

# CERTIFICATION TEST REPORT

**Report Number.** : 4790976555-E1V3

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

**Model** : SM-S921B/DS, SM-S921B

**FCC ID** : A3LSMS921B

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

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

**Date Of Issue:**  
2023-10-23

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Revision History

<u>Rev.</u>	<u>Issue Date</u>	<u>Revisions</u>	<u>Revised By</u>
V1	2023-10-16	Initial issue	Yeonhee Lim
V2	2023-10-18	Updated to address TCB's question	Yeonhee Lim
V3	2023-10-23	Updated to address TCB's question	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 and WPT  
**MODEL NUMBER:** SM-S921B/DS, SM-S921B  
**SERIAL NUMBER:** R3CW80R6JZL, R3CW80R6KLB, R3CW80R6L9H, R3CW80R6LNE (RADIATED)  
**DATE TESTED:** 2023-08-28 ~ 2023-10-18;

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:



Seokhwan Hong  
Suwon Lab Engineer  
UL KOREA LTD.

Tested By:



Dexter(Hyunsik) Yun  
Suwon Lab Engineer  
UL KOREA LTD.

## 2. TEST METHODOLOGY

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

1. FCC CFR 47 Part 2.
2. FCC CFR 47 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 checked="" 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	2.80 dB
Radiated Disturbance, 30 MHz to 1 GHz	3.92 dB
Radiated Disturbance, 1 GHz to 18 GHz	5.06 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 Procedure 2, Clause 4.4.3 in IEC Guide 115:2021.

## 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 and WPT. This test report addresses the WWAN Receiver mode.

Representative model	Difference	Derivative model
		SM-S921B
SM-S921B/DS	Hardware	Different Sim Card tray
	Software	Same

The model SM-S921B/DS was used for final testing and is representative of the test results in this report.

### 5.2. TEST MODE

Mode	Description
GSM850	Communicating with Call simulator(CMW500)
WCDMA BAND 5	
LTE BAND 12	
LTE BAND 13	
LTE BAND 26	
5G NR n5	Communicating with Call simulator(UXM 5G)

### 5.3. WORST-CASE ORIENTATION AND MODE

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	-	-	O
WCDMA B5	-	-	O
LTE B12	-	-	O
LTE B13	-	-	O
LTE B26	O	-	-
5G NR n5	-	O	-

#### **WCDMA Band5**

WCDMA Band 5(Rx Frequency range: 871.4-891.6 MHz) is covered by GSM 850(Rx Frequency range: 869-894 MHz) due to same frequency range and maximum tune-up limit is higher than WCDMA Band5. Therefore, only Mid channel was checked.

#### **LTE Band 5**

LTE Band 5(Rx Frequency range: 869-894 MHz) is covered by 5G NR BAND n5 (Rx Frequency range: 869-894 MHz) due to same frequency range and maximum tune-up limit is higher than LTE Band 5

#### **LTE Band 17**

LTE Band 17(Rx Frequency range: 734-746 MHz) is covered by LTE Band 12(Rx Frequency range: 729-746 MHz) due to overlapping frequency range, same maximum tune-up limit and same channel bandwidth.



## 5.4. DESCRIPTION OF TEST SETUP

### SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacture	Model	Serial Number	FCC ID
Charger	SAMSUNG	EP-TA800	R37T53J8459SEA	N/A
Data Cable	SAMSUNG	EP-DN980	GH39-02111A	N/A

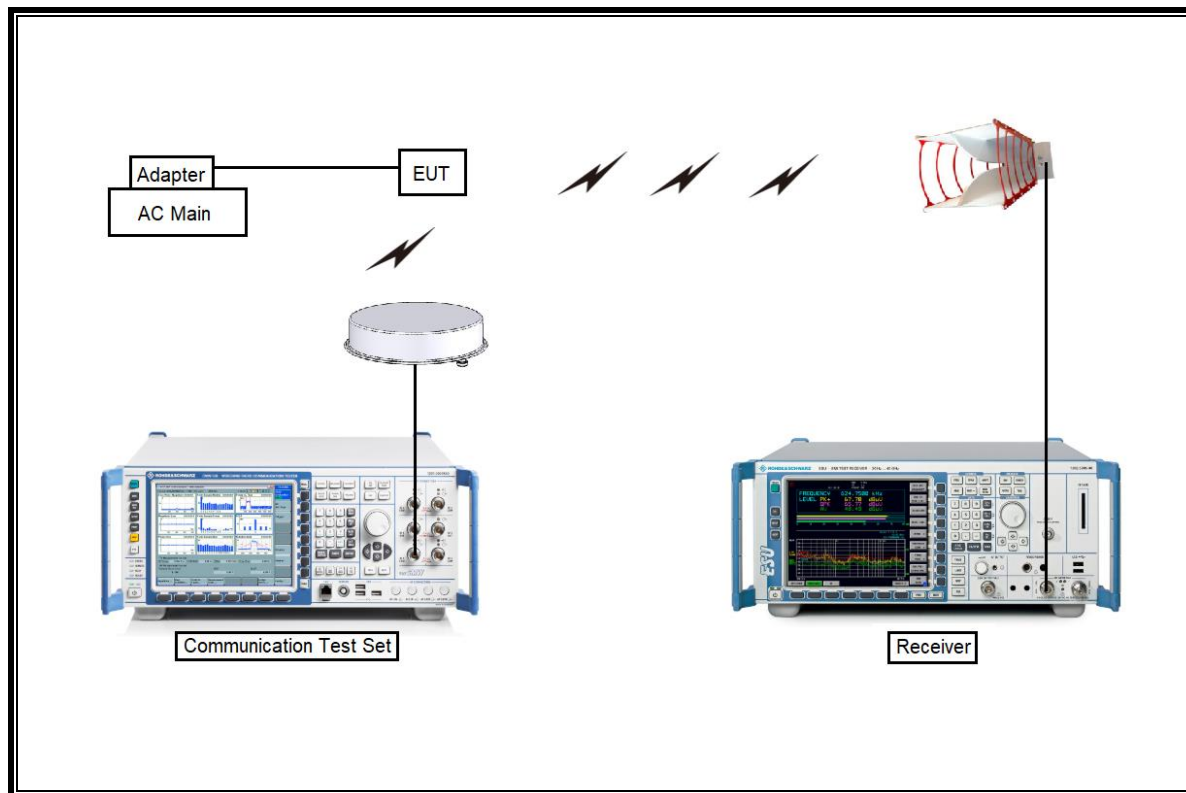
### I/O CABLE

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, Horn, 40 GHz	ETS	3116C	00166155	2024-08-02
Antenna, Horn, 40 GHz	ETS	3116C	00168645	2023-10-13
Preamplifier	ETS	3115-PA	00167475	2024-07-24
Preamplifier	ETS	3116C-PA	00168841	2024-07-24
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
Antenna, Horn, 18 GHz	ETS	3115	00167211	2024-08-04
Antenna, Horn, 18 GHz	ETS	3115	00161451	2024-08-21
Antenna, Horn, 18 GHz	ETS	3117	00168724	2024-08-04
Antenna, Horn, 18 GHz	ETS	3117	00168717	2024-08-21
Antenna, Horn, 18 GHz	ETS	3117	00218597	2025-01-08
Preamplifier, 1000 MHz	Sonoma	310N	341282	2024-07-23
Preamplifier, 1000 MHz	Sonoma	310N	370599	2024-07-24
Preamplifier, 1000 MHz	Sonoma	310N	351741	2024-07-23
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	2029169	2024-07-23
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	1896138	2024-07-24
EMI Test Receive, 40 GHz	R&S	ESU40	100439	2024-07-23
EMI Test Receive, 40 GHz	R&S	ESU40	100457	2024-07-24
EMI Test Receive, 44 GHz	R&S	ESW44	101590	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
Communications Test Set	R&S	CMW500	169796	2024-01-05
UXM 5G Wireless Test Platform	KEYSIGHT	E7515B	MY58010202	2024-01-27
Directional Antenna	Cobham	FPA3-0.8-6.0R/1329	80108-0004	N/A
High Pass Filter 1.2GHz	Micro-Tronics	HPM50108-02	G005	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

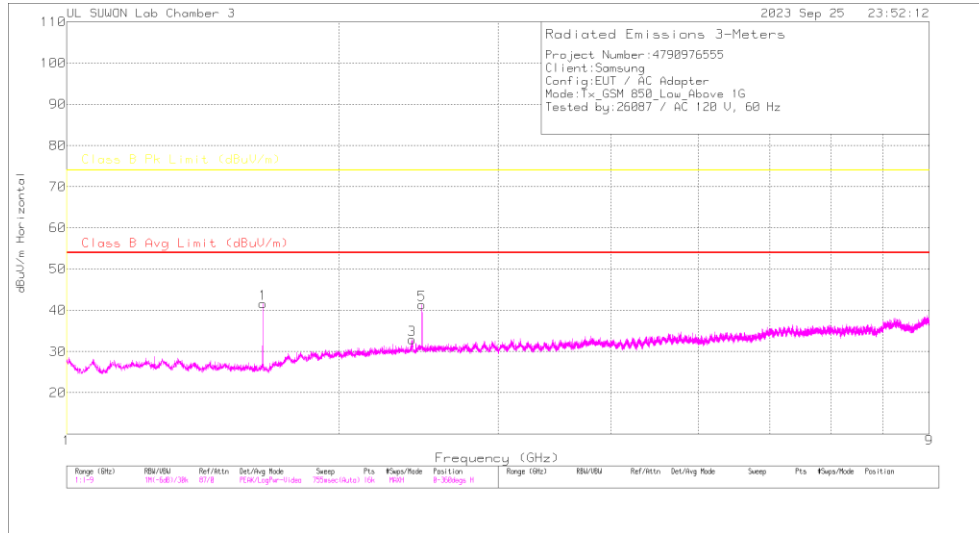
§15.109 (a) Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Limits for radiated disturbance of Class B ITE at measuring distance of 3 m	
Frequency range (MHz)	Quasi-peak limits (dB $\mu$ 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.	

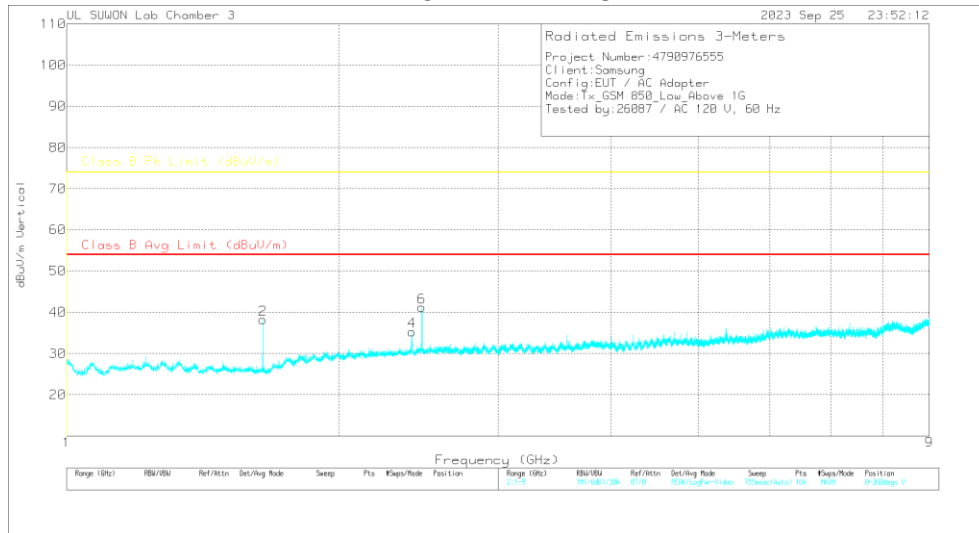
### 7.1.1. Above 1 GHz in the GSM850

#### LOW CHANNEL(869.2 MHz)

#### HORIZONTAL PEAK PLOT



#### VERTICAL PEAK PLOT



#### DATA

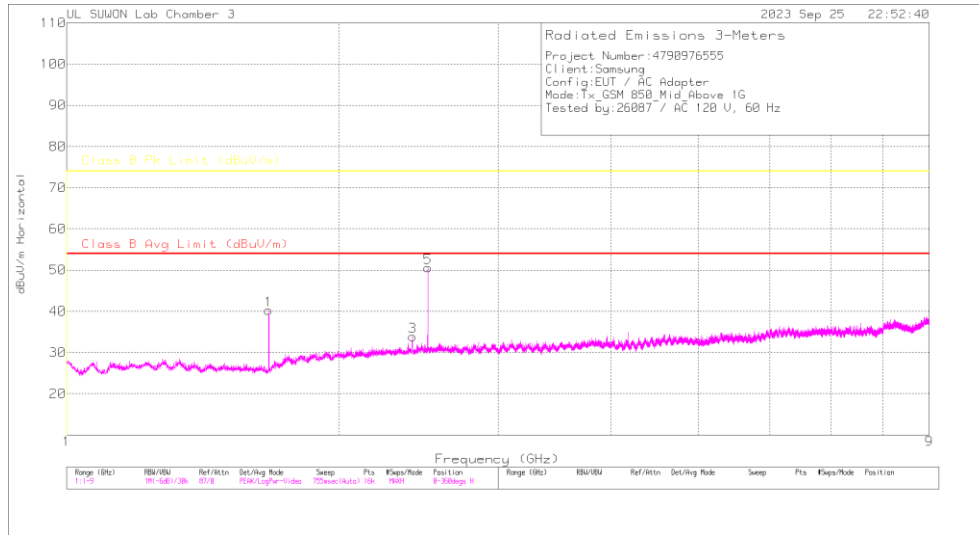
##### Radiated Emissions

Frequency [GHz]	Meter Reading [dBuV]	Det	Antenna Correction Factor [dB(1/m)]	Path Loss[dB]	1G HPF Loss[dB]	Corrected Reading [dBuV/m]	Class B Avg Limit [dBuV/m]	Margin [dB]	Class B Pk Limit [dBuV/m]	Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
1.648	51.67	Pk	28.3	-35.5	.3	44.77	-	-	74	-29.23	114	100	H
1.648	33.29	Ca	28.3	-35.5	.3	26.39	54	-27.61	-	-	114	100	H
1.648	52.98	Pk	28.3	-35.5	.3	46.08	-	-	74	-27.92	237	290	V
1.648	34.17	Ca	28.3	-35.5	.3	27.27	54	-26.73	-	-	237	290	V
2.409	43.89	Pk	32.1	-34.8	.9	42.09	-	-	74	-31.91	0	100	H
2.409	29.04	Ca	32.1	-34.8	.9	27.24	54	-26.76	-	-	0	100	H
2.4105	43.38	Pk	32.1	-34.8	.9	41.58	-	-	74	-32.42	0	100	V
2.4105	29.04	Ca	32.1	-34.8	.9	27.24	54	-26.76	-	-	0	100	V
2.4725	50.42	Pk	32.3	-34.7	1	49.02	-	-	74	-24.98	191	110	H
2.4725	33.75	Ca	32.3	-34.7	1	32.35	54	-21.65	-	-	191	110	H
2.4725	50.01	Pk	32.3	-34.7	1	48.61	-	-	74	-25.39	178	152	V
2.4725	33.28	Ca	32.3	-34.7	1	31.88	54	-22.12	-	-	178	152	V

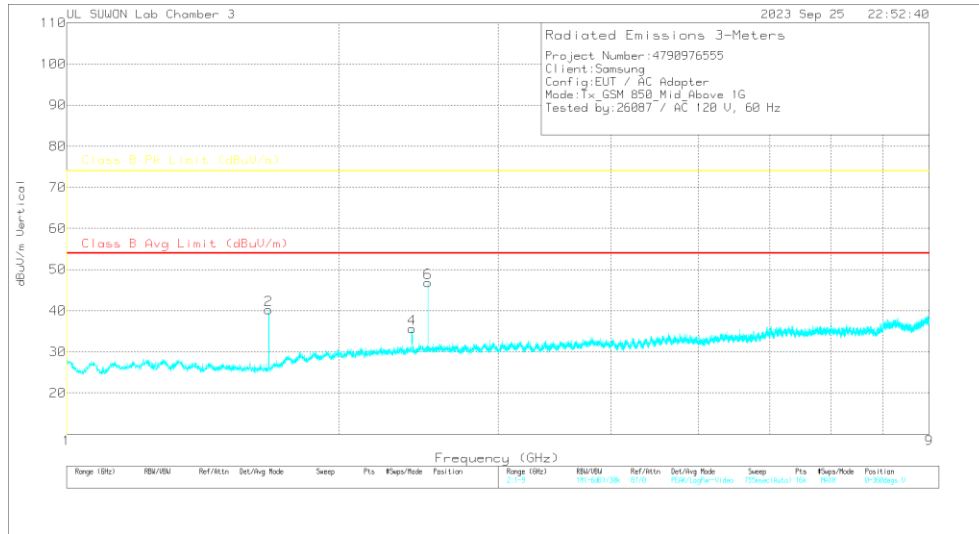
Pk - Peak detector  
 Ca - CISPR average detection

**MID CHANNEL(881.6 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

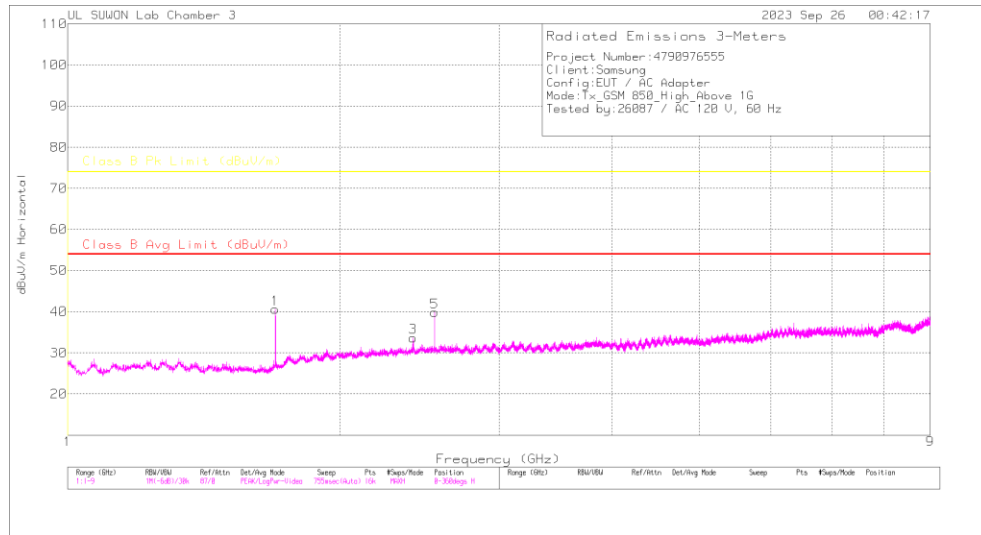
**Radiated Emissions**

Frequency [GHz]	Meter Reading [dBuV]	Det	Antenna Correction Factor [dB(1/m)]	Path Loss[dB]	1G HPF Loss[dB]	Corrected Reading [dBuV/m]	Class B Avg Limit [dBuV/m]	Margin [dB]	Class B Pk Limit [dBuV/m]	Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
1.673	51.7	Pk	28.6	-35.4	.2	45.1	-	-	74	-28.9	214	126	H
1.673	33.69	Ca	28.6	-35.4	.2	27.09	54	-26.91	-	-	214	126	H
1.673	53.21	Pk	28.6	-35.4	.2	46.61	-	-	74	-27.39	207	215	V
1.673	34.68	Ca	28.6	-35.4	.2	28.08	54	-25.92	-	-	207	215	V
2.413	41.94	Pk	32.2	-34.7	.9	40.34	-	-	74	-33.66	0	100	H
2.413	28.73	Ca	32.2	-34.7	.9	27.13	54	-26.87	-	-	0	100	H
2.409	44.87	Pk	32.1	-34.8	.9	43.07	-	-	74	-30.93	0	100	V
2.409	29.29	Ca	32.1	-34.8	.9	27.49	54	-26.51	-	-	0	100	V
2.5095	48.82	Pk	32.4	-34.6	1	47.62	-	-	74	-26.38	191	121	H
2.5095	32	Ca	32.4	-34.6	1	30.8	54	-23.2	-	-	191	121	H
2.510	48.88	Pk	32.4	-34.6	1	47.68	-	-	74	-26.32	178	149	V
2.510	31.91	Ca	32.4	-34.6	1	30.71	54	-23.29	-	-	178	149	V

