]	Corrected Reading (dB(uVolts))	FCC 15 Class B QP [dBuV]	Margin (dB)	FCC 15 Class B AV [dBuV]	Margin (dB)
1	.243	43.58	Pk	9.7	.1	53.38	61.99	-8.61	-	-
2	.24	24.17	Av	9.7	.1	33.97	-	-	52.1	-18.13
3	.285	41.8	Pk	9.7	.1	51.6	60.67	-9.07	-	-
4	.285	23.2	Av	9.7	.1	33	-	-	50.67	-17.67
5	.426	38.48	Pk	9.8	.1	48.38	57.33	-8.95	-	-
6	.42	20.28	Av	9.8	.1	30.18	-	-	47.45	-17.27
7	.606	34.8	Pk	9.8	.1	44.7	56	-11.3	-	-
8	.603	18.42	Av	9.8	.1	28.32	-	-	46	-17.68
9	1.992	30.25	Pk	9.7	.1	40.05	56	-15.95	-	-
10	1.992	16.33	Av	9.7	.1	26.13	-	-	46	-19.87
11	16.572	32.08	Pk	10.1	.3	42.48	60	-17.52	-	-
12	16.566	19.71	Av	10.1	.3	30.11	-	-	50	-19.89

Pk - Peak detector

Av - Average detection

Quasi-Peak Emissions

Range 1: Phase L1 .15 - 30MHz

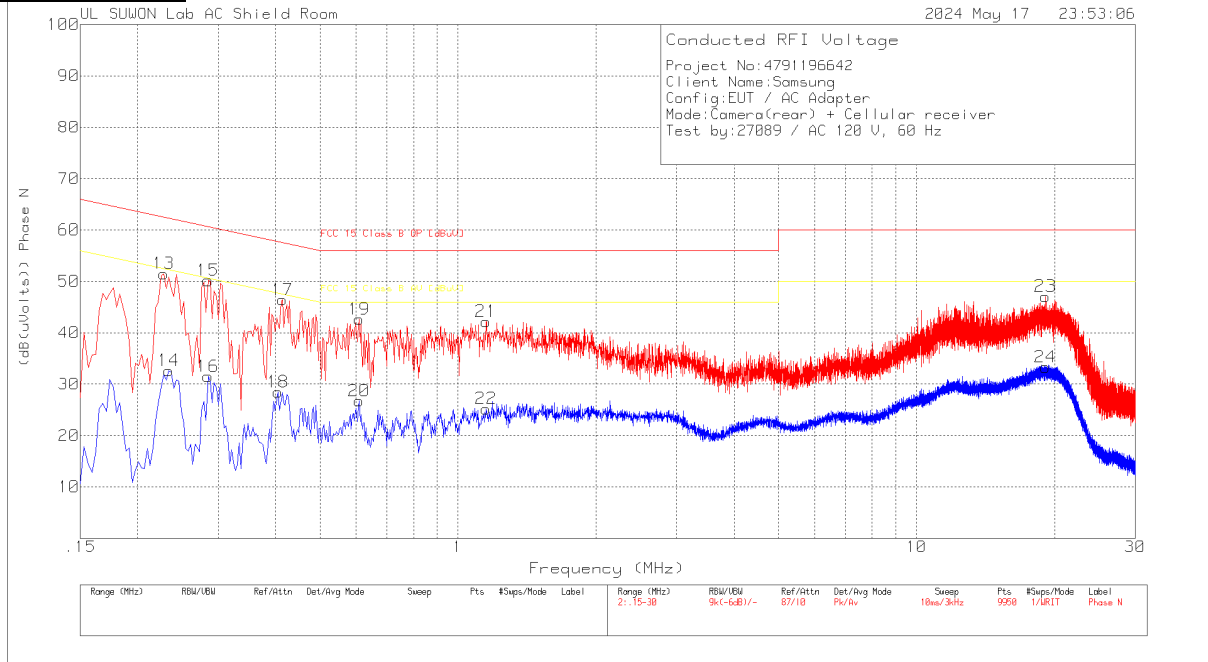
Frequency (MHz)	Meter Reading (dBuV)	Det	101836_With EX_L1 [dB]	Cable Loss [dB]	Corrected Reading (dB(uVolts))	FCC 15 Class B QP [dBuV]	Margin (dB)	FCC 15 Class B AV [dBuV]	Margin (dB)
.24375	39.8	Qp	9.7	.1	49.6	61.97	-12.37	-	-
.28515	37.09	Qp	9.7	.1	46.89	60.66	-13.77	-	-
.42675	33.21	Qp	9.8	.1	43.11	57.32	-14.21	-	-

Qp - Quasi-Peak detector

WORST EMISSIONS(GSM850 + Rear camera on)

Line-L2 .15 – 30 MHz

LINE 2 RESULTS



Trace Markers

Range 2: Phase N .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101836_With EX_N [dB]	Cable Loss [dB]	Corrected Reading (dB(uVolts))	FCC 15 Class B QP [dBuV]	Margin (dB)	FCC 15 Class B AV [dBuV]	Margin (dB)
13	.228	41.71	Pk	9.7	.1	51.51	62.52	-11.01	-	-
14	.234	22.85	Av	9.7	.1	32.65	-	-	52.31	-19.66
15	.285	40.38	Pk	9.7	.1	50.18	60.67	-10.49	-	-
16	.285	21.72	Av	9.7	.1	31.52	-	-	50.67	-19.15
17	.414	36.51	Pk	9.8	.1	46.41	57.57	-11.16	-	-
18	.405	18.57	Av	9.8	.1	28.47	-	-	47.75	-19.28
19	.609	32.74	Pk	9.8	.1	42.64	56	-13.36	-	-
20	.609	16.84	Av	9.8	.1	26.74	-	-	46	-19.26
21	1.152	32.39	Pk	9.7	.1	42.19	56	-13.81	-	-
22	1.152	15.42	Av	9.7	.1	25.22	-	-	46	-20.78
23	19.11	36.59	Pk	10.2	.3	47.09	60	-12.91	-	-
24	19.11	22.82	Av	10.2	.3	33.32	-	-	50	-16.68

Pk - Peak detector

Av - Average detection

END OF TEST REPORT