

CERTIFICATION TEST REPORT

Report Number. : 4791377016-E1V1

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

Model : SM-A166M/DS, SM-A166M

FCC ID : A3LSMA166M

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

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

Date Of Issue:
2024-08-16

Prepared by:
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Revision History

Rev.	Issue Date	Revisions	Revised By
V1	2024-08-16	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, and NFC.

MODEL NUMBER: SM-A166M/DS, SM-A166M

SERIAL NUMBER: R93X70005SY, R93X70005BB (RADIATED)

DATE TESTED: 2024-07-03 – 2024-08-16;

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	
☒	Chamber 1(3m semi-anechoic chamber)
☒	Chamber 2(3m semi-anechoic chamber)
☒	Chamber 3(3m semi-anechoic chamber)
☐	Chamber 4(3m Full-anechoic chamber)
☐	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, and NFC.
This test report addresses the WWAN operational mode.

Representative model	Difference	Derivative model
		SM-A166M
SM-A166M/DS	Hardware	SIM tray is single SIM
	Software	Dual SIM not supported

The model SM-A166M/DS 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, LTE B26, NR n5

Only the worst case emissions are reported. Worst Case is LTE B26.

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
LTE B26	O	-	-

5.3. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacture	Model	Serial Number	FCC ID
Charger	SAMSUNG	EP-TA800	R37TC7A00JBDKA	N/A
Data Cable	SAMSUNG	EP-DN980	GH39-02115A	N/A