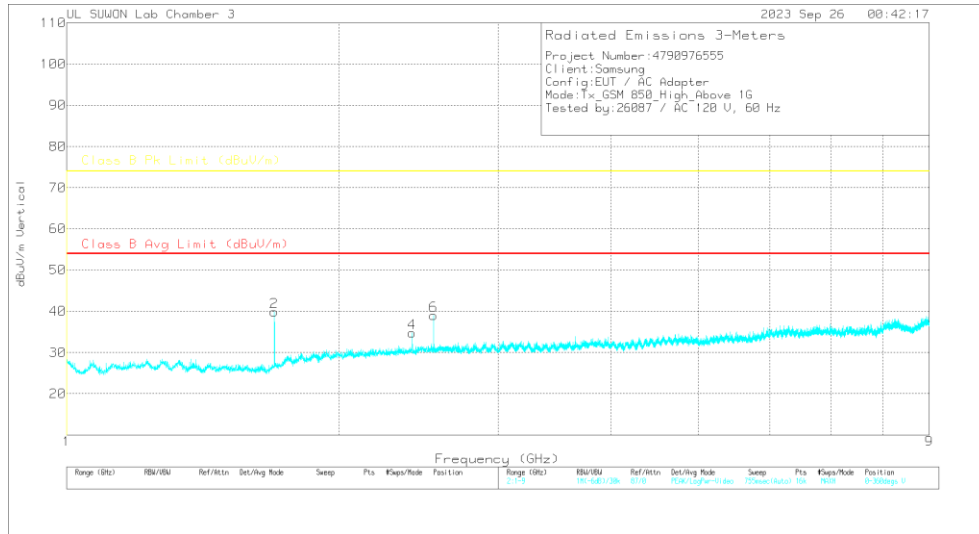
Pk - Peak detector  
 Ca - CISPR average detection

**HIGH CHANNEL(893.8 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

**Radiated Emissions**

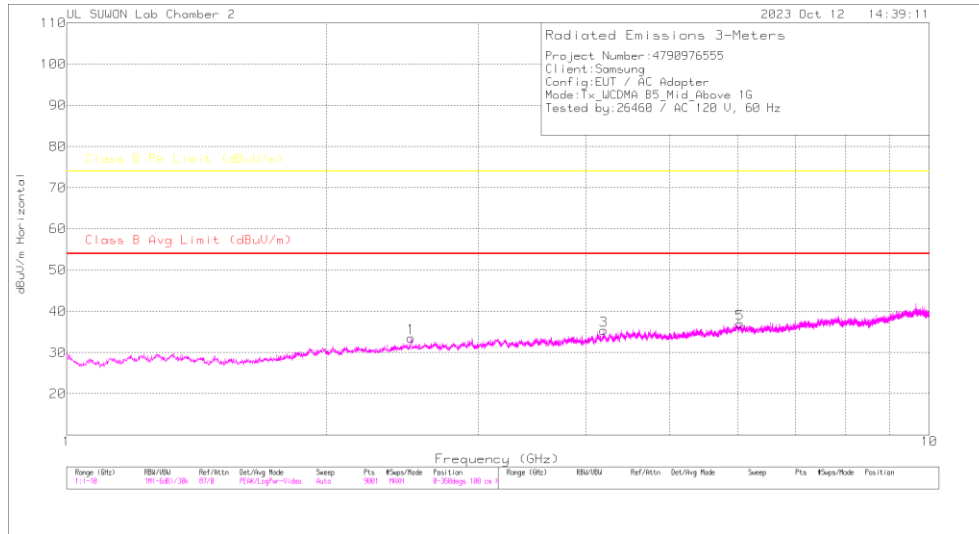
Frequency [GHz]	Meter Reading [dBuV]	Det	Antenna Correction Factor [dB(1/m)]	Path Loss[dB]	1G HPF Loss[dB]	Corrected Reading [dBuV/m]	Class B Avg Limit [dBuV/m]	Margin [dB]	Class B Pk Limit [dBuV/m]	Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
1.6975	52	Pk	29	-35.3	.4	46.1	-	-	74	-27.9	117	100	H
1.6975	33.87	Ca	29	-35.3	.4	27.97	54	-26.03	-	-	117	100	H
1.6975	52.2	Pk	29	-35.3	.4	46.3	-	-	74	-27.7	206	182	V
1.6975	34.9	Ca	29	-35.3	.4	29	54	-25	-	-	206	182	V
2.4105	40.59	Pk	32.1	-34.8	.9	38.79	-	-	74	-35.21	0	100	H
2.4105	28.8	Ca	32.1	-34.8	.9	27	54	-27	-	-	0	100	H
2.4105	41.44	Pk	32.1	-34.8	.9	39.64	-	-	74	-34.36	0	100	V
2.4105	29	Ca	32.1	-34.8	.9	27.2	54	-26.8	-	-	0	100	V
2.5465	46.67	Pk	32.4	-34.5	.9	45.47	-	-	74	-28.53	193	115	H
2.5465	31.17	Ca	32.4	-34.5	.9	29.97	54	-24.03	-	-	193	115	H
2.5465	48.13	Pk	32.4	-34.5	.9	46.93	-	-	74	-27.07	260	305	V
2.5465	32.03	Ca	32.4	-34.5	.9	30.83	54	-23.17	-	-	260	305	V

Pk - Peak detector  
 Ca - CISPR average detection

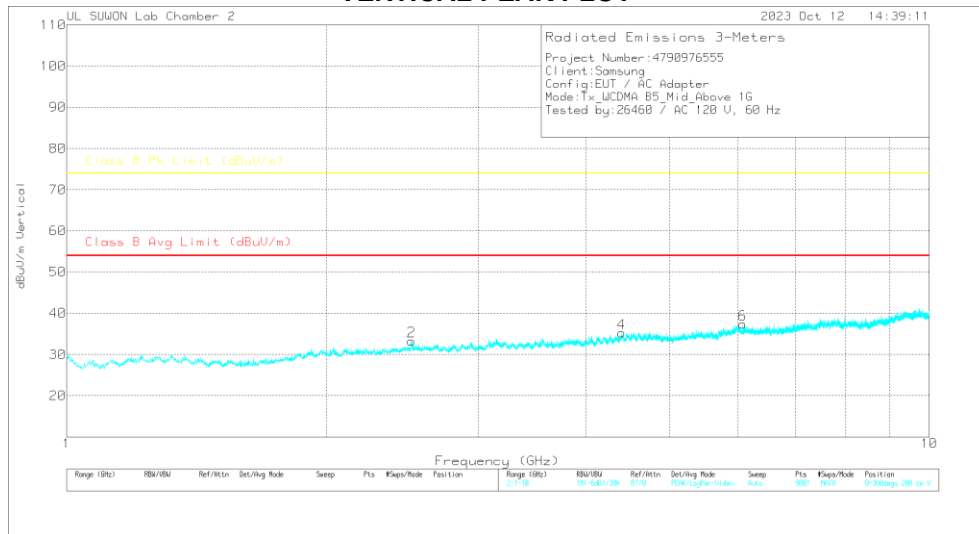
### 7.1.2. Above 1 GHz in the WCDMA Band 5

#### MID CHANNEL(881.6 MHz)

#### HORIZONTAL PEAK PLOT



#### VERTICAL PEAK PLOT



#### DATA

##### Radiated Emissions

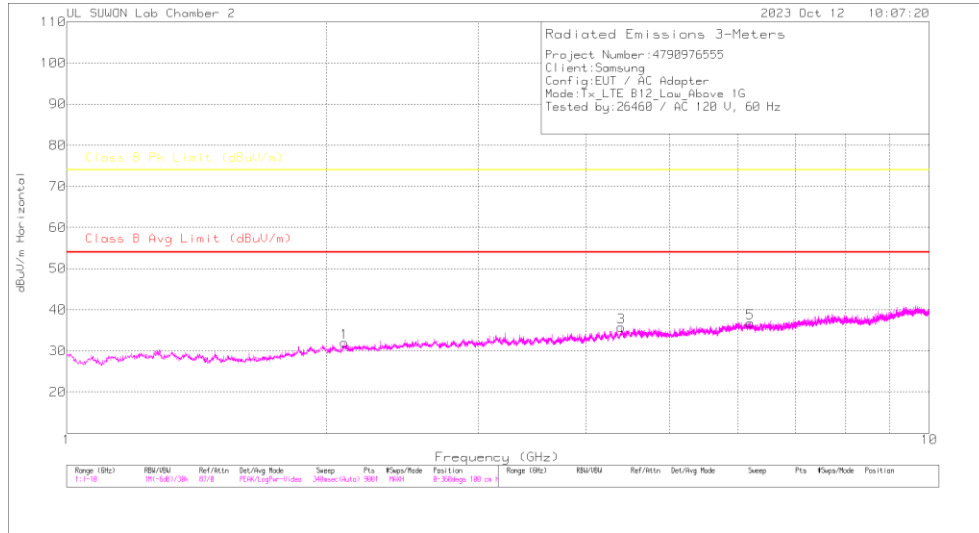
Frequency [GHz]	Meter Reading [dBuV]	Det	Antenna Correction Factor [dB(1/m)]	Path Loss[dB]	1G HPF Loss[dB]	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CISPR)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.507	36.87	Pk	31.9	-28.9	.8	40.67	-	-	74	-33.33	0	100	H
2.507	24.68	Ca	31.9	-28.9	.8	28.48	54	-25.52	-	-	0	100	H
2.512	35.8	Pk	31.9	-28.9	.8	39.6	-	-	74	-34.4	0	100	V
2.512	24.49	Ca	31.9	-28.9	.8	28.29	54	-25.71	-	-	0	100	V
4.192	35.47	Pk	33.3	-27.1	.4	42.07	-	-	74	-31.93	0	100	H
4.192	23.82	Ca	33.3	-27.1	.4	30.42	54	-23.58	-	-	0	100	H
4.4	36.12	Pk	33.6	-27.4	.4	42.72	-	-	74	-31.28	0	100	V
4.4	24.02	Ca	33.6	-27.4	.4	30.62	54	-23.38	-	-	0	100	V
6.034	34.99	Pk	35.1	-26.2	.5	44.39	-	-	74	-29.61	0	100	H
6.034	23.24	Ca	35.1	-26.2	.5	32.64	54	-21.36	-	-	0	100	H
6.078	34.64	Pk	35.1	-26	.4	44.14	-	-	74	-29.86	0	100	V
6.078	22.97	Ca	35.1	-26	.4	32.47	54	-21.53	-	-	0	100	V

Pk - Peak detector  
 Ca - CISPR average detection

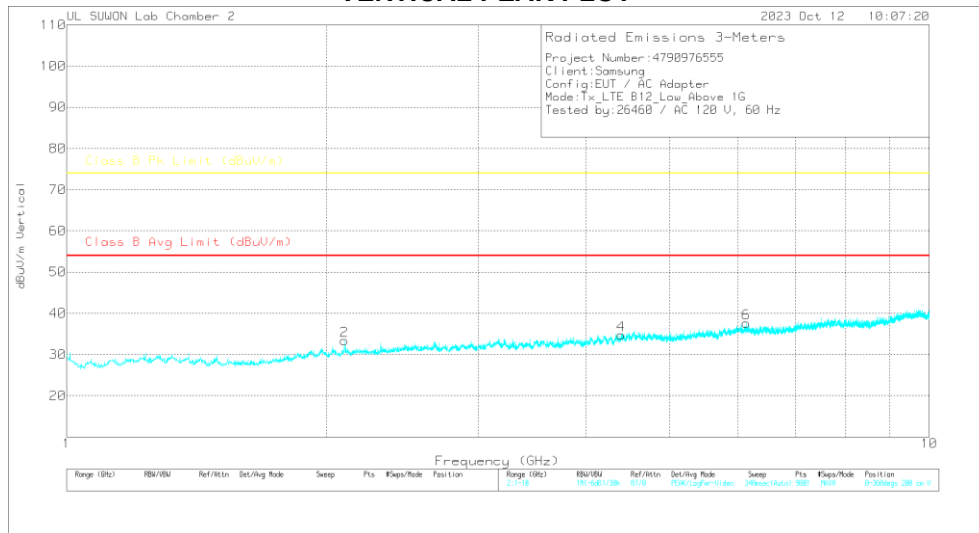
### 7.1.3. Above 1 GHz in the LTE Band 12

#### LOW CHANNEL(731.5 MHz)

#### HORIZONTAL PEAK PLOT



#### VERTICAL PEAK PLOT



#### DATA

#### Radiated Emissions

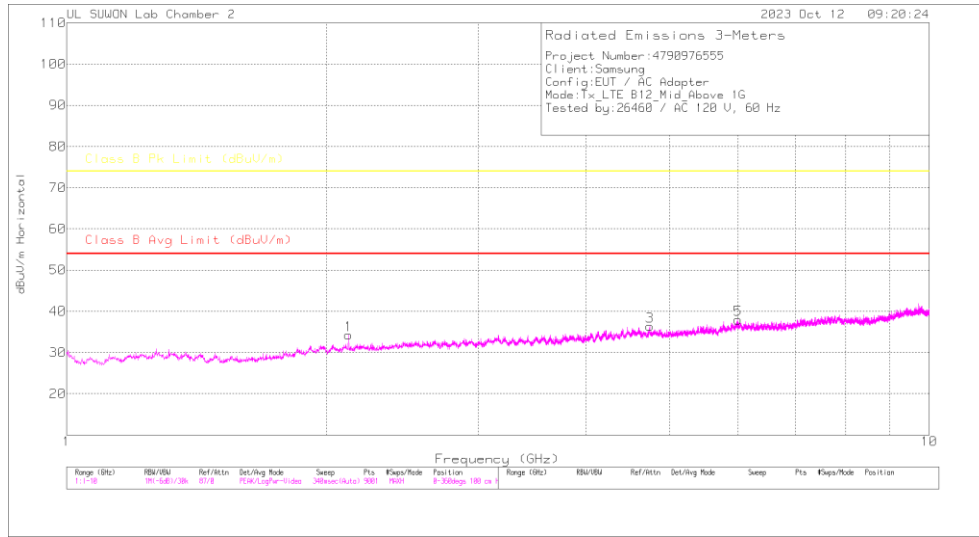
Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor [dB(1m)]	Path Loss[dB]	1G HPF Loss[dB]	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CISPR)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.099	38.3	Pk	31.4	-29.5	.6	40.8	54	-	74	-33.2	0	100	H
2.099	25.65	Ca	31.4	-29.5	.6	28.15	54	-25.85	-	-	0	100	H
2.099	36.96	Pk	31.4	-29.5	.6	39.46	54	-	74	-34.54	0	100	V
2.099	24.44	Ca	31.4	-29.5	.6	26.94	54	-27.06	-	-	0	100	V
4.393	35.7	Pk	33.6	-27.4	.5	42.4	54	-	74	-31.6	0	100	H
4.393	23.88	Ca	33.6	-27.4	.5	30.58	54	-23.42	-	-	0	100	H
4.395	36.21	Pk	33.6	-27.4	.5	42.91	54	-	74	-31.09	0	100	V
4.395	23.97	Ca	33.6	-27.4	.5	30.67	54	-23.33	-	-	0	100	V
6.204	35.07	Pk	35.3	-25.5	.5	45.37	54	-	74	-28.63	0	100	H
6.204	22.46	Ca	35.3	-25.5	.5	32.76	54	-21.24	-	-	0	100	H
6.134	35.16	Pk	35.2	-25.6	.4	45.16	54	-	74	-28.84	0	100	V
6.134	22.67	Ca	35.2	-25.6	.4	32.67	54	-21.33	-	-	0	100	V

Pk - Peak detector  
 Ca - CISPR average detection

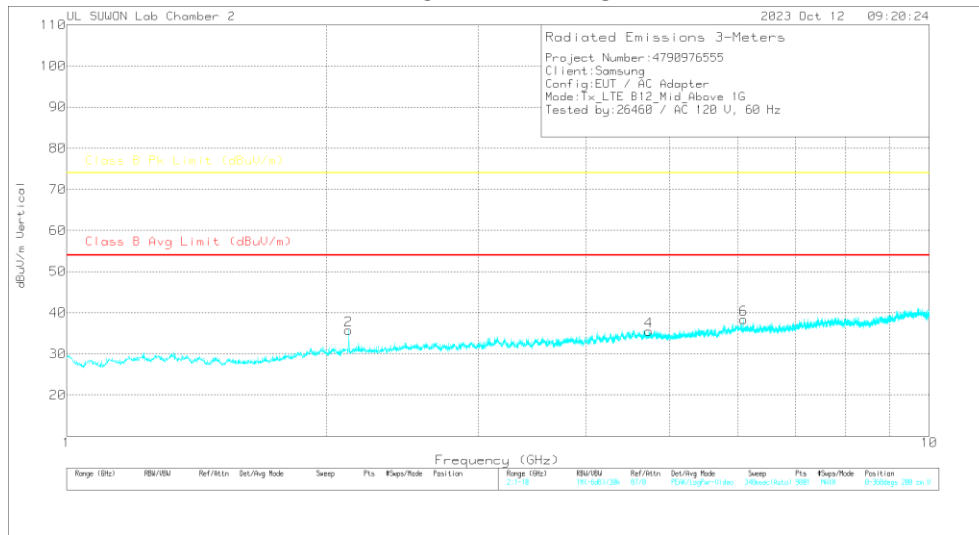


**MID CHANNEL(737.5 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

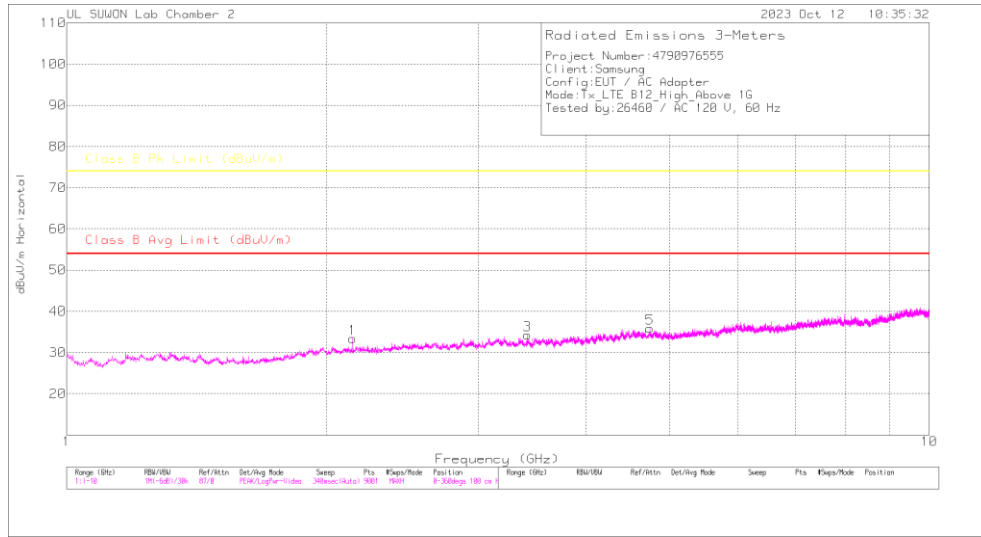
**Radiated Emissions**

Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor [dB(1/m)]	Path Loss[dB]	1G HPF Loss[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
2.122	38.42	Pk	31.4	-29.4	.6	41.02	-	-	74	-32.98	0	100	H
2.122	25.4	Ca	31.4	-29.4	.6	28	54	-26	-	-	0	100	H
2.123	35.71	Pk	31.4	-29.3	.6	38.41	-	-	74	-35.59	0	100	V
2.123	23.91	Ca	31.4	-29.3	.6	26.61	54	-27.39	-	-	0	100	V
4.743	36.41	Pk	34	-27.4	.4	43.41	-	-	74	-30.59	0	100	H
4.743	23.73	Ca	34	-27.4	.4	30.73	54	-23.27	-	-	0	100	H
4.731	36.11	Pk	34	-27.6	.4	42.91	-	-	74	-31.09	0	100	V
4.731	23.8	Ca	34	-27.6	.4	30.6	54	-23.4	-	-	0	100	V
5.999	36.08	Pk	35	-26.3	.5	45.28	-	-	74	-28.72	0	100	H
5.999	23.2	Ca	35	-26.3	.5	32.4	54	-21.6	-	-	0	100	H
6.095	34.72	Pk	35.2	-25.9	.4	44.42	-	-	74	-29.58	0	100	V
6.095	23.09	Ca	35.2	-25.9	.4	32.79	54	-21.21	-	-	0	100	V