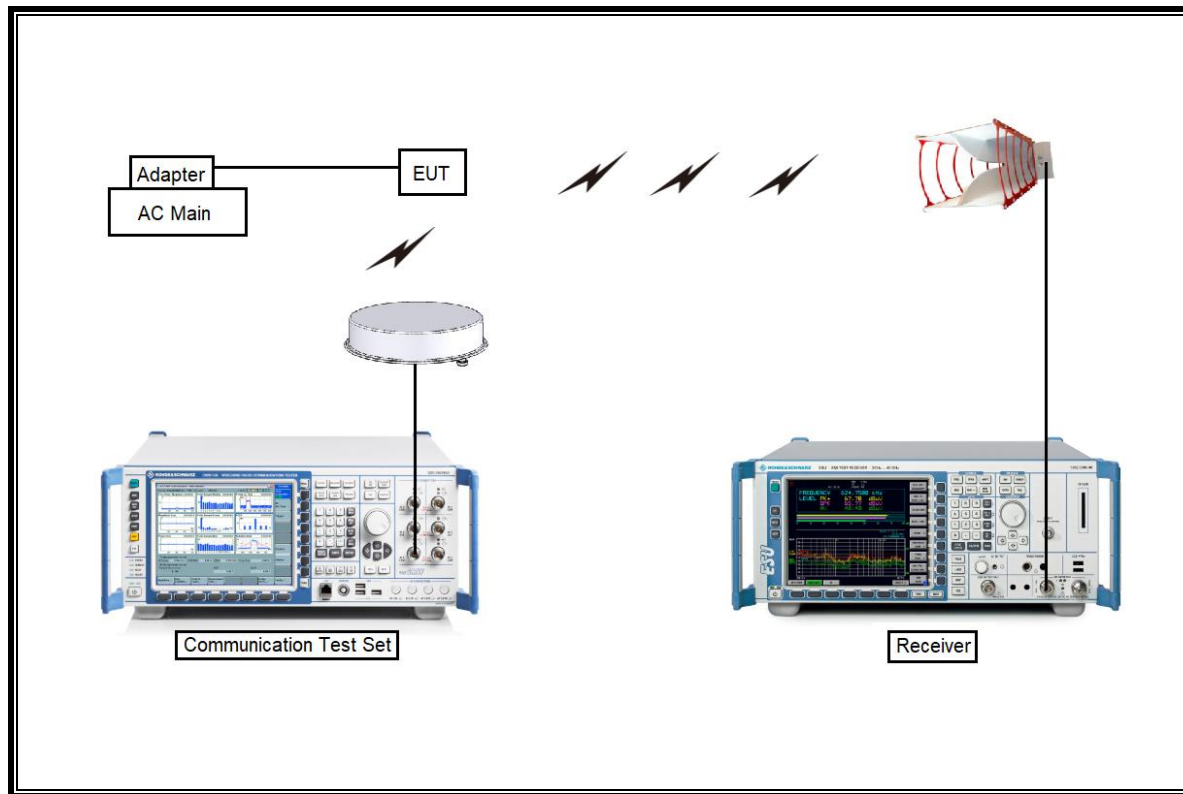
I/O CABLE

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 DB-4	00164753	2025-01-17
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB 9163	750	2026-07-30
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB 9163	845	2026-07-30
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB 9163	749	2026-08-12
Antenna, Horn, 18 GHz	ETS	3115	00167211	2026-07-17
Antenna, Horn, 18 GHz	ETS	3115	00161451	2026-07-17
Antenna, Horn, 18 GHz	ETS	3117	00168724	2026-07-17
Antenna, Horn, 18 GHz	ETS	3117	00168717	2026-07-17
Communications Test Set	R&S	CMW500	169797	2025-07-23
Preamplifier, 1000 MHz	Sonoma	310N	341282	2025-07-22
Preamplifier, 1000 MHz	Sonoma	310N	370599	2025-07-22
Preamplifier, 1000 MHz	Sonoma	310N	351741	2025-07-22
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	2029169	2025-07-23
Preamplifier, 18 GHz	B&Z Technologies, LLC	BZR-01001800-231040-182020	1977-11-22	2025-07-22
Preamplifier, 18 GHz	B&Z Technologies, LLC	BZR-01001800-231040-181515	1964-07-18	2025-07-25
EMI Test Receive, 40 GHz	R&S	ESU40	100439	2025-07-23
EMI Test Receive, 40 GHz	R&S	ESU40	100457	2025-07-22
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	2025-07-23
High Pass Filter 1.2GHz	Micro-Tronics	HPM50108-02	G006	2025-07-23
High Pass Filter 2.8GHz	Micro-Tronics	HPM50111-02	010	2025-07-23
High Pass Filter 2.8GHz	Micro-Tronics	HPM50111-02	011	2025-07-23
High Pass Filter 4GHz	Micro-Tronics	HPM50118-02	G001	2025-07-23
High Pass Filter 4GHz	Micro-Tronics	HPM50118-02	G002	2025-07-23
Attenuator	PASTERNAK	PE7087-10	A009	2025-07-23
Attenuator	PASTERNAK	PE7087-10	A001	2025-07-23
Attenuator	PASTERNAK	PE7087-10	A008	2025-07-23
Attenuator	PASTERNAK	PE7004-10	1	2025-07-23
Attenuator	PASTERNAK	PE7395-10	A011	2025-07-25
EMI Test Receive, 3 GHz	R&S	ESR 3	101832	2025-07-22
LISN	R&S	ENV216	101836	2025-07-22
LISN	R&S	ENV216	101837	2025-07-22
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

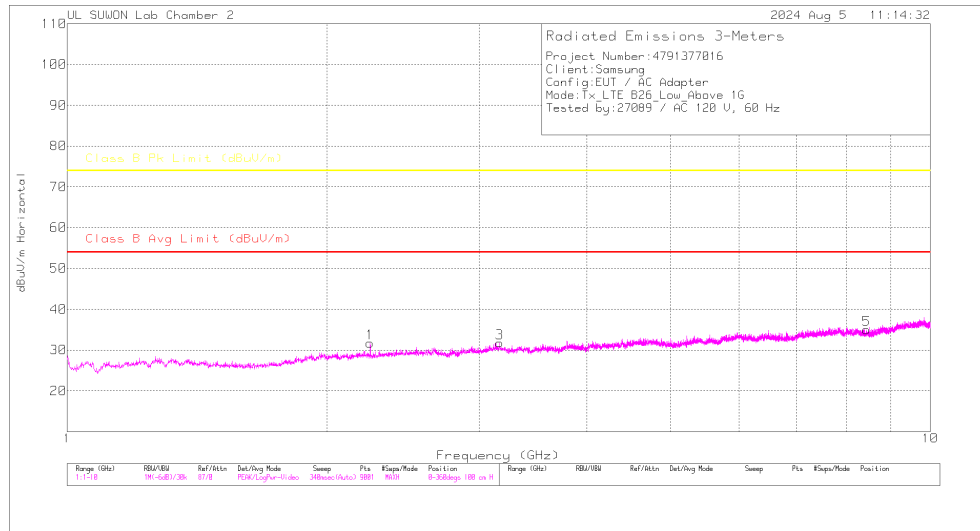
§15.109 (a) Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Limits for radiated disturbance of Class B ITE at measuring distance of 3 m	
Frequency range (MHz)	Quasi-peak limits (dBμV/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.	

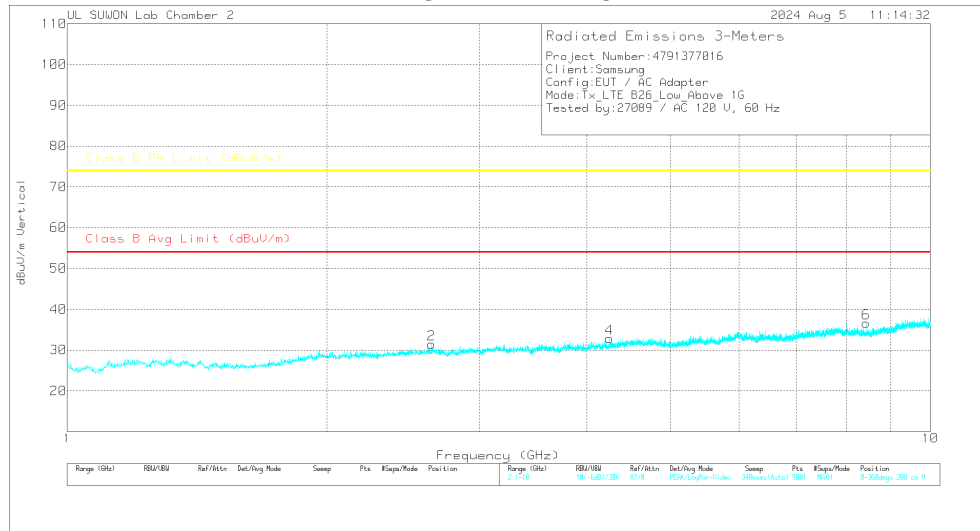
7.1.1. Above 1 GHz

LOW CHANNEL(876.5 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

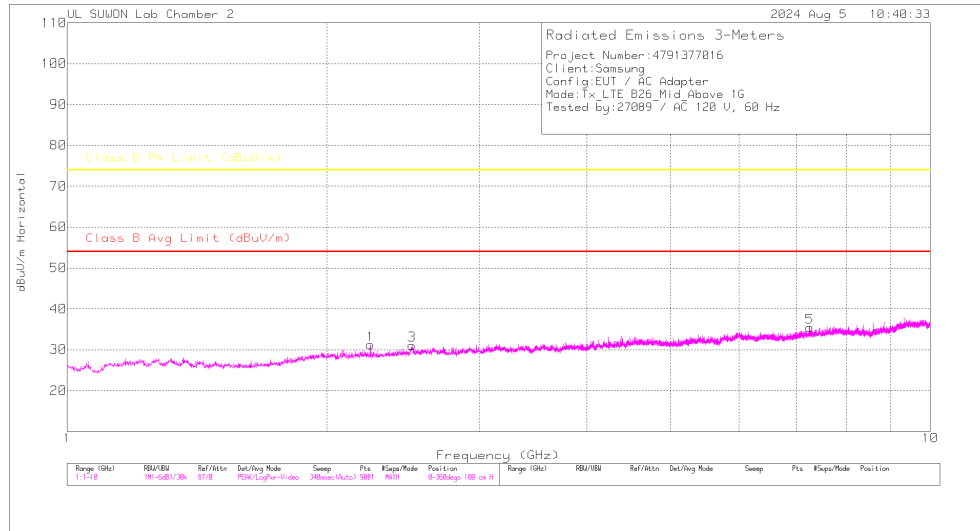
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016872_4	1-18GHz_Path loss(dB)	1GHz_HP(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
2.244	40.95	Pk	31.5	-35.6	.7	37.55	-	-	74	-36.45	0	193	H
2.244	28.14	Ca	31.5	-35.6	.7	24.74	54	-29.26	-	-	0	193	H
2.644	40.9	Pk	32.1	-35.2	.9	38.7	-	-	74	-35.3	0	100	V
2.644	27.84	Ca	32.1	-35.2	.9	25.64	54	-28.36	-	-	0	100	V
3.169	39.35	Pk	32.8	-34.5	.7	38.35	-	-	74	-35.65	0	100	H
3.169	27.42	Ca	32.8	-34.5	.7	26.42	54	-27.58	-	-	0	100	H
4.247	39.28	Pk	33.3	-33.7	.4	39.28	-	-	74	-34.72	0	100	V
4.247	27.12	Ca	33.3	-33.7	.4	27.12	54	-26.88	-	-	0	100	V
8.438	34.48	Pk	35.9	-28.1	.5	42.78	-	-	74	-31.22	0	100	H
8.438	22.46	Ca	35.9	-28.1	.5	30.76	54	-23.24	-	-	0	100	H
8.431	35.06	Pk	35.9	-28.1	.5	43.36	-	-	74	-30.64	0	100	V
8.431	22.51	Ca	35.9	-28.1	.5	30.81	54	-23.19	-	-	0	100	V

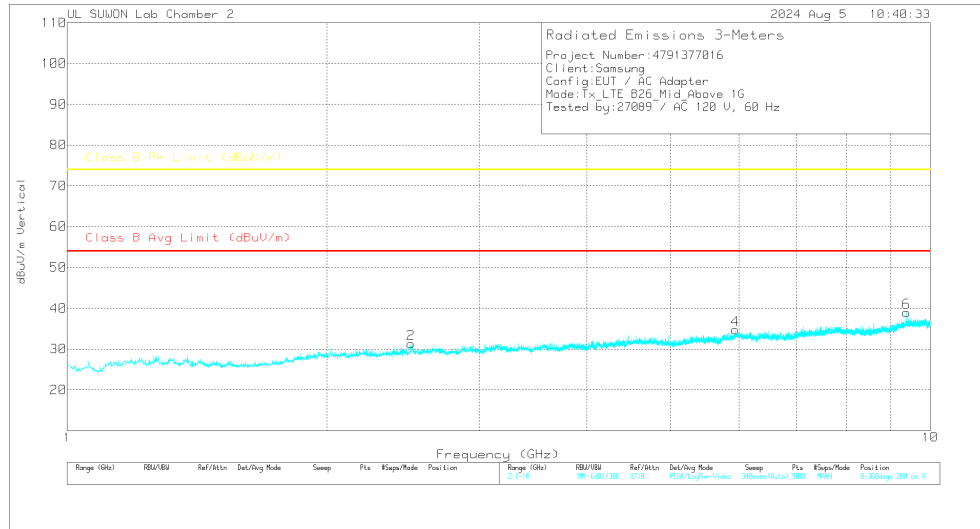
Pk - Peak detector
Ca - CISPR average detection