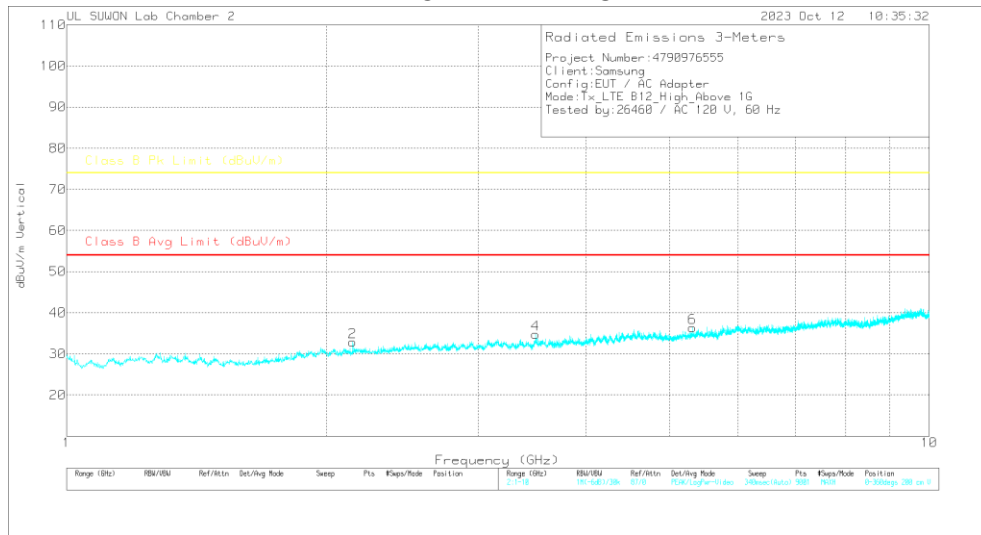
Pk - Peak detector  
 Ca - CISPR average detection

**HIGH CHANNEL(743.5 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

**Radiated Emissions**

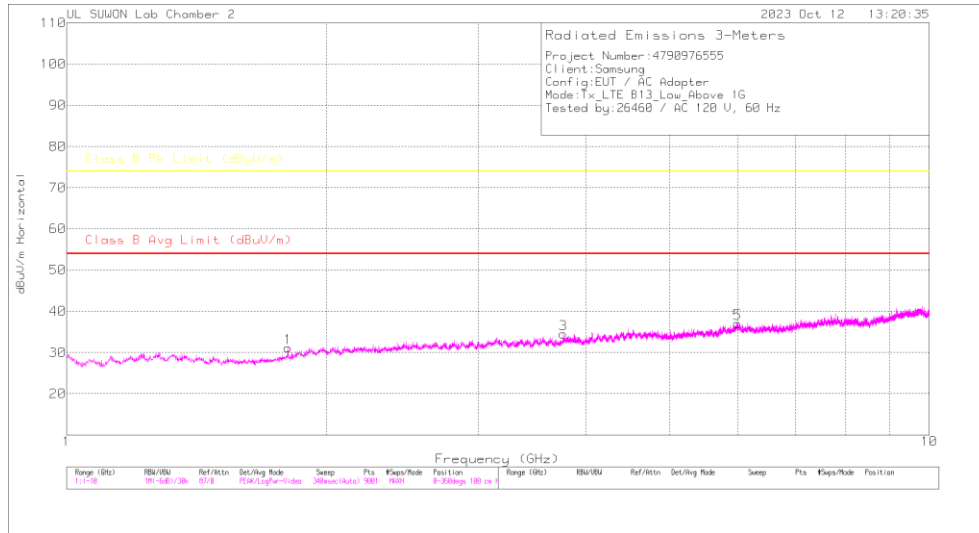
Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor [dB(1/m)]	Path Loss[dB]	1G HPF Loss[dB]	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CISPR)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.145	37.31	Pk	31.4	-29.4	.7	40.01	-	-	74	-33.99	0	100	H
2.145	24.62	Ca	31.4	-29.4	.7	27.32	54	-26.68	-	-	0	100	H
2.145	35.54	Pk	31.4	-29.4	.7	38.24	-	-	74	-35.76	0	100	V
2.145	23.6	Ca	31.4	-29.4	.7	26.3	54	-27.7	-	-	0	100	V
3.421	34.87	Pk	32.7	-28	.6	40.17	-	-	74	-33.83	0	100	H
3.421	23.08	Ca	32.7	-28	.6	28.38	54	-25.62	-	-	0	100	H
3.498	35.51	Pk	32.7	-27.7	.5	41.01	-	-	74	-32.99	0	100	V
3.498	23.28	Ca	32.7	-27.7	.5	28.78	54	-25.22	-	-	0	100	V
4.743	36.05	Pk	34	-27.4	.4	43.05	-	-	74	-30.95	0	100	H
4.743	23.71	Ca	34	-27.4	.4	30.71	54	-23.29	-	-	0	100	H
5.313	35.85	Pk	34.4	-27.2	.5	43.55	-	-	74	-30.45	0	100	V
5.313	23.43	Ca	34.4	-27.2	.5	31.13	54	-22.87	-	-	0	100	V

Pk - Peak detector  
 Ca - CISPR average detection

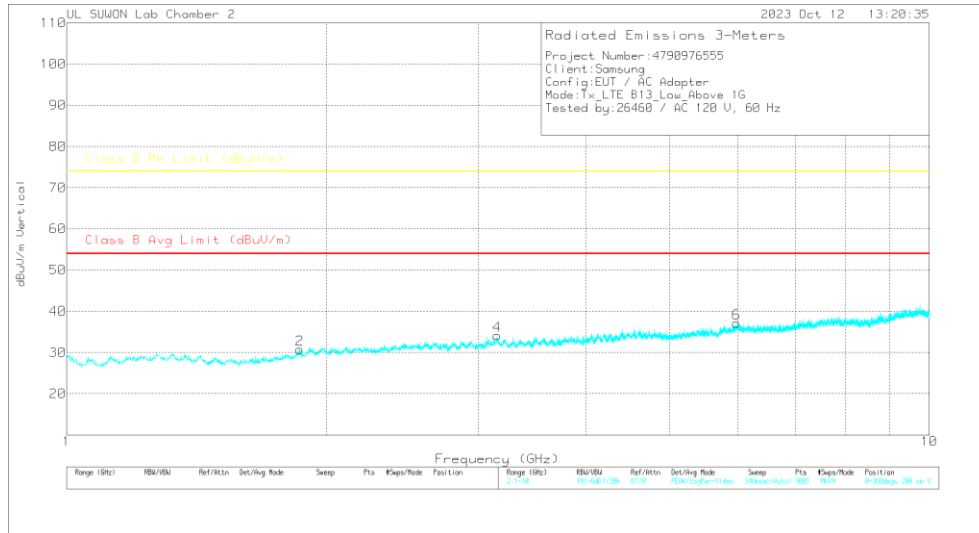
### 7.1.4. Above 1 GHz in the LTE Band 13

#### LOW CHANNEL(748.5 MHz)

#### HORIZONTAL PEAK PLOT



#### VERTICAL PEAK PLOT



#### DATA

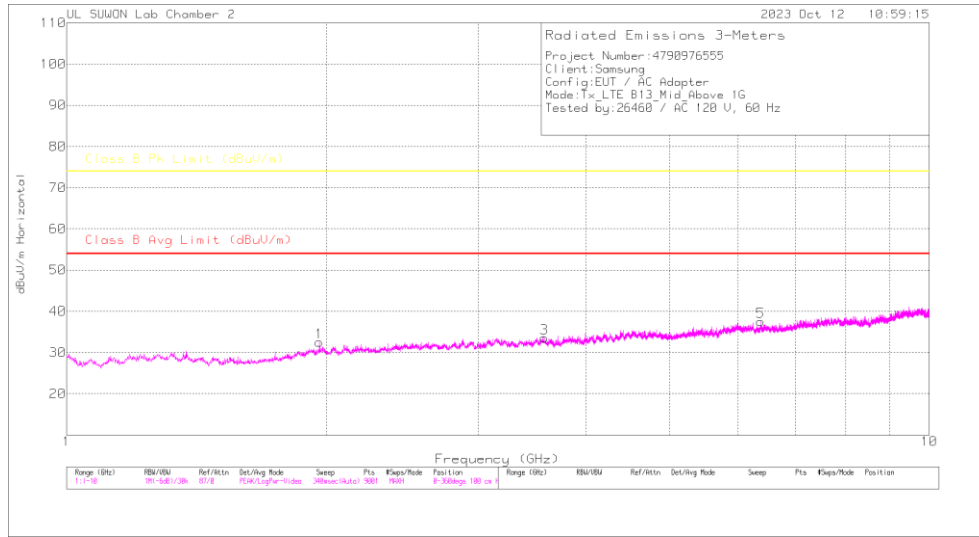
##### Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor [dB(1/m)]	Path Loss[dB]	1G HPF Loss[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
1.805	36.79	Pk	-29.7	-30.2	.7	36.99	-	-	74	-37.01	0	100	H
1.805	24.59	Ca	-29.7	-30.2	.7	24.79	54	-29.21	-	-	0	100	H
1.864	37.65	Pk	-30.3	-30.1	.6	38.45	-	-	74	-35.55	0	100	V
1.864	24.58	Ca	-30.3	-30.1	.6	25.38	-	-	74	-	0	100	V
3.766	35.83	Pk	-33	-28.2	.4	41.03	-	-	74	-32.97	0	100	H
3.766	23.94	Ca	-33	-28.2	.4	29.14	54	-24.86	-	-	0	100	H
3.154	35.94	Pk	-32.8	-28.5	.7	40.94	-	-	74	-33.06	0	100	V
3.154	23.77	Ca	-32.8	-28.5	.7	28.77	54	-25.23	-	-	0	100	V
5.997	35.87	Pk	-35	-26.3	.5	45.07	-	-	74	-28.93	0	100	H
5.997	23.33	Ca	-35	-26.3	.5	32.53	54	-21.47	-	-	0	100	H
5.978	34.93	Pk	-35	-26.3	.6	44.23	-	-	74	-29.77	0	100	V
5.978	23.35	Ca	-35	-26.3	.6	32.65	54	-21.35	-	-	0	100	V

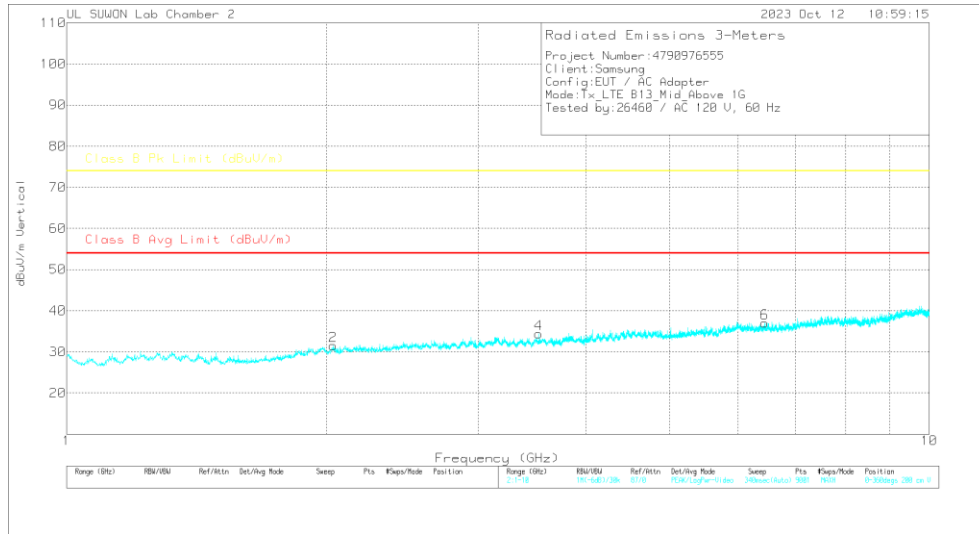
Pk - Peak detector  
 Ca - CISPR average detection

**MID CHANNEL(751.0 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

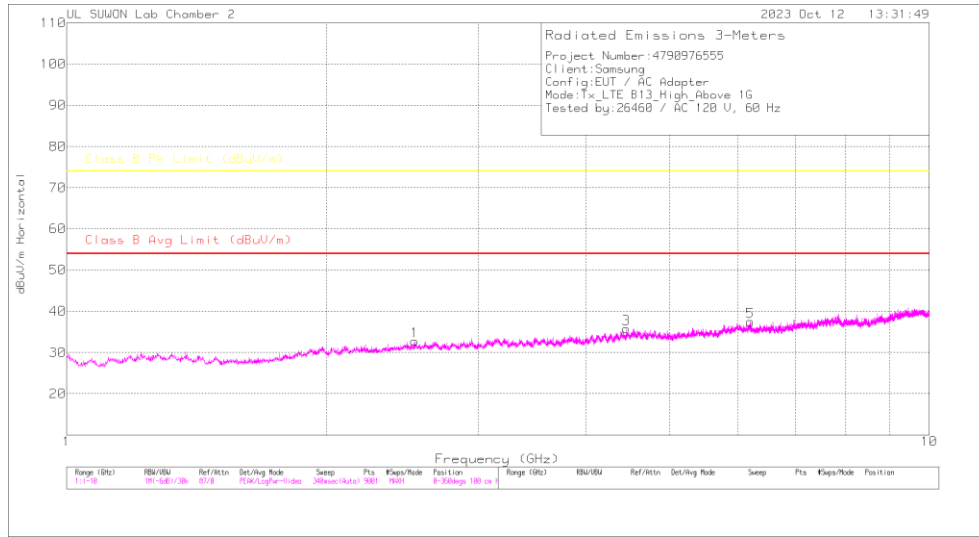
**Radiated Emissions**

Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor (dB(1/m))	Path Loss[dB]	1G HPF Loss[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
1.964	35.88	Pk	31.1	-29.9	.6	37.68	-	-	74	-36.32	0	100	H
1.964	24.32	Ca	31.1	-29.9	.6	26.12	54	-27.88	-	-	0	100	H
2.038	36.62	Pk	31.4	-29.7	.5	38.82	-	-	74	-35.18	0	100	V
2.038	24.45	Ca	31.4	-29.7	.5	26.65	54	-27.35	-	-	0	100	V
3.579	35.24	Pk	32.7	-28.1	.6	40.44	-	-	74	-33.56	0	100	H
3.579	23.37	Ca	32.7	-28.1	.6	28.57	54	-25.43	-	-	0	100	H
3.524	34.69	Pk	32.7	-27.8	.5	40.09	-	-	74	-33.91	0	100	V
3.524	22.71	Ca	32.7	-27.8	.5	28.11	54	-25.89	-	-	0	100	V
6.379	34.37	Pk	35.3	-25.7	.4	44.37	-	-	74	-29.63	0	100	H
6.379	22.63	Ca	35.3	-25.7	.4	32.63	54	-21.37	-	-	0	100	H
6.449	34.24	Pk	35.4	-25.4	.4	44.64	-	-	74	-29.36	0	100	V
6.449	22.27	Ca	35.4	-25.4	.4	32.67	54	-21.33	-	-	0	100	V

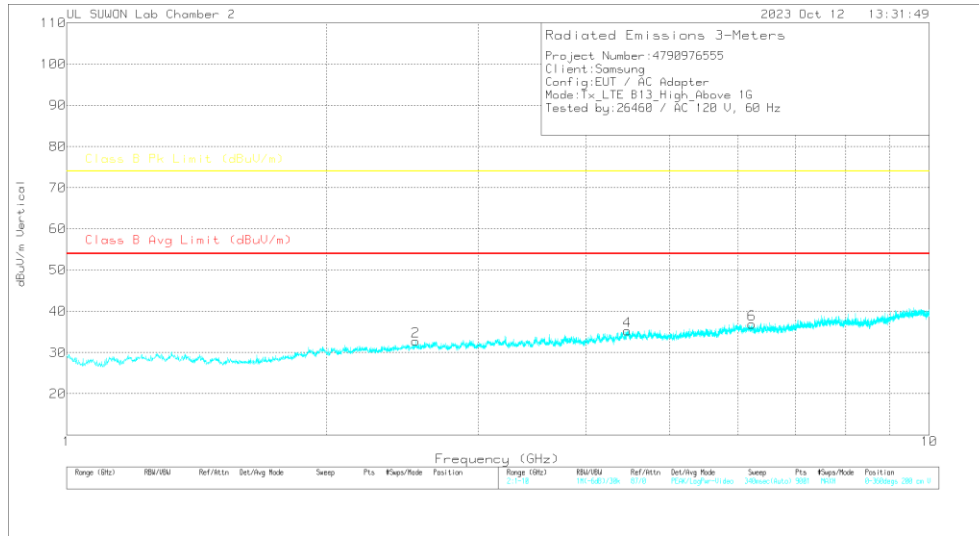
Pk - Peak detector  
 Ca - CISPR average detection