MID CHANNEL(881.5 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

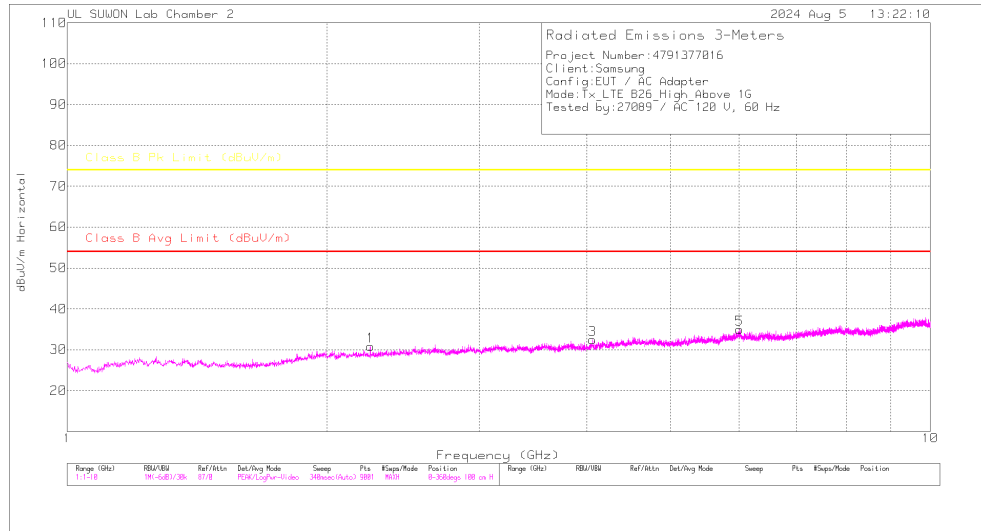
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016872_4	1-18GHz_Path loss(dB)	1GHz_HP(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
2.245	42.3	Pk	31.5	-35.7	.7	38.8	-	-	74	-35.2	138	144	H
2.245	32.63	Ca	31.5	-35.7	.7	29.13	54	-24.87	-	-	138	144	H
2.501	40.57	Pk	31.9	-35.4	.8	37.87	-	-	74	-36.13	148	193	V
2.501	28	Ca	31.9	-35.4	.8	25.3	54	-28.7	-	-	148	193	V
2.508	40.38	Pk	31.9	-35.3	.8	37.78	-	-	74	-36.22	145	109	H
2.508	28.55	Ca	31.9	-35.3	.8	25.95	54	-28.05	-	-	145	109	H
5.945	37.68	Pk	34.9	-31.9	.5	41.18	-	-	74	-32.82	0	100	V
5.945	25.73	Ca	34.9	-31.9	.5	29.23	54	-24.77	-	-	0	100	V
7.249	36.5	Pk	35.7	-30.2	.4	42.4	-	-	74	-31.6	0	100	H
7.249	24.46	Ca	35.7	-30.2	.4	30.36	54	-23.64	-	-	0	100	H
9.387	34.1	Pk	36.7	-26.8	.7	44.7	-	-	74	-29.3	0	100	V
9.387	22.04	Ca	36.7	-26.8	.7	32.64	54	-21.36	-	-	0	100	V

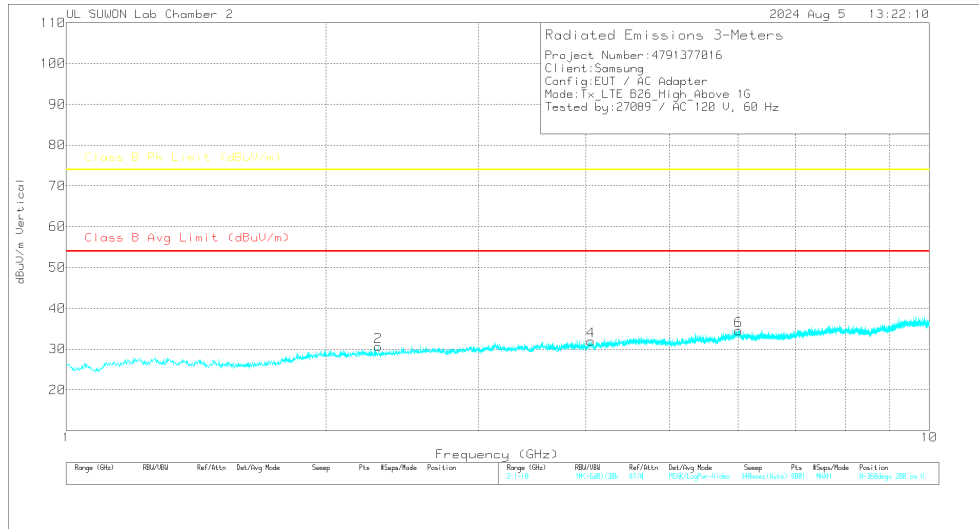
Pk - Peak detector
Ca - CISPR average detection

HIGH CHANNEL(886.5 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Radiated Emissions

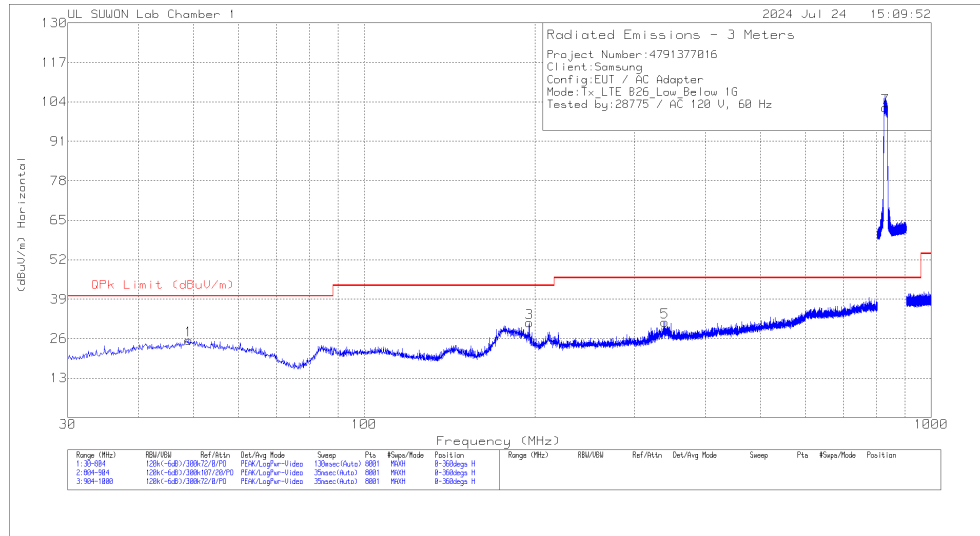
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016872 4	1-18GHz_Path loss(dB)	1GHz_HP(dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CISPR)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.245	42.4	Pk	31.5	-35.7	.7	38.9	-	-	74	-35.1	135	142	H
2.245	32.76	Ca	31.5	-35.7	.7	29.26	54	-24.74	-	-	135	142	H
2.299	40.7	Pk	31.5	-35.6	.6	37.2	-	-	74	-36.8	0	100	V
2.299	27.94	Ca	31.5	-35.6	.6	24.44	54	-29.56	-	-	0	100	V
4.059	38.3	Pk	33.2	-33.5	.6	38.6	-	-	74	-35.4	0	100	H
4.059	26.57	Ca	33.2	-33.5	.6	26.87	54	-27.13	-	-	0	100	H
4.057	39.34	Pk	33.2	-33.5	.6	39.64	-	-	74	-34.36	0	100	V
4.057	26.49	Ca	33.2	-33.5	.6	26.79	54	-27.21	-	-	0	100	V
6.009	38.62	Pk	35	-31.8	.5	42.32	-	-	74	-31.68	0	100	H
6.009	26.05	Ca	35	-31.8	.5	29.75	54	-24.25	-	-	0	100	H
6.016	38.64	Pk	35	-31.8	.5	42.34	-	-	74	-31.66	0	100	V
6.016	26.06	Ca	35	-31.8	.5	29.76	54	-24.24	-	-	0	100	V

Pk - Peak detector
Ca - CISPR average detection

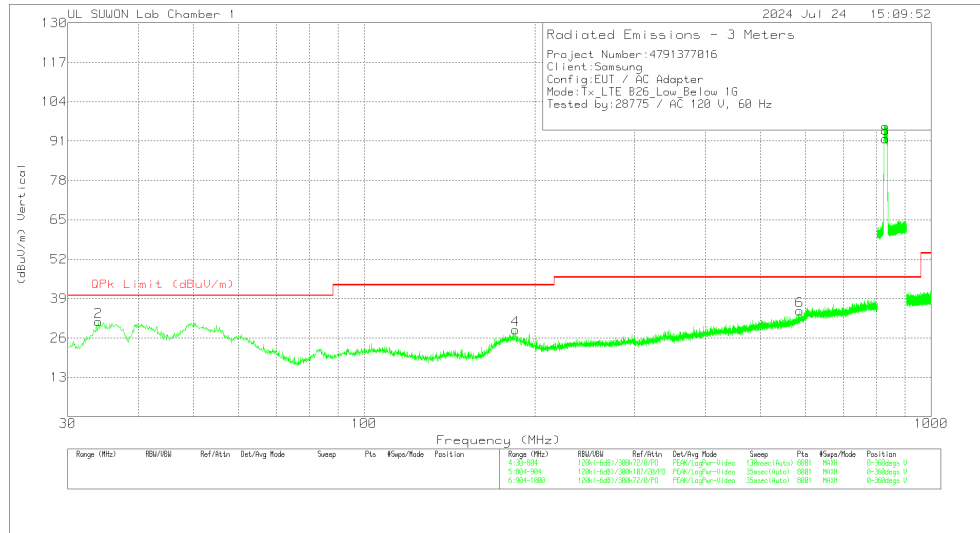
7.1.2. Below 1 GHz

LOW CHANNEL(876.5 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

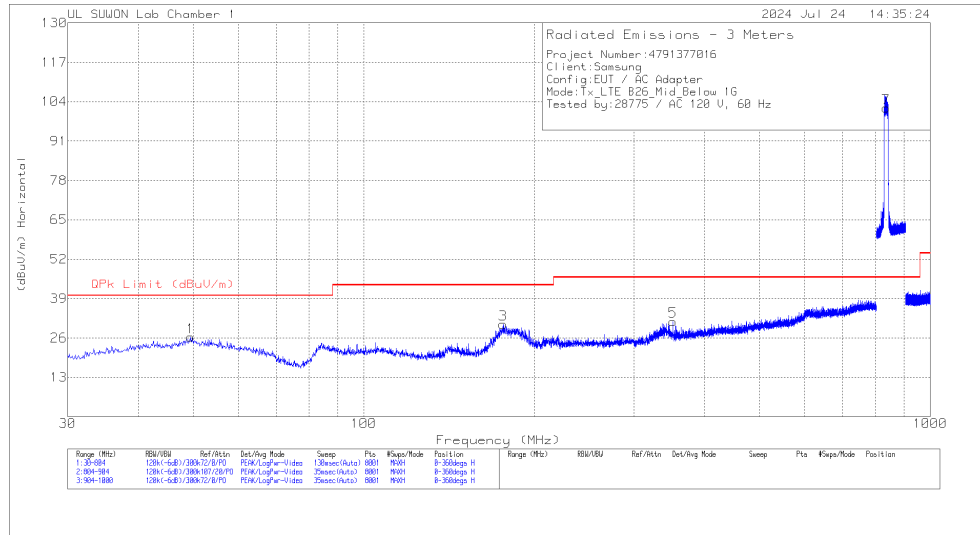
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_750	Below_1G_Bypass (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	49.0598	4.46	Pk	19.6	1.5	25.56	40	-14.44	0-360	300	H
3	195.4425	11.2	Pk	17	3	31.2	43.52	-12.32	0-360	100	H
5	339.213	7.3	Pk	20.2	3.9	31.4	46.02	-14.62	0-360	100	H
7	831.5	69.86	Pk	26.2	6.1	102.16	46.02	56.14	0-360	200	H
2	33.9668	14.17	Pk	16.1	1.2	31.47	40	-8.53	0-360	200	V
4	184.9935	10.08	Pk	15.7	2.9	28.68	43.52	-14.84	0-360	200	V
6	586.506	5.77	Pk	24.1	5.1	34.97	46.02	-11.05	0-360	300	V
8	831.5	59.52	Pk	26.2	6.1	91.82	46.02	45.8	0-360	100	V