**HIGH CHANNEL(753.5 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

**Radiated Emissions**

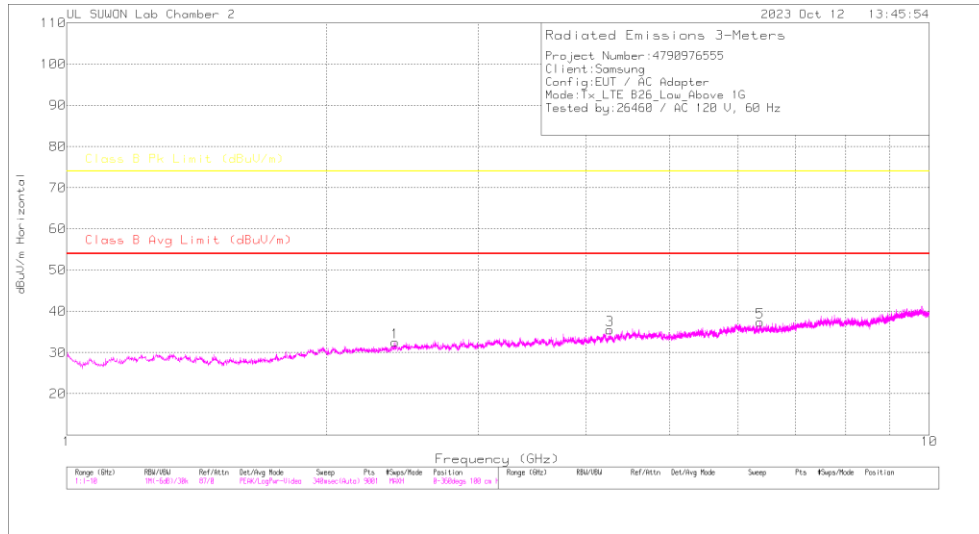
Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor (dB(1/m))	Path Loss[dB]	1G HPF Loss[dB]	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CISPR)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.533	35.27	Pk	31.9	-28.9	.7	38.97	-	-	74	-35.03	0	100	H
2.533	23.54	Ca	31.9	-28.9	.7	27.24	54	-26.76	-	-	0	100	H
2.539	35.61	Pk	32	-28.9	.7	39.41	-	-	74	-34.59	0	100	V
2.539	23.62	Ca	32	-28.9	.7	27.42	54	-26.58	-	-	0	100	V
4.455	35.35	Pk	33.7	-27.4	.3	41.95	-	-	74	-32.05	0	100	H
4.455	23.6	Ca	33.7	-27.4	.3	30.2	54	-23.8	-	-	0	100	H
4.465	35.98	Pk	33.8	-27.3	.3	42.78	-	-	74	-31.22	0	100	V
4.465	23.92	Ca	33.8	-27.3	.3	30.72	54	-23.28	-	-	0	100	V
6.207	33.87	Pk	35.3	-25.5	.5	44.17	-	-	74	-29.83	0	100	H
6.207	22.37	Ca	35.3	-25.5	.5	32.67	54	-21.33	-	-	0	100	H
6.229	34.72	Pk	35.3	-25.7	.5	44.82	-	-	74	-29.18	0	100	V
6.229	22.59	Ca	35.3	-25.7	.5	32.69	54	-21.31	-	-	0	100	V

Pk - Peak detector  
 Ca - CISPR average detection

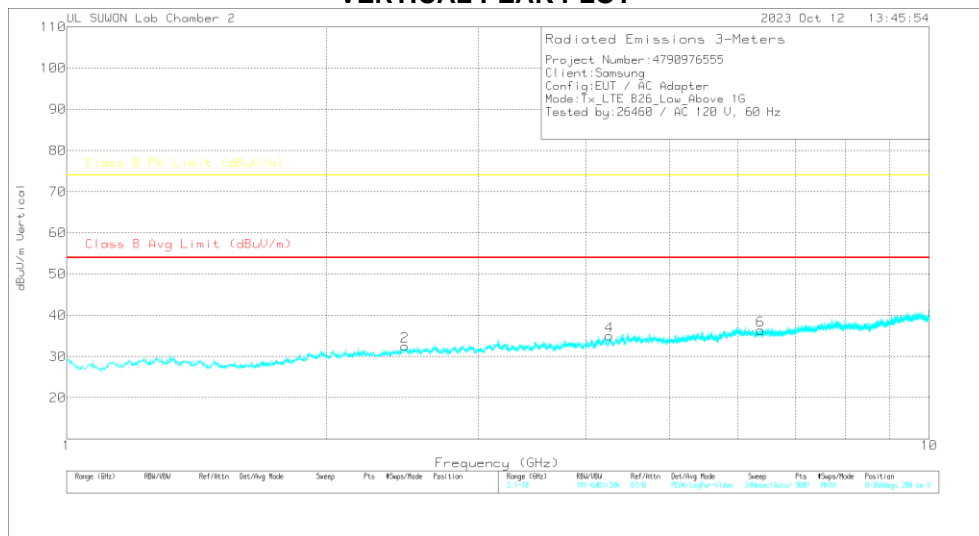
### 7.1.5. Above 1 GHz in the LTE Band 26

#### LOW CHANNEL(861.5 MHz)

#### HORIZONTAL PEAK PLOT



#### VERTICAL PEAK PLOT



#### DATA

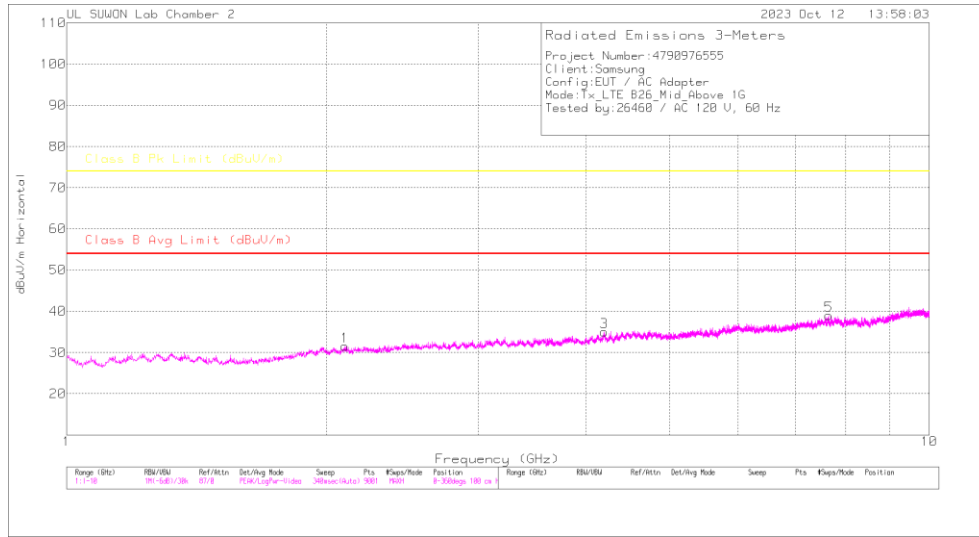
#### Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor [dB(1/m)]	Path Loss[dB]	1G HPF Loss[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
2.404	37.04	Pk	31.7	-29.2	.8	40.34	54	-	74	-33.66	0	100	H
2.404	23.67	Ca	31.7	-29.2	.8	26.97	-	-27.03	-	-	0	100	H
2.466	35.7	Pk	31.8	-28.8	.8	39.5	-	-	74	-34.5	0	100	V
2.466	23.59	Ca	31.8	-28.8	.8	27.39	54	-26.61	-	-	0	100	V
4.263	35.95	Pk	33.4	-27.5	.5	42.35	-	-	74	-31.65	0	100	H
4.263	23.94	Ca	33.4	-27.5	.5	30.34	54	-23.66	-	-	0	100	H
4.257	35.74	Pk	33.3	-27.4	.5	42.14	-	-	74	-31.86	0	100	V
4.257	23.75	Ca	33.3	-27.4	.5	30.15	54	-23.85	-	-	0	100	V
6.365	34.37	Pk	35.3	-25.8	.4	44.27	-	-	74	-29.73	0	100	H
6.365	22.56	Ca	35.3	-25.8	.4	32.46	54	-21.54	-	-	0	100	H
6.377	35.06	Pk	35.3	-25.8	.4	44.96	-	-	74	-29.04	0	100	V
6.377	22.67	Ca	35.3	-25.8	.4	32.57	54	-21.43	-	-	0	100	V

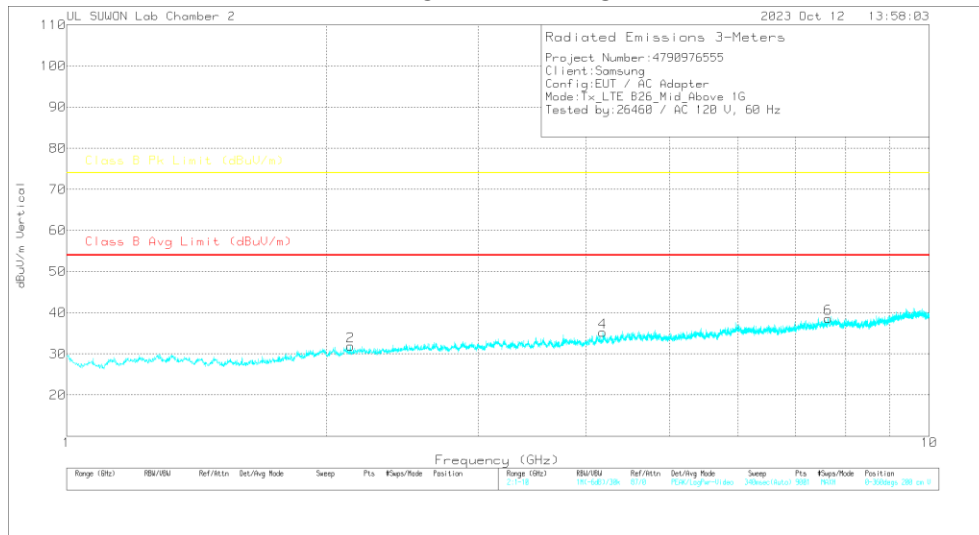
Pk - Peak detector  
 Ca - CISPR average detection

**MID CHANNEL(876.5 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

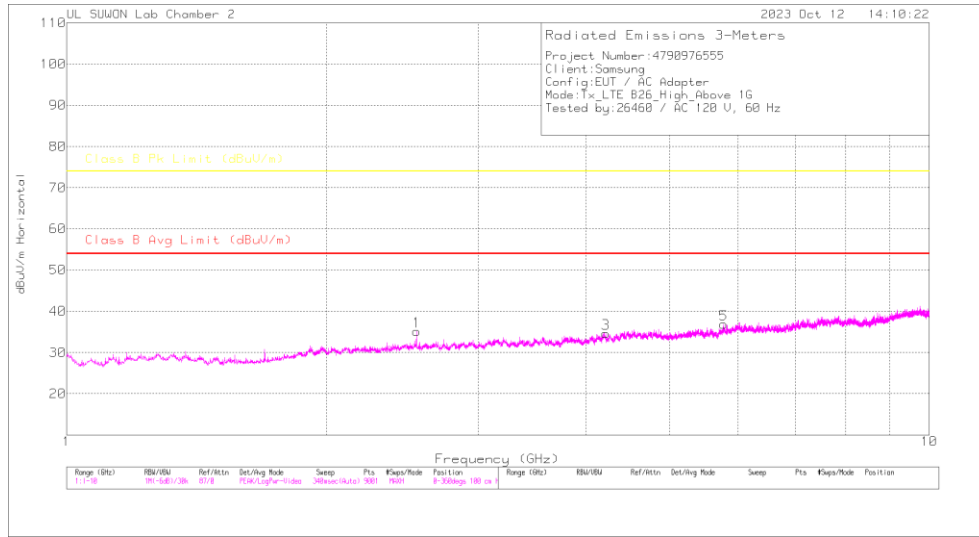
**Radiated Emissions**

Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor [dB(1/m)]	Path Loss[dB]	1G HPF Loss[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
2.103	36.25	Pk	31.4	-29.5	.6	38.75	-	-	74	-35.25	0	100	H
2.103	24.05	Ca	31.4	-29.5	.6	26.55	54	-27.45	-	-	0	100	H
2.133	35.74	Pk	31.4	-29.3	.6	38.44	-	-	74	-35.56	0	100	V
2.133	23.39	Ca	31.4	-29.3	.6	26.09	54	-27.91	-	-	0	100	V
4.2	36.06	Pk	33.3	-27.1	.4	42.66	-	-	74	-31.34	0	100	H
4.2	23.9	Ca	33.3	-27.1	.4	30.5	54	-23.5	-	-	0	100	H
4.185	35.23	Pk	33.3	-27.1	.4	41.83	-	-	74	-32.17	0	100	V
4.185	23.54	Ca	33.3	-27.1	.4	30.14	54	-23.86	-	-	0	100	V
7.644	34.06	Pk	35.8	-23.9	.4	46.36	-	-	74	-27.64	0	100	H
7.644	21.8	Ca	35.8	-23.9	.4	34.1	54	-19.9	-	-	0	100	H
7.638	33.7	Pk	35.8	-23.9	.4	46	-	-	74	-28	0	100	V
7.638	21.94	Ca	35.8	-23.9	.4	34.24	54	-19.76	-	-	0	100	V

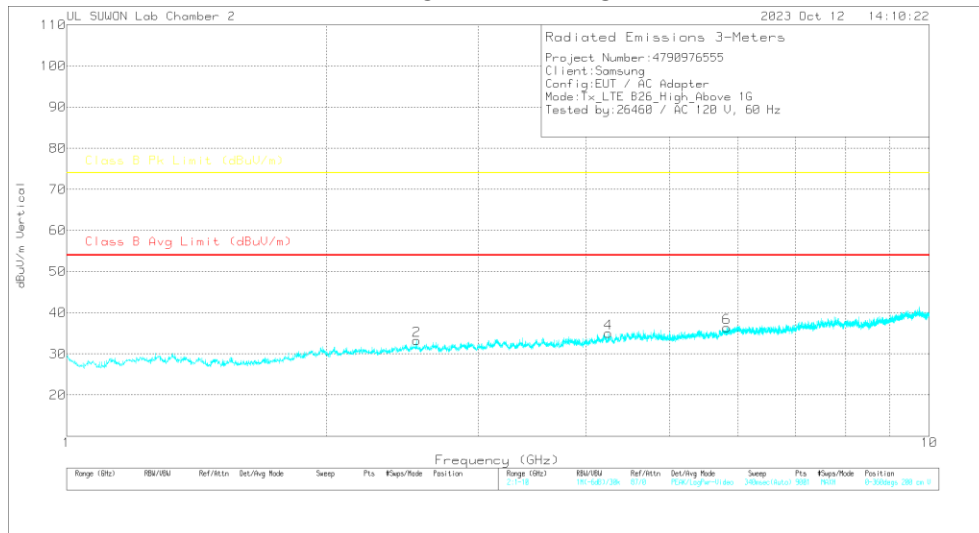
Pk - Peak detector  
 Ca - CISPR average detection

**HIGH CHANNEL(891.5 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

**Radiated Emissions**

Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor [dB(1/m)]	Path Loss[dB]	1G HPF Loss[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
2.545	38.86	Pk	32	-28.9	.7	42.66	-	-	74	-31.34	0	100	H
2.545	25.93	Ca	32	-28.9	.7	29.73	54	-24.27	-	-	0	100	H
2.544	36.33	Pk	32	-28.9	.7	40.13	-	-	74	-33.87	0	100	V
2.544	24.15	Ca	32	-28.9	.7	27.95	54	-26.05	-	-	0	100	V
4.218	35.77	Pk	33.3	-27.2	.4	42.27	-	-	74	-31.73	0	100	H
4.218	23.36	Ca	33.3	-27.2	.4	29.86	54	-24.14	-	-	0	100	H
4.247	35.85	Pk	33.3	-27.4	.4	42.15	-	-	74	-31.85	0	100	V
4.247	23.37	Ca	33.3	-27.4	.4	29.67	54	-24.33	-	-	0	100	V
5.775	35.12	Pk	34.6	-25.9	.5	44.32	-	-	74	-29.68	0	100	H
5.775	22.79	Ca	34.6	-25.9	.5	31.99	54	-22.01	-	-	0	100	H
5.828	34.81	Pk	34.7	-25.8	.5	44.21	-	-	74	-29.79	0	100	V
5.828	22.46	Ca	34.7	-25.8	.5	31.86	54	-22.14	-	-	0	100	V

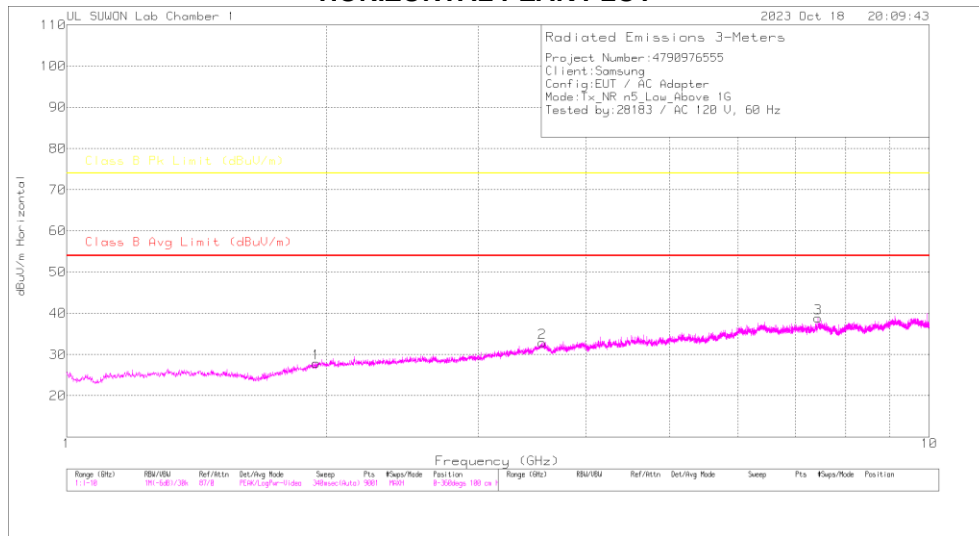
Pk - Peak detector  
 Ca - CISPR average detection



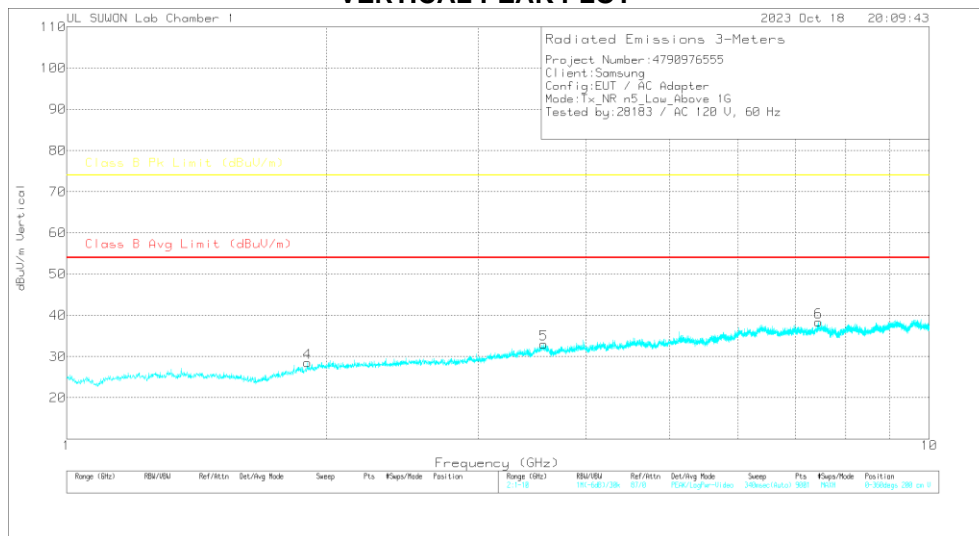
### 7.1.6. Above 1 GHz in the 5G NR Band n5