Pk - Peak detector

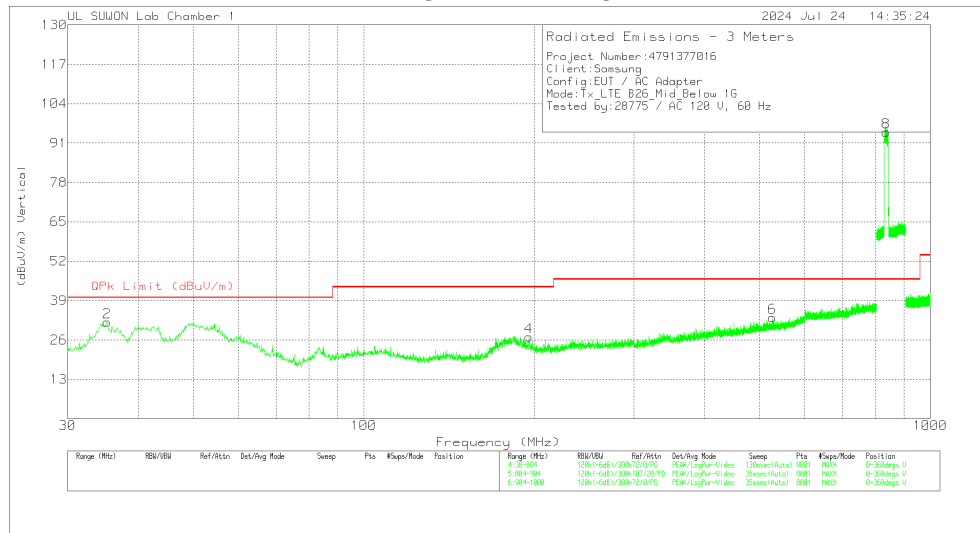
Note: Unwanted emissions captured from 814MHz to 849MHz and from 859MHz to 894MHz were the TX and RX signals generated from the call-simulator.

MID CHANNEL(881.5 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

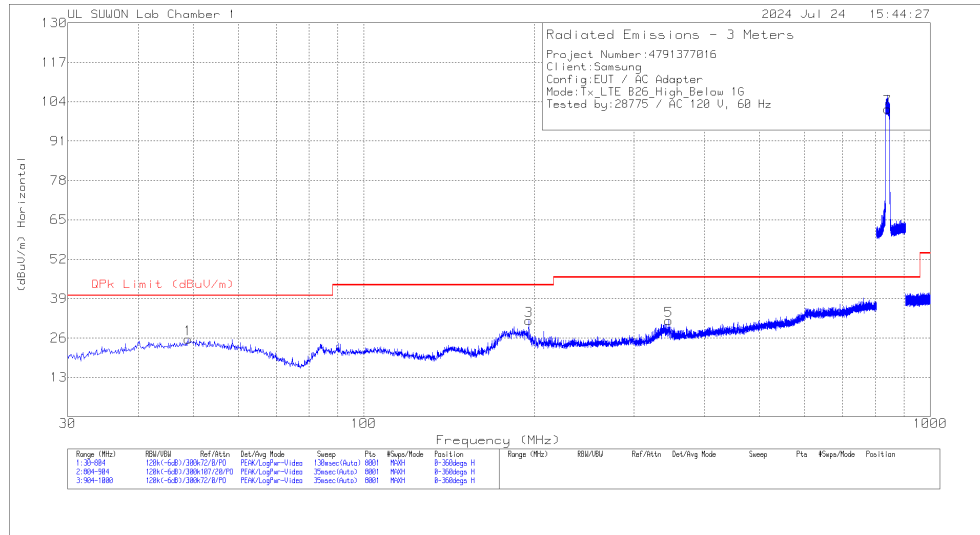
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_750	Below_1G_Bypass (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	49.4468	5.18	Pk	19.6	1.5	26.28	40	-13.72	0-360	300	H
3	176.0925	12.9	Pk	14.8	2.8	30.5	43.52	-13.02	0-360	100	H
5	351.3068	7.9	Pk	19.6	4	31.5	46.02	-14.52	0-360	100	H
7	836.5	69.47	Pk	26.3	6.1	101.87	46.02	55.85	0-360	200	H
2	35.2245	14.16	Pk	16.6	1.2	31.96	40	-8.04	0-360	200	V
4	195.7328	6.97	Pk	17	3	26.97	43.52	-16.55	0-360	200	V
6	526.6178	5.8	Pk	22.8	4.8	33.4	46.02	-12.62	0-360	400	V
8	836.5	62.19	Pk	26.3	6.1	94.59	46.02	48.57	0-360	100	V

Pk - Peak detector

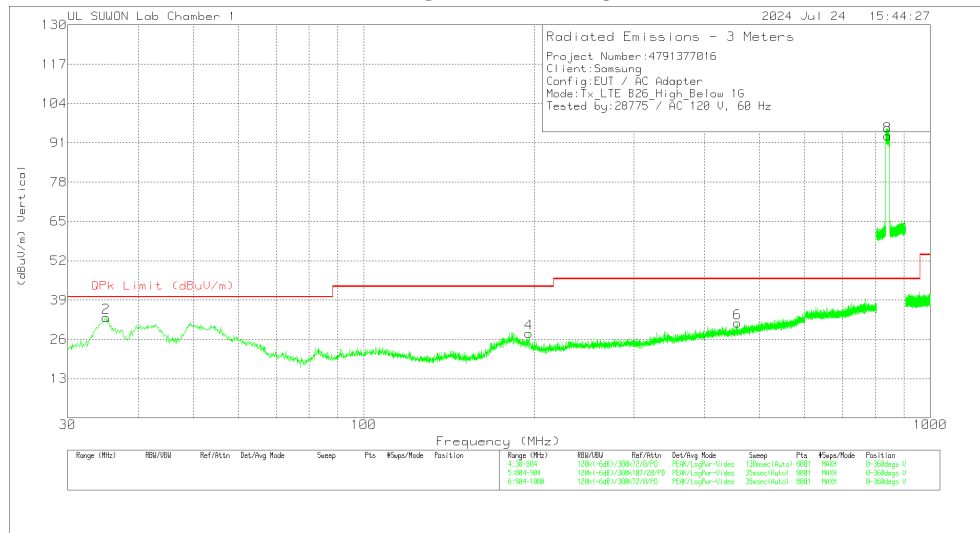
Note: Unwanted emissions captured from 814MHz to 849MHz and from 859MHz to 894MHz were the TX and RX signals generated from the call-simulator.

HIGH CHANNEL(886.5 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_750	Below_1G_Bypass (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	48.963	4.59	Pk	19.6	1.5	25.69	40	-14.31	0-360	300	H
3	195.5393	11.77	Pk	17	3	31.77	43.52	-11.75	0-360	100	H
5	345.405	7.58	Pk	20.2	3.9	31.68	46.02	-14.34	0-360	100	H
7	841.5	69	Pk	26.4	6.1	101.5	46.02	55.48	0-360	200	H
2	35.031	15.53	Pk	16.5	1.2	33.23	40	-6.77	0-360	200	V
4	195.7328	8.1	Pk	17	3	28.1	43.52	-15.42	0-360	200	V
6	456.9578	5.51	Pk	21.4	4.5	31.41	46.02	-14.61	0-360	300	V
8	841.5	60.82	Pk	26.4	6.1	93.32	46.02	47.3	0-360	100	V

Pk - Peak detector

Radiated Emissions

Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_75 0	Below_1G_By pass(dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
35.031	10.97	Qp	16.5	1.2	28.67	40	-11.33	283	100	V

Qp - Quasi-Peak detector

Note: Unwanted emissions captured from 814MHz to 849MHz and from 859MHz 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.

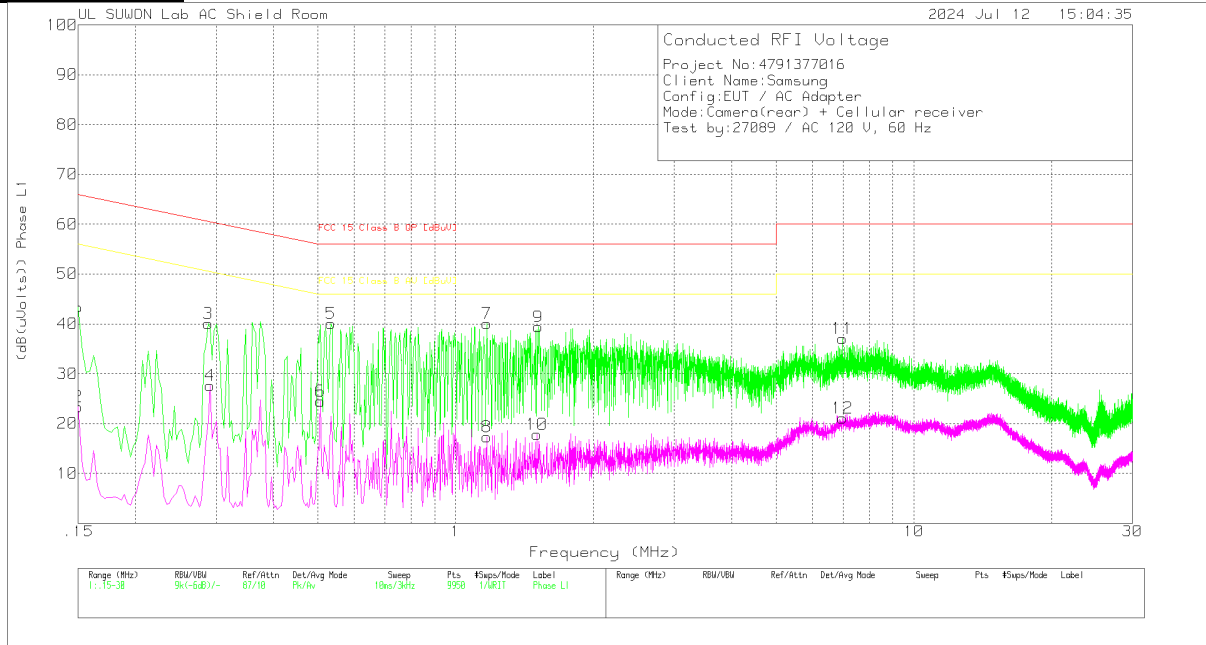
Frequency range (MHz)	Limits (dB μ V)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50
Notes: 1. The lower limit shall apply at the transition frequencies 2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.		