#### LOW CHANNEL(874 MHz)

#### HORIZONTAL PEAK PLOT



#### VERTICAL PEAK PLOT



#### DATA

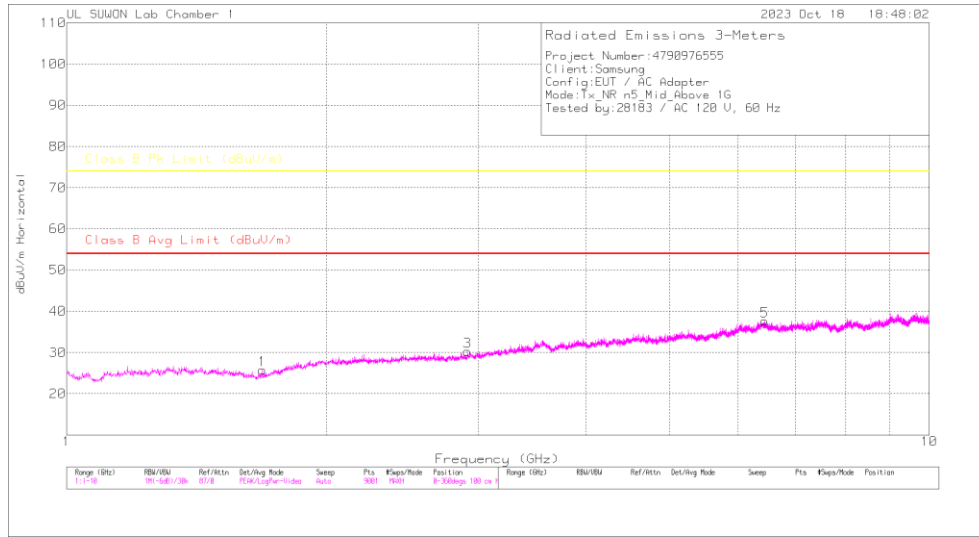
#### Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor [dB(1/m)]	Path Loss[dB]	1G HPF Loss[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
1.947	41.74	Pk	31.1	-38.6	.9	35.14	54	-	74	-38.86	0	100	H
1.947	29.64	Ca	31.1	-38.6	.9	23.04	-	-30.96	-	-	0	100	H
1.901	41.72	Pk	30.7	-38.7	.9	34.62	-	-	74	-39.38	0	100	V
1.901	29.74	Ca	30.7	-38.7	.9	22.64	54	-31.36	-	-	0	100	V
3.557	40.66	Pk	33.4	-35.2	.9	39.76	-	-	74	-34.24	0	100	H
3.557	28.78	Ca	33.4	-35.2	.9	27.88	54	-26.12	-	-	0	100	H
3.574	40.63	Pk	33.5	-35.2	.9	39.83	-	-	74	-34.17	0	100	V
3.574	28.31	Ca	33.5	-35.2	.9	27.51	54	-26.49	-	-	0	100	V
7.433	39.09	Pk	35.6	-30.4	.8	45.09	-	-	74	-28.91	0	100	H
7.433	27.2	Ca	35.6	-30.4	.8	33.2	54	-20.8	-	-	0	100	H
7.442	39.12	Pk	35.6	-30.2	.8	45.32	-	-	74	-28.68	0	100	V
7.442	27.03	Ca	35.6	-30.2	.8	33.23	54	-20.77	-	-	0	100	V

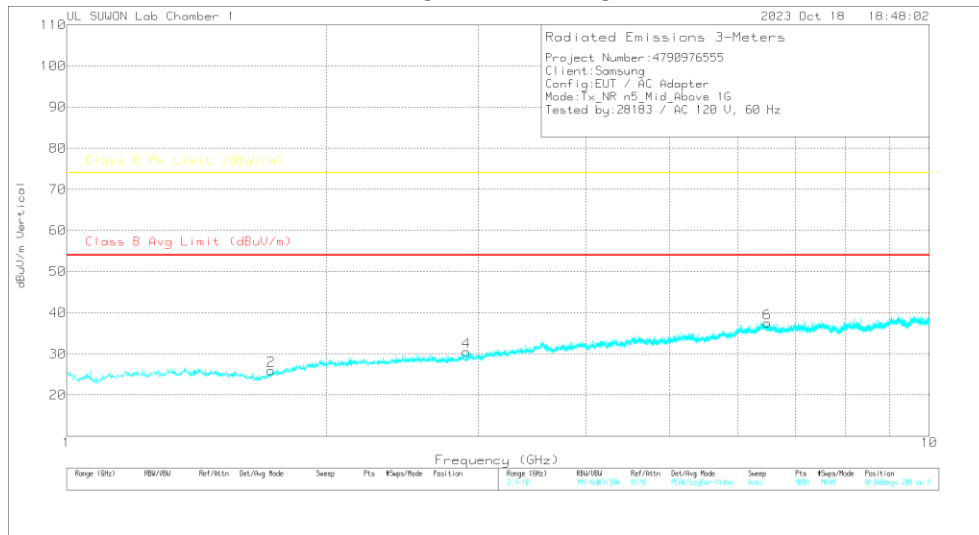
Pk - Peak detector  
 Ca - CISPR average detection

**MID CHANNEL(881.5 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

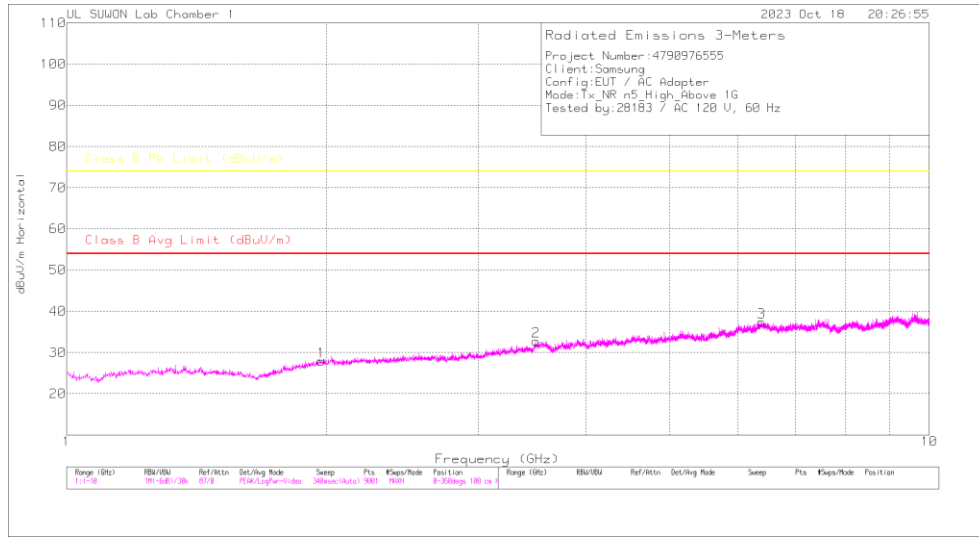
**Radiated Emissions**

Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor [dB(1/m)]	Path Loss[dB]	1G HPF Loss[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
1.687	42.33	Pk	28.7	-39	.3	32.33	-	-	74	-41.67	0	100	H
1.687	30.13	Ca	28.7	-39	.3	20.13	54	-33.87	-	-	0	100	H
1.726	42.23	Pk	28.9	-39	.7	32.83	-	-	74	-41.17	0	100	V
1.726	30.03	Ca	28.9	-39	.7	20.63	54	-33.37	-	-	0	100	V
2.915	40.89	Pk	32.5	-37.5	1	36.89	-	-	74	-37.11	0	100	H
2.915	28.72	Ca	32.5	-37.5	1	24.72	54	-29.28	-	-	0	100	H
2.908	40.59	Pk	32.5	-37.5	1	36.59	-	-	74	-37.41	0	100	V
2.908	28.62	Ca	32.5	-37.5	1	24.62	54	-29.38	-	-	0	100	V
6.447	39.63	Pk	35.3	-30.9	.8	44.83	-	-	74	-29.17	0	100	H
6.447	27.5	Ca	35.3	-30.9	.8	32.7	54	-21.3	-	-	0	100	H
6.489	39.53	Pk	35.3	-31	.7	44.53	-	-	74	-29.47	0	100	V
6.489	27.43	Ca	35.3	-31	.7	32.43	54	-21.57	-	-	0	100	V

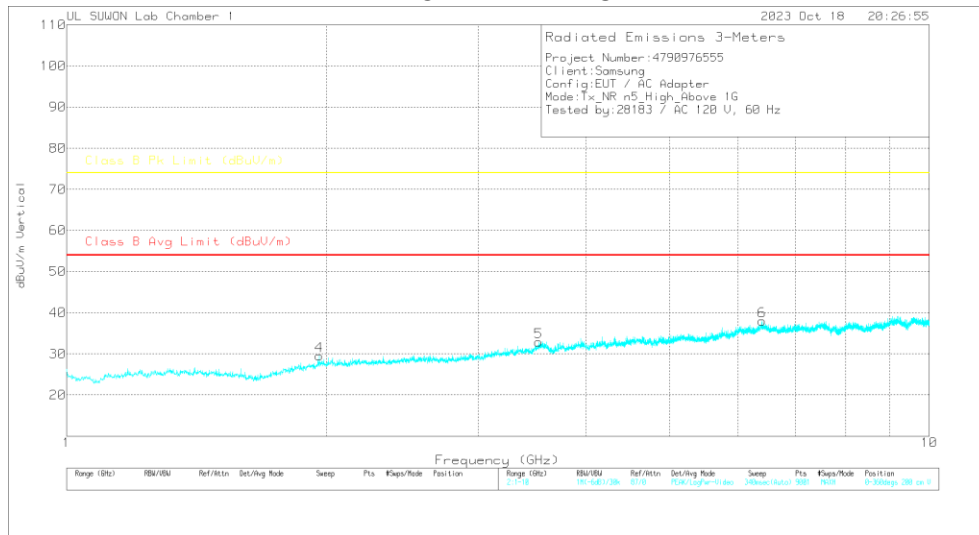
Pk - Peak detector  
 Ca - CISPR average detection

**HIGH CHANNEL(889.0 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

**Radiated Emissions**

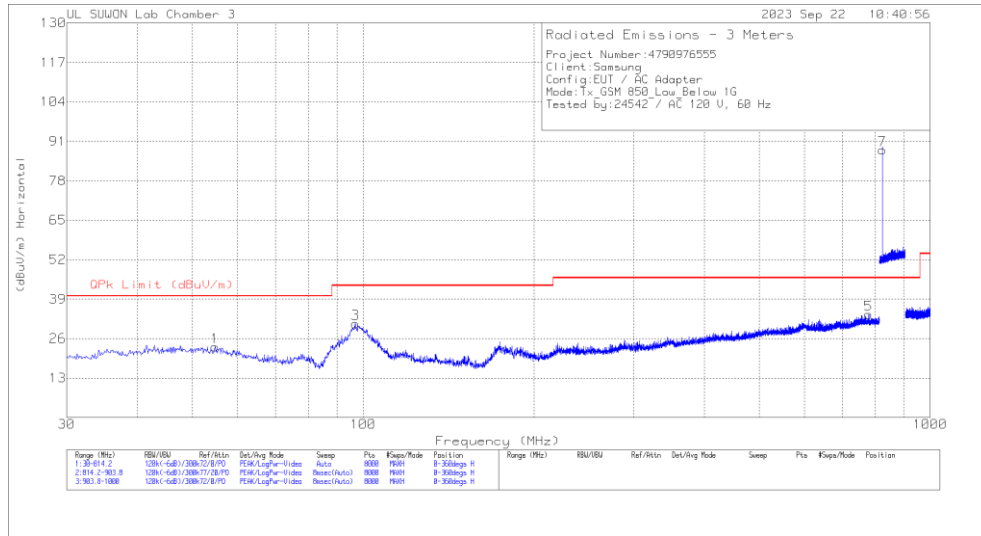
Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor [dB(1/m)]	Path Loss[dB]	1G HPF Loss[dB]	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CISPR)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.973	42.05	Pk	31.2	-38.5	.9	35.65	-	-	74	-38.35	0	100	H
1.973	29.86	Ca	31.2	-38.5	.9	23.46	54	-30.54	-	-	0	100	H
1.963	41.44	Pk	31.2	-38.5	.9	35.04	-	-	74	-38.96	0	100	V
1.963	29.89	Ca	31.2	-38.5	.9	23.49	54	-30.51	-	-	0	100	V
3.5	39.91	Pk	33.3	-35.6	.8	38.41	-	-	74	-35.59	0	100	H
3.5	28.63	Ca	33.3	-35.6	.8	27.13	54	-26.87	-	-	0	100	H
3.527	41.15	Pk	33.3	-35.4	.9	39.95	-	-	74	-34.05	0	100	V
3.527	28.5	Ca	33.3	-35.4	.9	27.3	54	-26.7	-	-	0	100	V
6.395	39.67	Pk	35.3	-31	.8	44.77	-	-	74	-29.23	0	100	H
6.395	27.36	Ca	35.3	-31	.8	32.46	54	-21.54	-	-	0	100	H
6.398	39.02	Pk	35.3	-30.9	.8	44.22	-	-	74	-29.78	0	100	V
6.398	27.35	Ca	35.3	-30.9	.8	32.55	54	-21.45	-	-	0	100	V

Pk - Peak detector  
 Ca - CISPR average detection

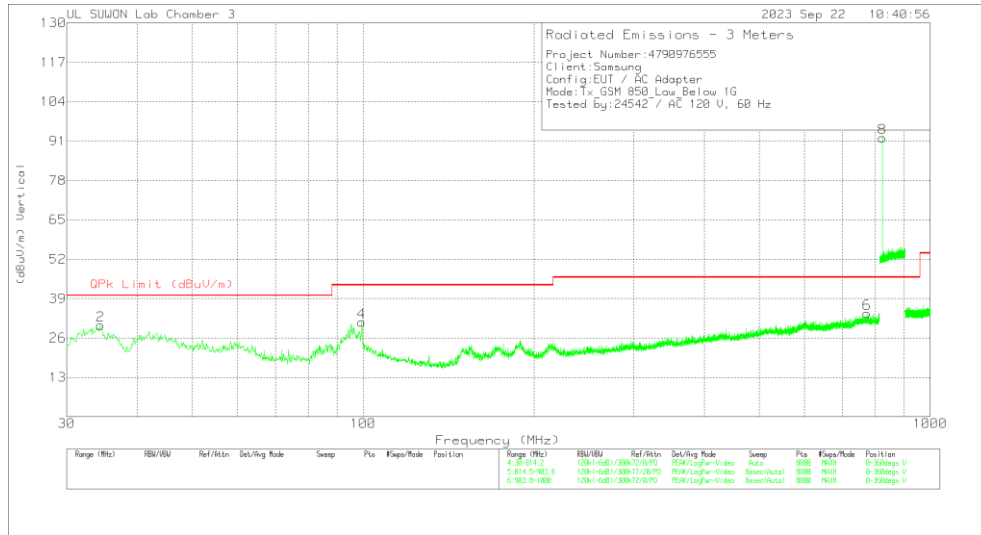
### 7.1.7. Below 1 GHz in the GSM850

#### LOW CHANNEL(869.2 MHz)

#### HORIZONTAL PEAK PLOT



#### VERTICAL PEAK PLOT



#### DATA

##### Trace Markers

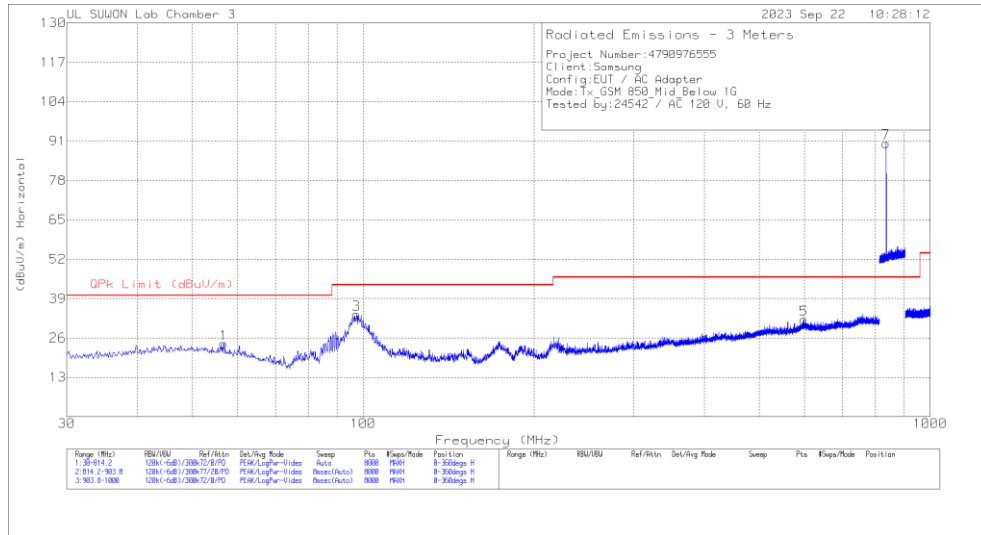
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor [dB(1/m)]	Path Loss(dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	54.8034	2.63	Pk	19.3	1.4	23.33	40	-16.67	0-360	100	H
3	96.8612	12.29	Pk	17	1.7	30.99	43.52	-12.53	0-360	200	H
5	778.6105	4.13	Pk	25.9	4	34.03	46.02	-11.99	0-360	100	H
7	824.2473	57.95	Pk	26.1	4.1	88.15	46.02	42.13	0-360	100	H
2	34.4117	12.61	Pk	16.5	1.1	30.21	40	-9.79	0-360	100	V
4	99.4102	12.38	Pk	17.2	1.7	31.28	43.52	-12.24	0-360	100	V
6	773.5616	4.3	Pk	25.9	4	34.2	46.02	-11.82	0-360	200	V
8	824.235	61.96	Pk	26.1	4.1	92.16	46.02	46.14	0-360	200	V

Pk - Peak detector

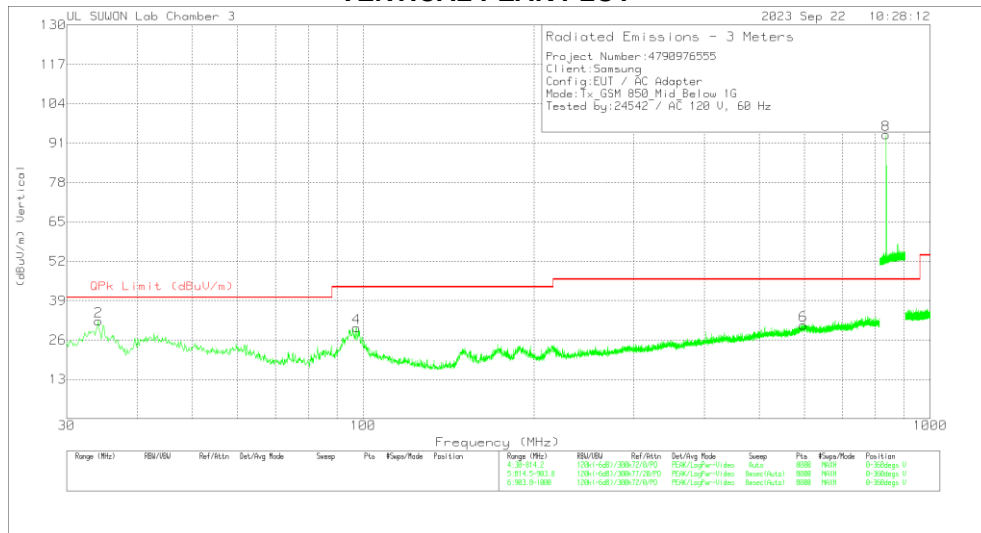
Note: Unwanted emissions captured from 824MHz to 849MHz and from 869MHz to 894MHz were the TX and RX signals generated from the call-simulator.

**MID CHANNEL(881.6 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

**Trace Markers**

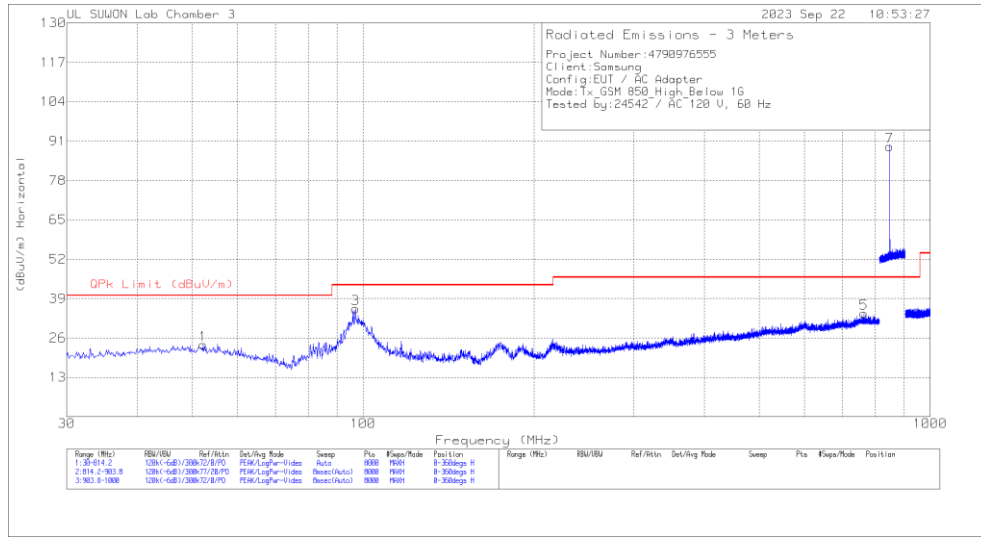
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor [dB(1/m)]	Path Loss(dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	56.7641	3.79	Pk	19	1.4	24.19	40	-15.81	0-360	300	H
3	97.3514	15.08	Pk	17	1.7	33.78	43.52	-9.74	0-360	200	H
5	598.3205	4.18	Pk	24.3	3.6	32.08	46.02	-13.94	0-360	100	H
7	836.6132	59.9	Pk	26.3	4.1	90.3	46.02	44.28	0-360	100	H
2	34.1176	14.8	Pk	16.3	1.1	32.2	40	-7.8	0-360	200	V
4	97.2534	11.42	Pk	17	1.7	30.12	43.52	-13.4	0-360	200	V
6	597.7323	3.08	Pk	24.3	3.6	30.98	46.02	-15.04	0-360	400	V
8	836.6159	63.38	Pk	26.3	4.1	93.78	46.02	47.76	0-360	100	V

Pk - Peak detector

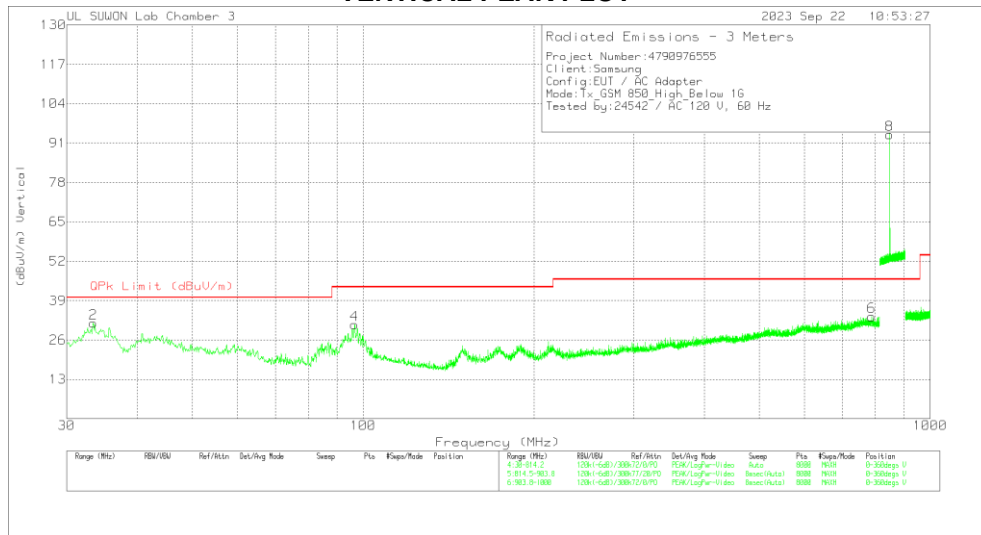
Note: Unwanted emissions captured from 824MHz to 849MHz and from 869MHz to 894MHz were the TX and RX signals generated from the call-simulator.

**HIGH CHANNEL(893.8 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor [dB(1/m)]	Path Loss(dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	52.1564	2.85	Pk	19.7	1.3	23.85	40	-16.15	0-360	100	H
3	96.8612	16.88	Pk	17	1.7	35.58	43.52	-7.94	0-360	200	H
5	764.8854	4.17	Pk	25.9	4	34.07	46.02	-11.95	0-360	200	H
7	848.8447	58.34	Pk	26.6	4.2	89.14	46.02	43.12	0-360	100	H
2	33.4313	14.36	Pk	16.1	1.1	31.56	40	-8.44	0-360	200	V
4	96.5671	12.34	Pk	17	1.7	31.04	43.52	-12.48	0-360	200	V
6	788.2182	3.81	Pk	25.9	4	33.71	46.02	-12.31	0-360	300	V
8	848.8405	63	Pk	26.6	4.2	93.8	46.02	47.78	0-360	300	V

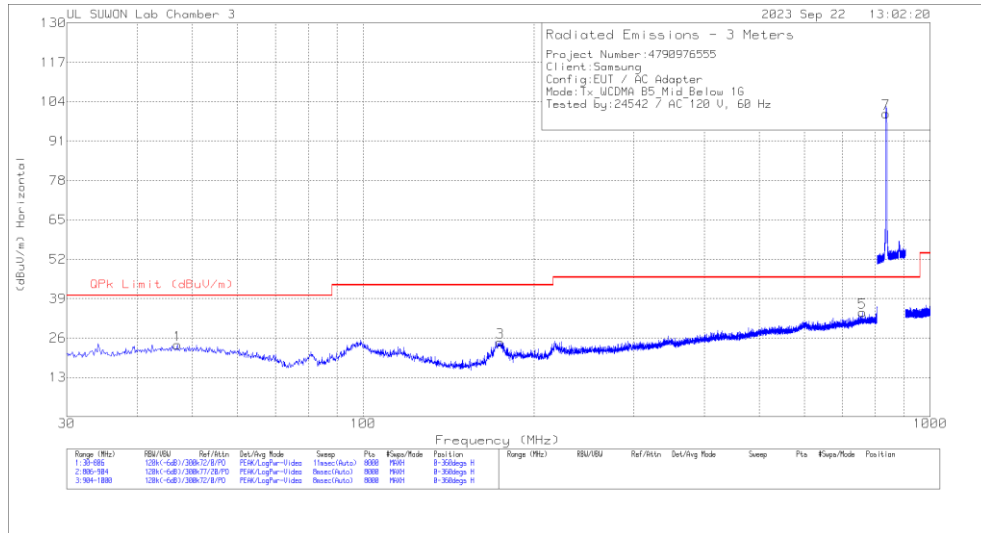
Pk - Peak detector

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

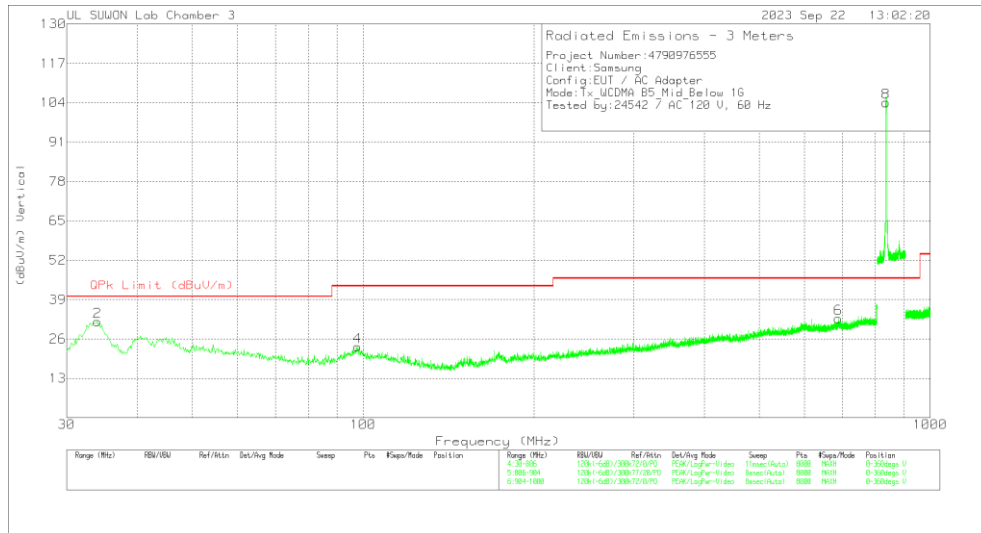
### 7.1.8. Below 1 GHz in the WCDMA Band 5

#### MID CHANNEL(881.6 MHz)

#### HORIZONTAL PEAK PLOT



#### VERTICAL PEAK PLOT



#### DATA

##### Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor [dB(1/m)]	Path Loss(dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	47.0741	2.73	Pk	19.7	1.3	23.73	40	-16.27	0-360	100	H
3	174.5479	7.79	Pk	14.6	2.2	24.59	43.52	-18.93	0-360	100	H
5	759.2392	4.58	Pk	25.9	4	34.48	46.02	-11.54	0-360	200	H
7	836.6545	69.73	Pk	26.3	4.1	100.13	46.02	54.11	0-360	200	H
2	33.9775	14.29	Pk	16.3	1.1	31.69	40	-8.31	0-360	100	V
4	97.7144	4.6	Pk	17.1	1.7	23.4	43.52	-20.12	0-360	100	V
6	688.9055	4.2	Pk	24.7	3.8	32.7	46.02	-13.32	0-360	300	V
8	836.6668	73.64	Pk	26.3	4.1	104.04	46.02	58.02	0-360	300	V

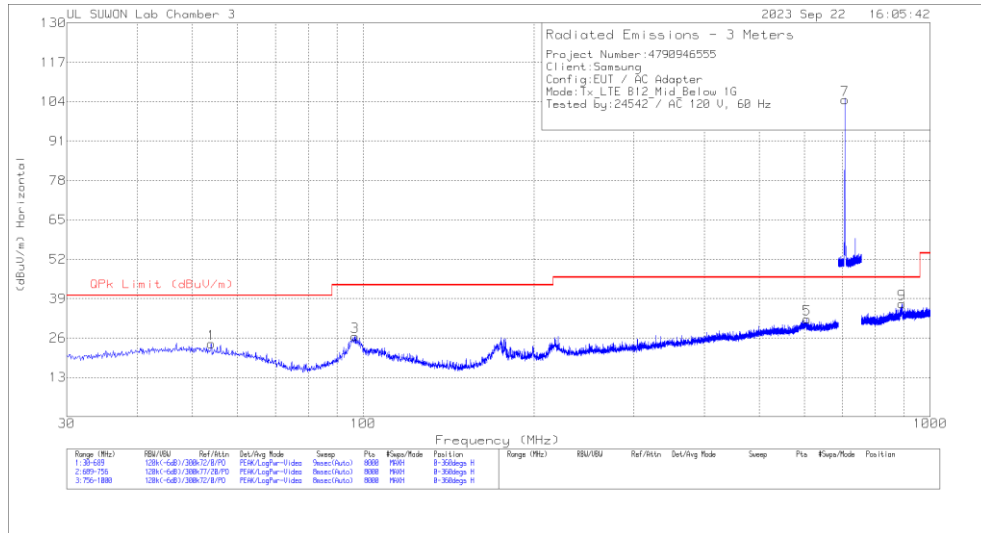
Pk - Peak detector

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

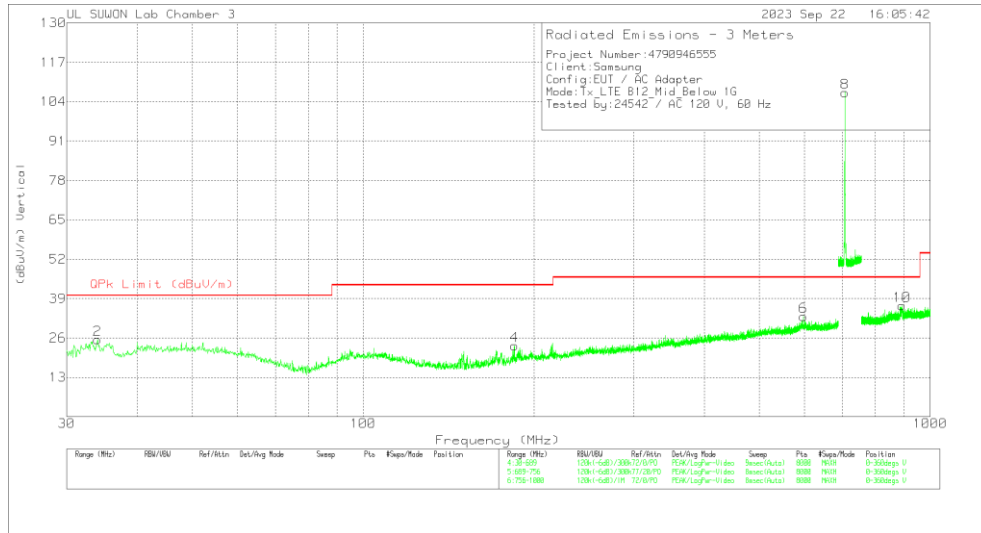
### 7.1.9. Below 1 GHz in the LTE Band 12

#### LOW CHANNEL(731.5 MHz)

#### HORIZONTAL PEAK PLOT



#### VERTICAL PEAK PLOT



#### DATA

##### Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor [dB(1/m)]	Path Loss(dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	53.974	3.4	Pk	19.4	1.3	24.1	40	-15.9	0-360	200	H
3	96.6495	7.77	PK	17	1.7	26.47	43.52	-17.05	0-360	100	H
5	606.2007	4.23	PK	24.4	3.6	32.23	46.02	-13.79	0-360	300	H
7	707.5193	76.1	PK	24.7	3.8	104.6	46.02	58.58	0-360	200	H
9	891.9563	5.93	PK	27.1	4.3	37.33	46.02	-8.69	0-360	200	H
2	33.9545	8.01	PK	16.3	1.1	25.41	40	-14.59	0-360	200	V
4	184.8014	5.76	PK	15.5	2.2	23.46	43.52	-20.06	0-360	200	V
6	597.5503	5.23	PK	24.3	3.6	33.13	46.02	-12.89	0-360	200	V
8	707.5193	78.51	PK	24.7	3.8	107.01	46.02	60.99	0-360	100	V
10	891.8038	5.33	PK	27.1	4.3	36.73	46.02	-9.29	0-360	400	V

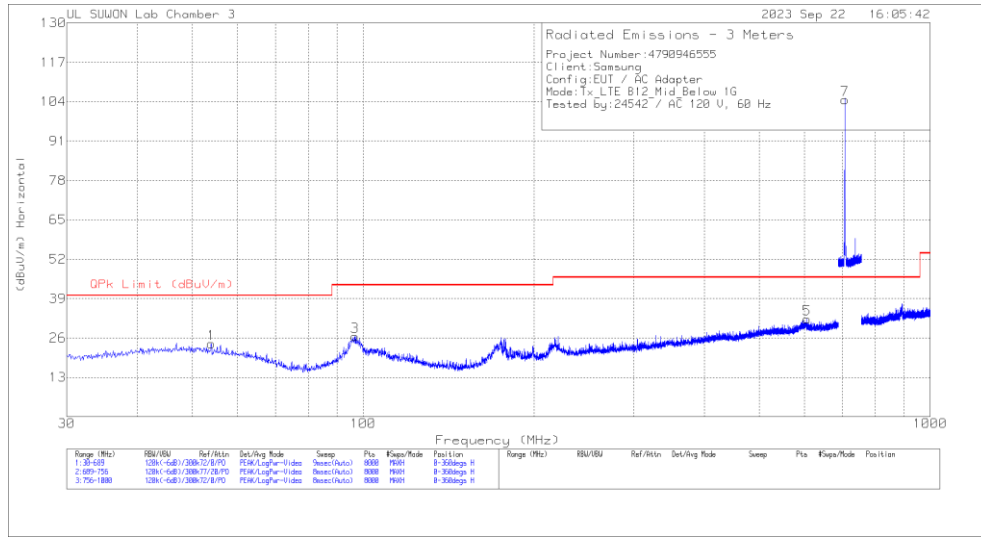
Pk - Peak detector

Note: Unwanted emissions captured from 699MHz to 716MHz and from 729MHz to 746MHz were the TX and RX signals generated from the call-simulator.

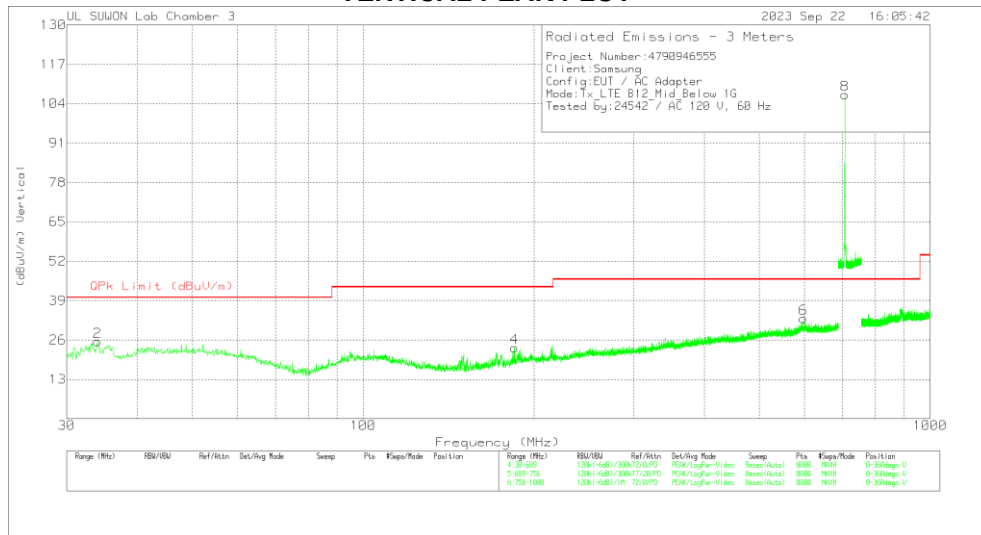


**MID CHANNEL(737.5 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

**Trace Markers**

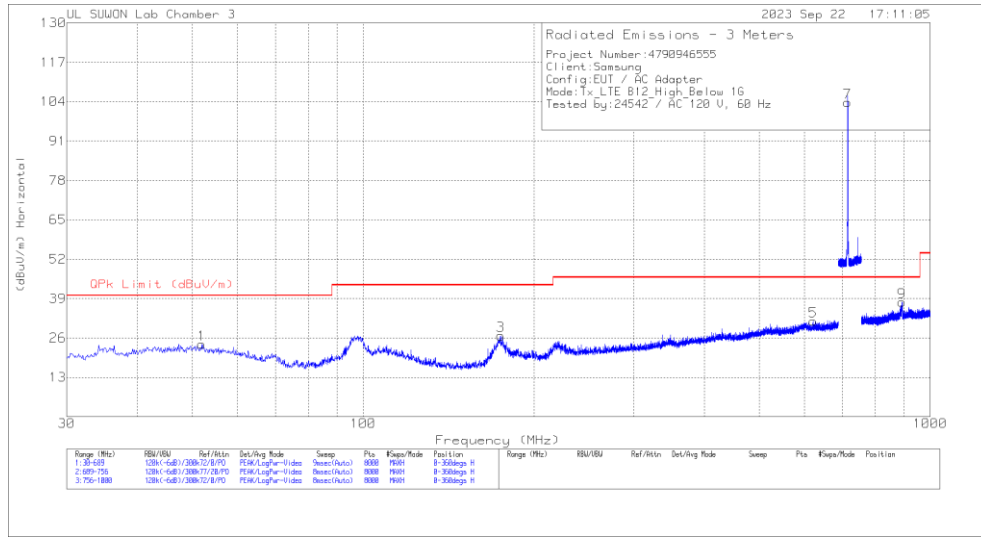
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor (dB(1/m))	Path Loss(dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	53.974	3.4	Pk	19.4	1.3	24.1	40	-15.9	0-360	200	H
3	96.6495	7.77	Pk	17	1.7	26.47	43.52	-17.05	0-360	100	H
5	606.2007	4.23	Pk	24.4	3.6	32.23	46.02	-13.79	0-360	300	H
7	707.5193	76.1	PK	24.7	3.8	104.6	46.02	58.58	0-360	200	H
2	33.9545	8.01	PK	16.3	1.1	25.41	40	-14.59	0-360	200	V
4	184.8014	5.76	PK	15.5	2.2	23.46	43.52	-20.06	0-360	200	V
6	597.5503	5.23	PK	24.3	3.6	33.13	46.02	-12.89	0-360	200	V
8	707.5193	78.51	PK	24.7	3.8	107.01	46.02	60.99	0-360	100	V