7.2.1 CONDUCTED EMISSIONS

WORST EMISSIONS(LTE B26 + 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_Wit h 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	.15	33.59	Pk	9.7	.1	43.39	66	-22.61	-	-
2	.15	13.58	Av	9.7	.1	23.38	-	-	56	-32.62
3	.288	30.24	Pk	9.7	.1	40.04	60.58	-20.54	-	-
4	.291	17.86	Av	9.7	.1	27.66	-	-	50.5	-22.84
5	.534	30.12	Pk	9.9	.1	40.12	56	-15.88	-	-
6	.507	14.52	Av	9.9	.1	24.52	-	-	46	-21.48
7	1.17	30.27	Pk	9.7	.1	40.07	56	-15.93	-	-
8	1.17	7.54	Av	9.7	.1	17.34	-	-	46	-28.66
9	1.512	29.58	Pk	9.7	.1	39.38	56	-16.62	-	-
10	1.503	8.06	Av	9.7	.1	17.86	-	-	46	-28.14
11	6.987	27.07	Pk	9.8	.2	37.07	60	-22.93	-	-
12	6.987	11.11	Av	9.8	.2	21.11	-	-	50	-28.89

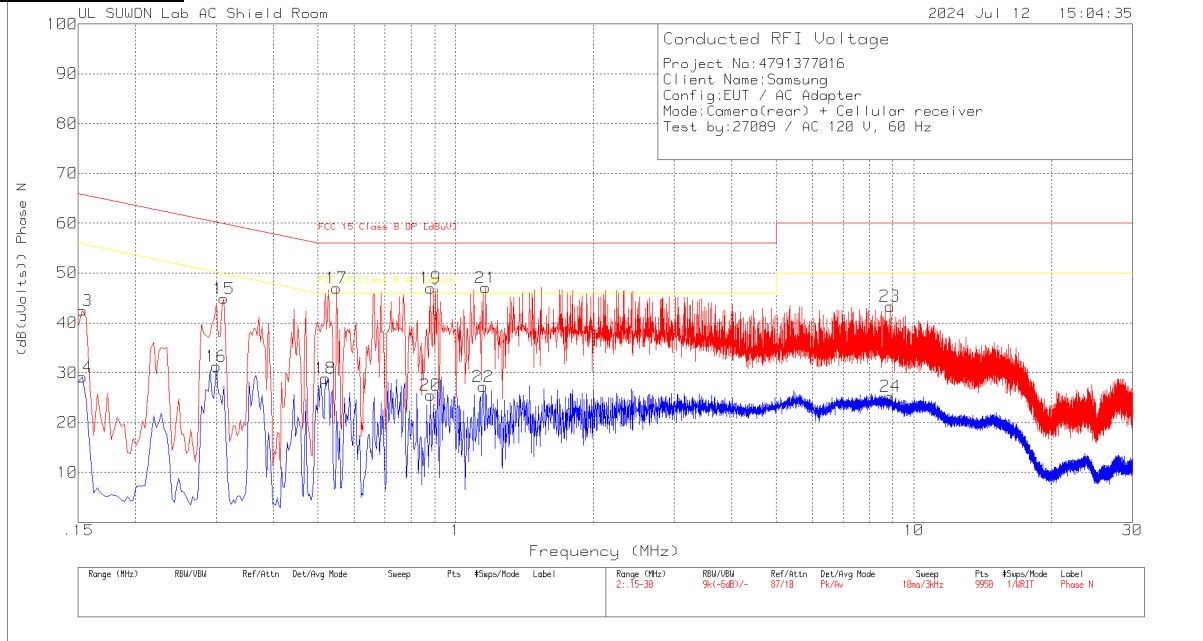
Pk - Peak detector

Av - Average detection

WORST EMISSIONS(LTE B26 + 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	.153	32.61	Pk	9.8	.1	42.51	65.84	-23.33	-	-
14	.153	19.18	Av	9.8	.1	29.08	-	-	55.84	-26.76
15	.312	35.1	Pk	9.7	.1	44.9	59.92	-15.02	-	-
16	.3	21.44	Av	9.7	.1	31.24	-	-	50.24	-19
17	.549	37	Pk	9.9	.1	47	56	-9	-	-
18	.519	18.87	Av	9.9	.1	28.87	-	-	46	-17.13
19	.882	37.09	Pk	9.8	.1	46.99	56	-9.01	-	-
20	.882	15.59	Av	9.8	.1	25.49	-	-	46	-20.51
21	1.164	37.25	Pk	9.7	.1	47.05	56	-8.95	-	-
22	1.149	17.4	Av	9.7	.1	27.2	-	-	46	-18.8
23	8.862	33.26	Pk	9.9	.2	43.36	60	-16.64	-	-
24	8.889	15.11	Av	9.9	.2	25.21	-	-	50	-24.79

Pk - Peak detector

Av - Average detection

Quasi-Peak Emissions

Range 2: Phase N .15 - 30MHz

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)
.54825	29.03	Qp	9.9	.1	39.03	56	-16.97	-	-
.88275	28.78	Qp	9.8	.1	38.68	56	-17.32	-	-
1.16415	29.05	Qp	9.7	.1	38.85	56	-17.15	-	-

Qp - Quasi-Peak detector

END OF TEST REPORT