Pk - Peak detector

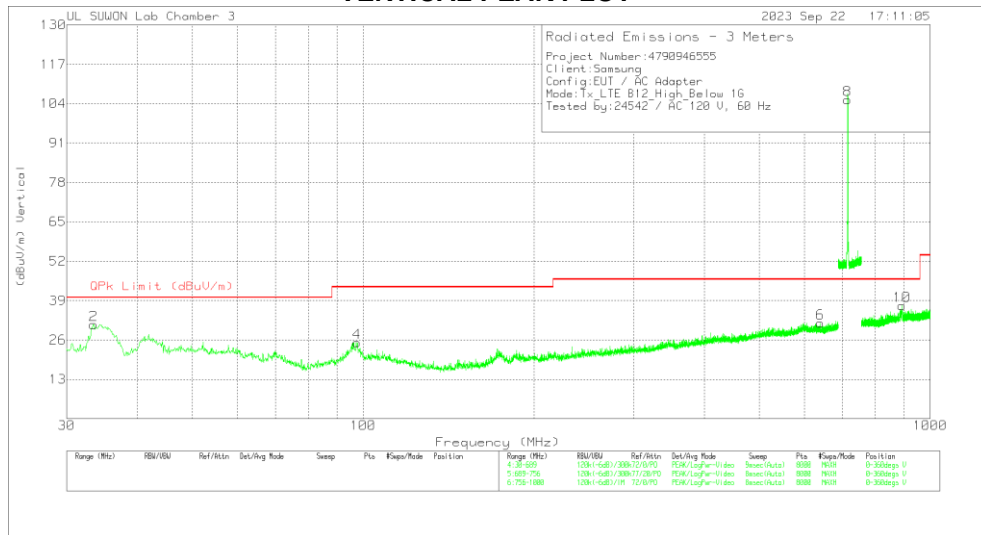
Note: Unwanted emissions captured from 699MHz to 716MHz and from 729MHz to 746MHz were the TX and RX signals generated from the call-simulator.

**HIGH CHANNEL(743.5 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor [dB(1/m)]	Path Loss(dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	51.9144	3.03	Pk	19.7	1.3	24.03	40	-15.97	0-360	200	H
3	174.6681	9.96	Pk	14.6	2.2	26.76	43.52	-16.76	0-360	100	H
5	622.3482	3.69	Pk	24.3	3.6	31.59	46.02	-14.43	0-360	100	H
7	715.3425	75.15	Pk	24.7	3.9	103.75	46.02	57.73	0-360	200	H
9	891.4073	6.48	Pk	27.1	4.3	37.88	46.02	-8.14	0-360	300	H
2	33.4602	13.94	Pk	16.1	1.1	31.14	40	-8.86	0-360	200	V
4	97.6381	6.32	Pk	17.1	1.7	25.12	43.52	-18.4	0-360	200	V
6	639.7314	3.57	Pk	24.3	3.7	31.57	46.02	-14.45	0-360	400	V
8	715.3258	76.77	Pk	24.7	3.9	105.37	46.02	59.35	0-360	100	V
10	892.0173	6.01	Pk	27.1	4.3	37.41	46.02	-8.61	0-360	300	V

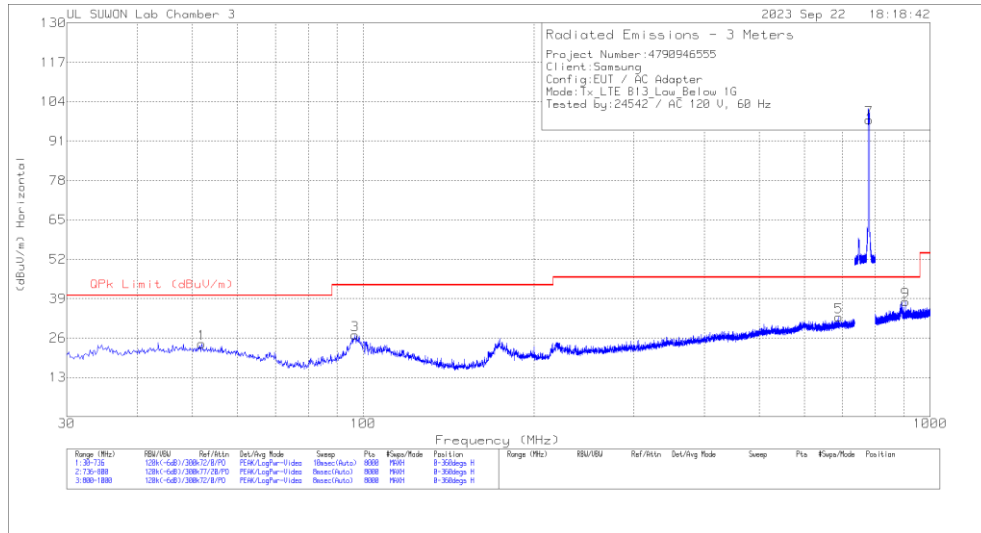
Pk - Peak detector

Note: Unwanted emissions captured from 699MHz to 716MHz and from 729MHz to 746MHz were the TX and RX signals generated from the call-simulator.

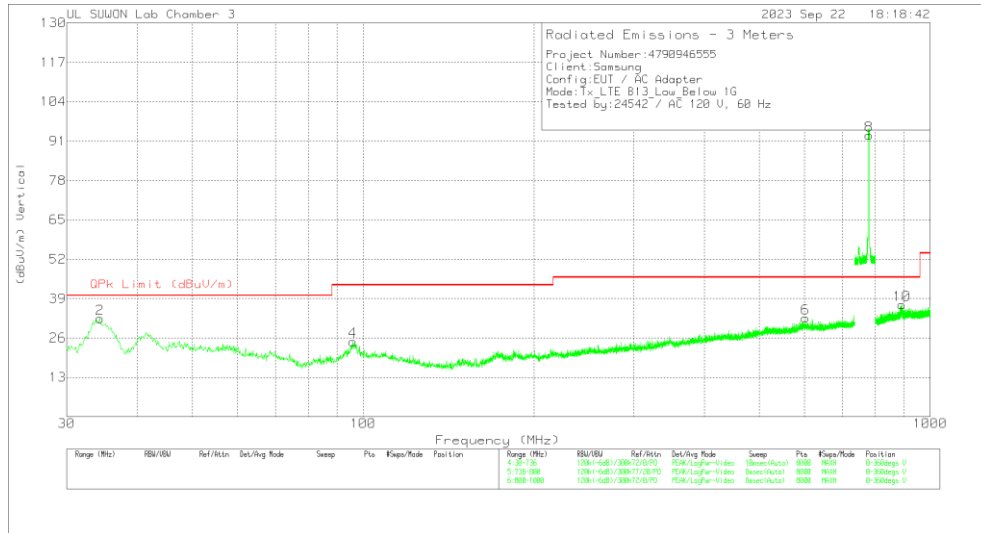
### 7.1.10. Below 1 GHz in the LTE Band 13

#### LOW CHANNEL(748.5 MHz)

#### HORIZONTAL PEAK PLOT



#### VERTICAL PEAK PLOT



#### DATA

#### Trace Markers

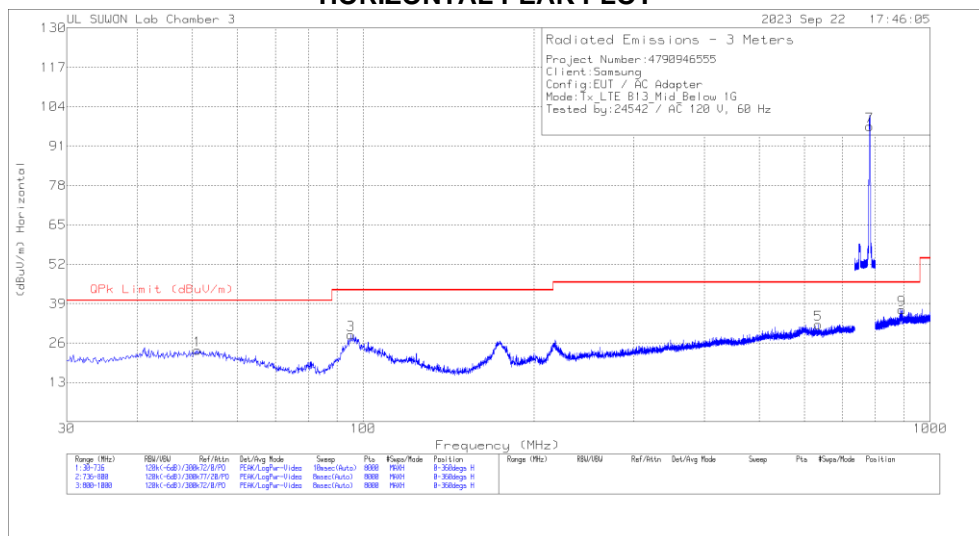
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor [dB(1/m)]	Path Loss(dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	51.8887	3.18	Pk	19.7	1.3	24.18	40	-15.82	0-360	200	H
3	96.7253	8.27	Pk	17	1.7	26.97	43.52	-16.55	0-360	200	H
5	689.9275	4.49	Pk	24.7	3.8	32.99	46.02	-13.03	0-360	100	H
7	779.5574	68.06	Pk	25.9	4	97.96	46.02	51.94	0-360	200	H
9	905.5877	6.35	Pk	27.3	4.3	37.95	46.02	-8.07	0-360	100	H
2	34.3248	14.93	Pk	16.4	1.1	32.43	40	-7.57	0-360	200	V
4	95.8427	6.19	Pk	17	1.7	24.89	43.52	-18.63	0-360	200	V
6	602.2843	4.71	Pk	24.3	3.6	32.61	46.02	-13.41	0-360	200	V
8	779.5574	63.22	Pk	25.7	4	92.92	46.02	46.9	0-360	100	V
10	891.911	5.58	Pk	27.1	4.3	36.98	46.02	-9.04	0-360	300	V

Pk - Peak detector

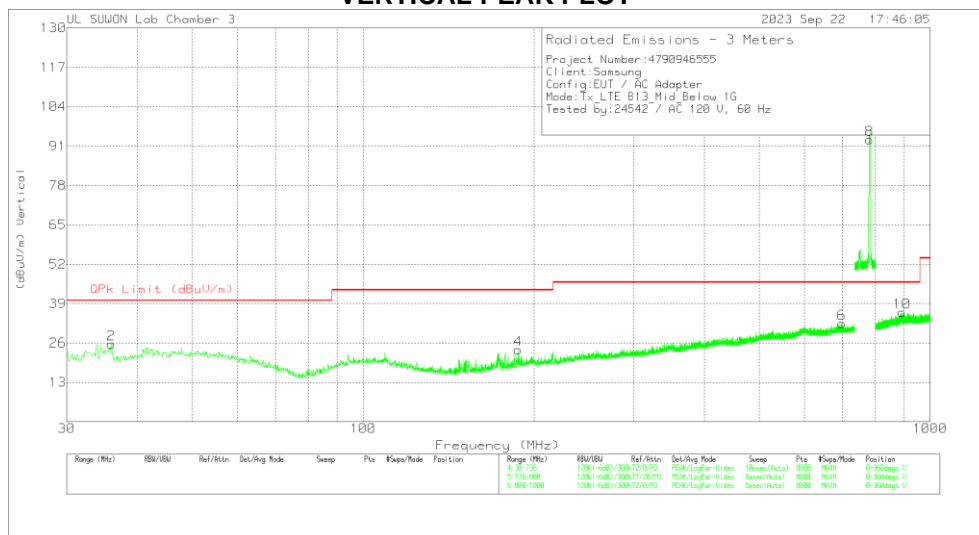
Note: Unwanted emissions captured from 777MHz to 787MHz and from 746MHz to 756MHz were the TX and RX signals generated from the call-simulator.

**MID CHANNEL(751.0 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

**Trace Markers**

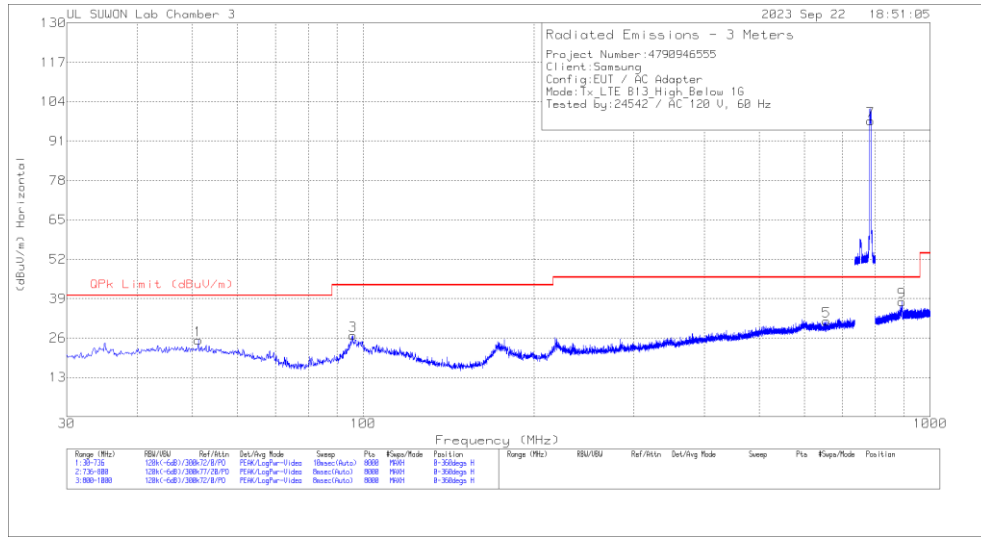
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor (dB(1/m))	Path Loss(dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	51.0061	2.68	Pk	19.7	1.3	23.68	40	-16.32	0-360	100	H
3	95.1366	10.14	Pk	16.9	1.7	28.74	43.52	-14.78	0-360	100	H
5	635.0292	4.05	Pk	24.3	3.7	32.05	46.02	-13.97	0-360	100	H
7	782.0298	67.67	Pk	25.9	4	97.57	46.02	51.55	0-360	200	H
9	891.361	5.67	Pk	27.1	4.3	37.07	46.02	-8.95	0-360	100	H
2	35.9576	7.33	Pk	17.1	1.2	25.63	40	-14.37	0-360	200	V
4	187.8107	5.8	Pk	15.8	2.2	23.8	43.52	-19.72	0-360	200	V
6	698.224	3.87	Pk	24.7	3.8	32.37	46.02	-13.65	0-360	400	V
8	782.0298	63.48	Pk	25.7	4	93.18	46.02	47.16	0-360	100	V
10	891.811	4.78	Pk	27.1	4.3	36.18	46.02	-9.84	0-360	400	V

Pk - Peak detector

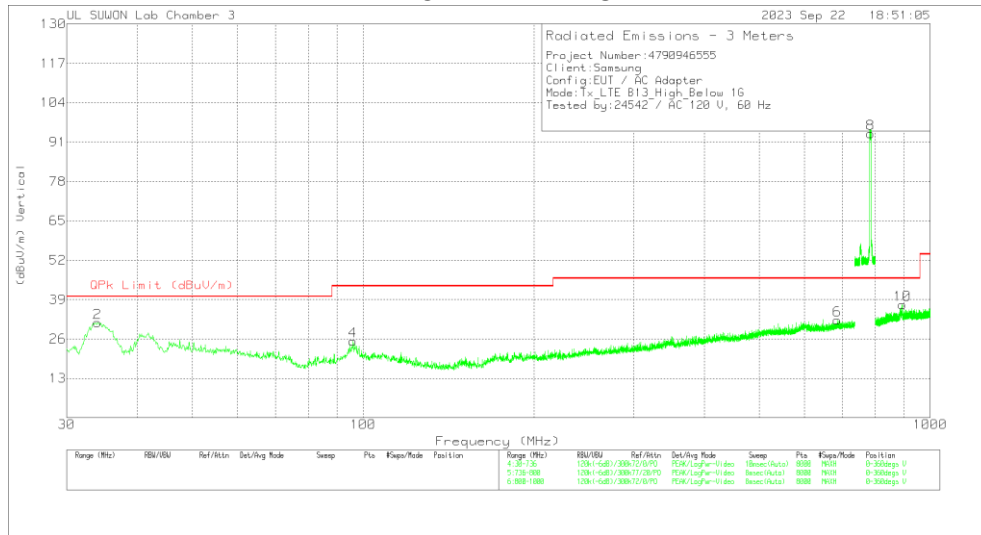
Note: Unwanted emissions captured from 777MHz to 787MHz and from 746MHz to 756MHz were the TX and RX signals generated from the call-simulator.

**HIGH CHANNEL(753.5 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor (dB(1/m))	Path Loss(dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	51.1826	4.38	Pk	19.7	1.3	25.38	40	-14.62	0-360	300	H
3	95.8427	8.09	Pk	17	1.7	26.79	43.52	-16.73	0-360	200	H
5	656.2118	3.57	Pk	24.3	3.7	31.57	46.02	-14.45	0-360	300	H
7	784.5421	67.72	PK	25.9	4	97.62	46.02	51.6	0-360	200	H
9	892.1611	6.6	Pk	27.1	4.3	38	46.02	-8.02	0-360	100	H
2	33.9717	14.05	PK	16.3	1.1	31.45	40	-8.55	0-360	200	V
4	96.0192	6.56	Pk	17	1.7	25.26	43.52	-18.26	0-360	200	V
6	685.5144	3.94	Pk	24.6	3.8	32.34	46.02	-13.68	0-360	400	V
8	784.5501	63.98	PK	25.8	4	93.78	46.02	47.76	0-360	100	V
10	892.6861	5.93	Pk	27.1	4.3	37.33	46.02	-8.69	0-360	200	V

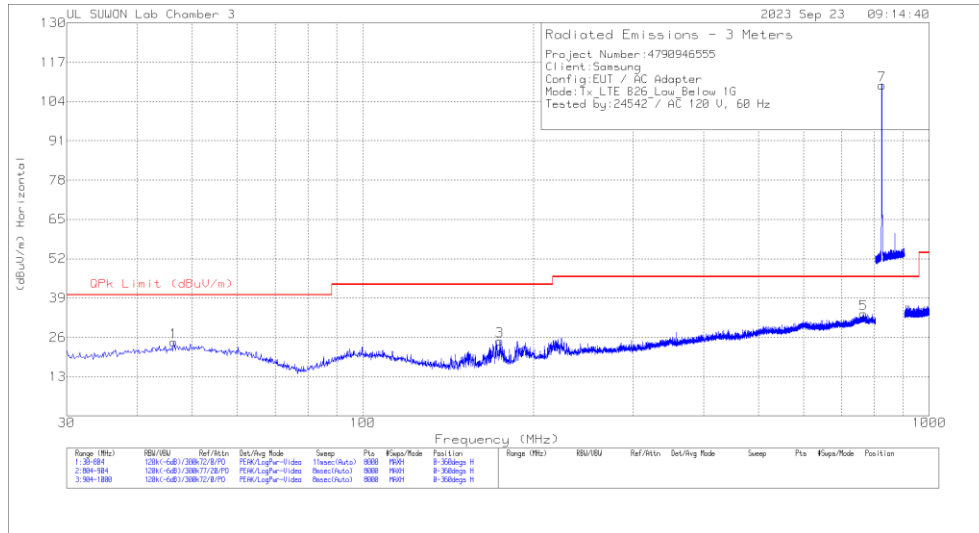
Pk - Peak detector

Note: Unwanted emissions captured from 777MHz to 787MHz and from 746MHz to 756MHz were the TX and RX signals generated from the call-simulator.

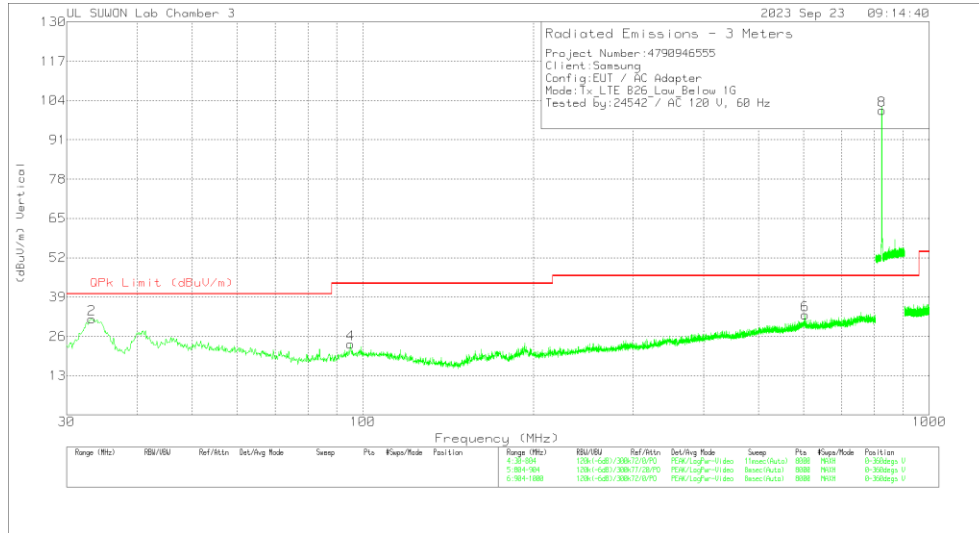
### 7.1.11. Below 1 GHz in the LTE Band 26

#### LOW CHANNEL(861.5 MHz)

#### HORIZONTAL PEAK PLOT



#### VERTICAL PEAK PLOT



#### DATA

##### Trace Markers

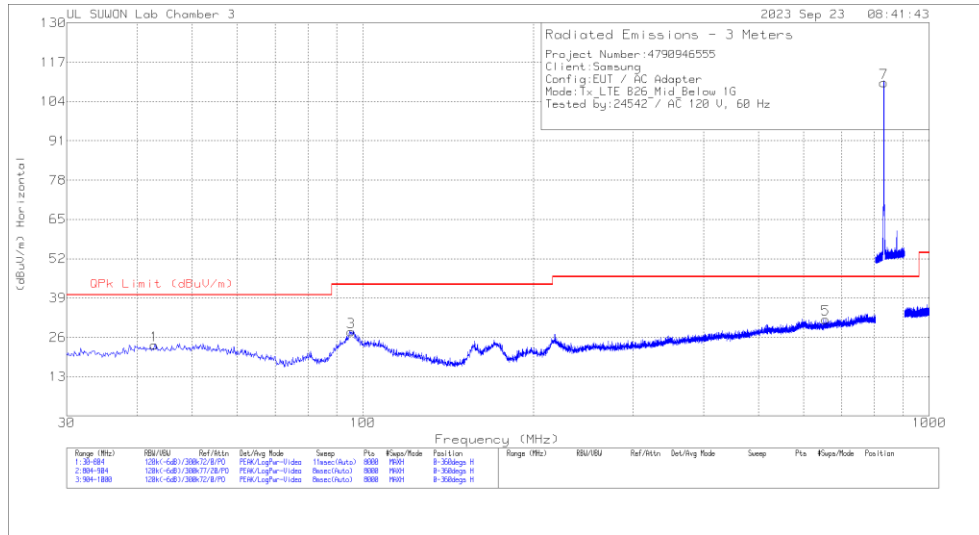
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor [dB(1/m)]	Path Loss(dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	46.3528	3.53	Pk	19.7	1.3	24.53	40	-15.47	0-360	100	H
3	174.5624	8.02	Pk	14.6	2.2	24.82	43.52	-18.7	0-360	100	H
5	765.1977	3.93	Pk	25.9	4	33.83	46.02	-12.19	0-360	100	H
7	824.7283	79.14	Pk	26.1	4.1	109.34	46.02	63.32	0-360	200	H
2	33.1931	14.72	Pk	16	1.1	31.82	40	-8.18	0-360	200	V
4	95.1208	4.84	Pk	16.9	1.7	23.44	43.52	-20.08	0-360	200	V
6	604.1857	5.1	Pk	24.4	3.6	33.1	46.02	-12.92	0-360	200	V
8	824.7283	70.56	Pk	26.1	4.1	100.76	46.02	54.74	0-360	100	V

Pk - Peak detector

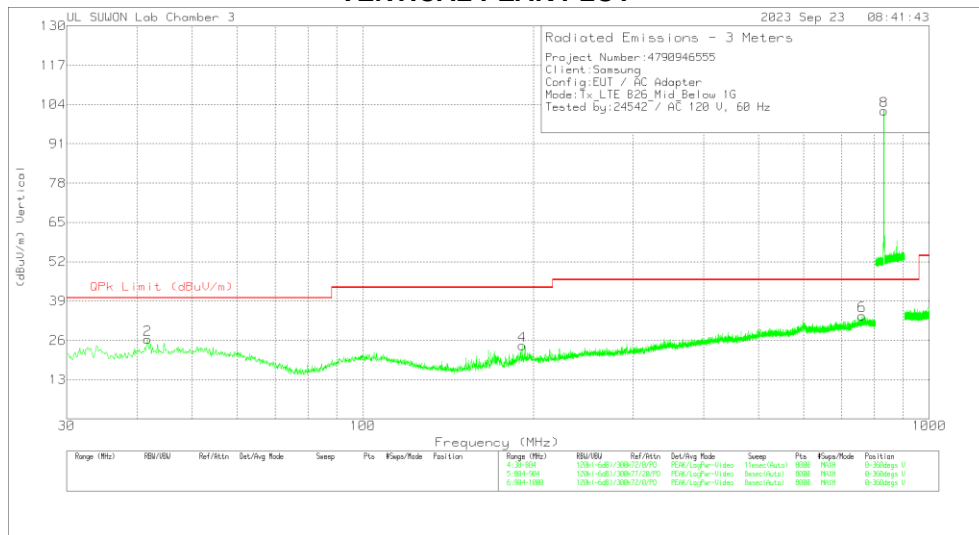
Note: Unwanted emissions captured from 814MHz to 849MHz and from 859MHz to 894MHz were the TX and RX signals generated from the call-simulator.

**MID CHANNEL(876.5 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

**Trace Markers**

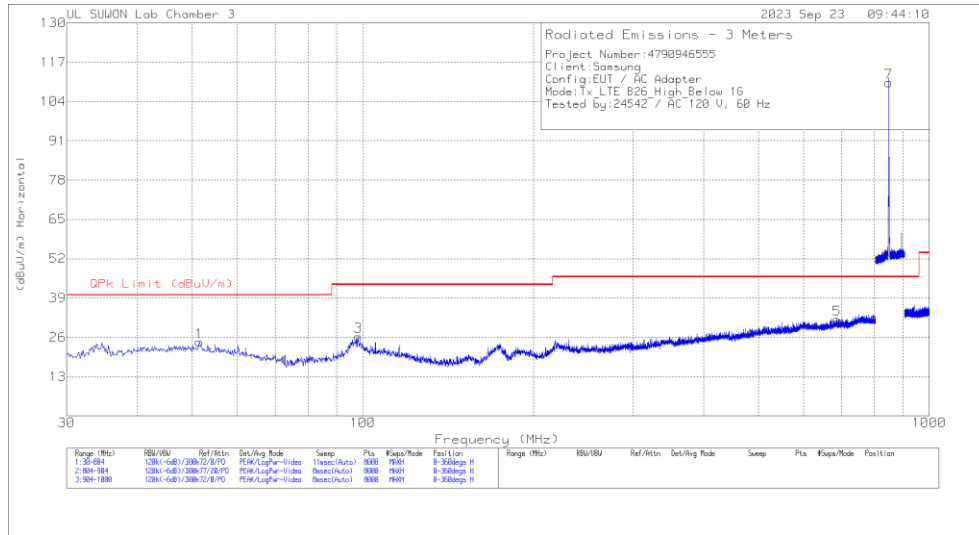
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor (dB(1/m))	Path Loss(dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	42.8693	2.81	Pk	19.4	1.2	23.41	40	-16.59	0-360	300	H
3	95.3144	9.26	Pk	16.9	1.7	27.86	43.52	-15.66	0-360	200	H
5	656.534	4.01	Pk	24.3	3.7	32.01	46.02	-14.01	0-360	200	H
7	831.5669	79.86	Pk	26.2	4.1	110.16	46.02	64.14	0-360	200	H
2	41.7082	6.13	Pk	19	1.2	26.33	40	-13.67	0-360	200	V
4	191.1087	5.87	Pk	16.2	2.3	24.37	43.52	-19.15	0-360	200	V
6	761.3272	4.31	Pk	25.9	4	34.21	46.02	-11.81	0-360	200	V
8	831.5919	71.64	Pk	26.2	4.1	101.94	46.02	55.92	0-360	100	V

Pk - Peak detector

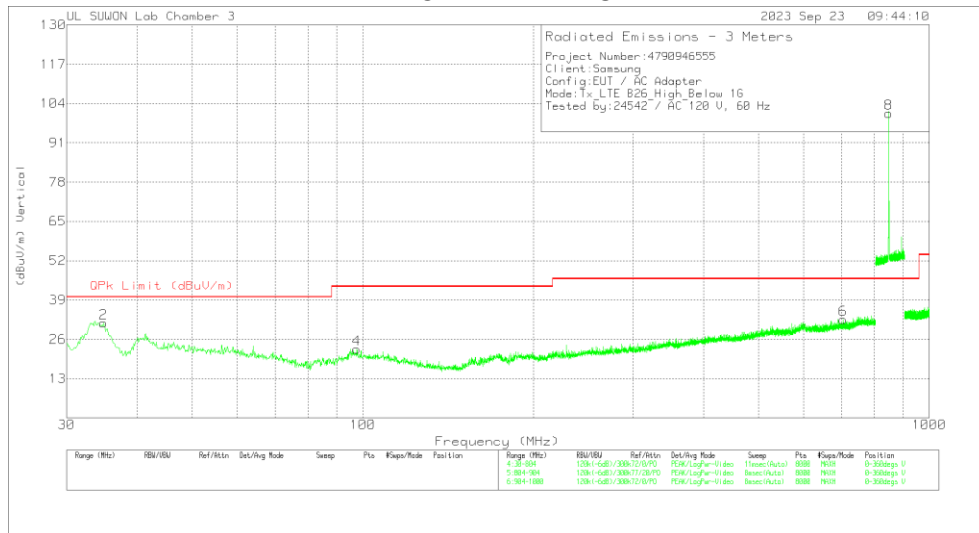
Note: Unwanted emissions captured from 814MHz to 849MHz and from 859MHz to 894MHz were the TX and RX signals generated from the call-simulator.

**HIGH CHANNEL(891.5 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor [dB(1/m)]	Path Loss(dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	51.4812	3.47	Pk	19.7	1.3	24.47	40	-15.53	0-360	100	H
3	98.1204	7.45	Pk	17.1	1.7	26.25	43.52	-17.27	0-360	200	H
5	687.1107	3.52	Pk	24.6	3.8	31.92	46.02	-14.1	0-360	200	H
7	848.3321	79.48	Pk	26.5	4.2	110.18	46.02	64.16	0-360	200	H
2	34.8381	13.59	Pk	16.6	1.2	31.39	40	-8.61	0-360	200	V
4	97.6366	4.02	Pk	17.1	1.7	22.82	43.52	-20.7	0-360	200	V
6	705.0117	4.1	Pk	24.7	3.8	32.6	46.02	-13.42	0-360	400	V
8	848.3321	70	Pk	26.5	4.2	100.7	46.02	54.68	0-360	100	V

Pk - Peak detector

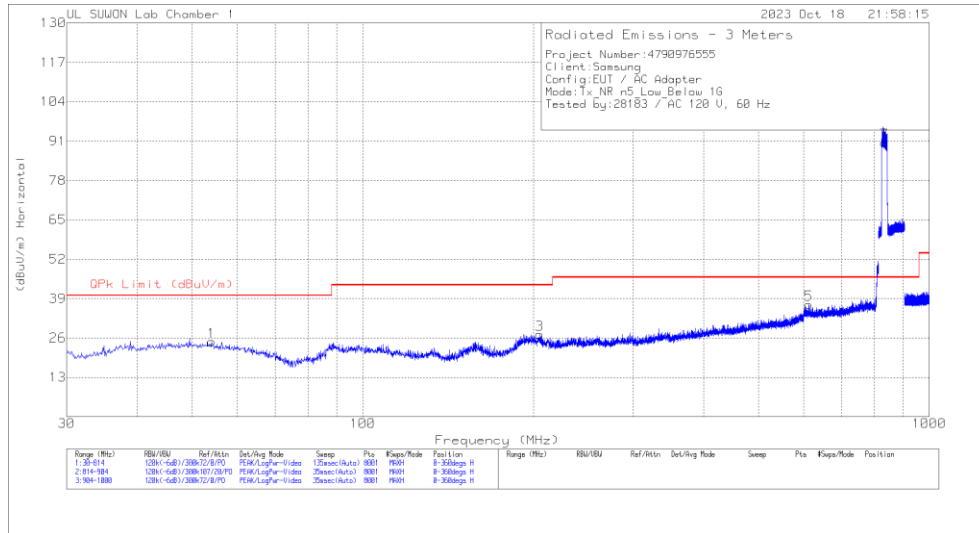
Note: Unwanted emissions captured from 814MHz to 849MHz and from 859MHz to 894MHz were the TX and RX signals generated from the call-simulator.



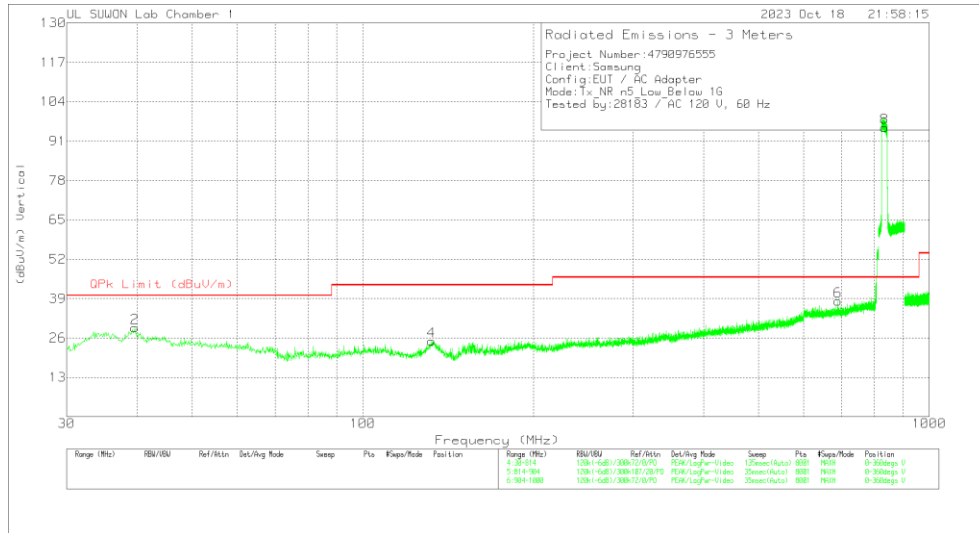
### 7.1.12. Below 1 GHz in the 5G NR Band n5

#### LOW CHANNEL(874.0 MHz)

#### HORIZONTAL PEAK PLOT



#### VERTICAL PEAK PLOT



#### DATA

##### Trace Markers

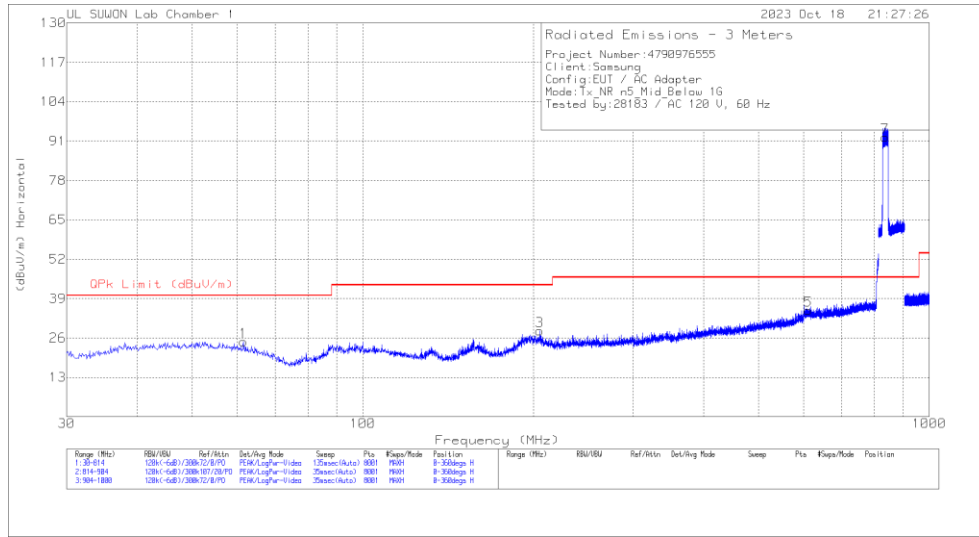
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor [dB(1/m)]	Path Loss(dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	54.108	3.87	Pk	19.3	1.6	24.77	40	-15.23	0-360	300	H
3	205.028	8.01	Pk	16.2	3	27.21	43.52	-16.31	0-360	100	H
5	613.198	7.59	Pk	24.3	5.2	37.09	46.02	-8.93	0-360	100	H
7	834.0138	58.1	Pk	26.3	6.1	90.5	46.02	44.48	0-360	200	H
2	39.604	9.73	Pk	18.3	1.3	29.33	40	-10.67	0-360	200	V
4	132.312	8.44	Pk	14.1	2.4	24.94	43.52	-18.58	0-360	200	V
6	689.932	8.15	Pk	24.6	5.5	38.25	46.02	-7.77	0-360	400	V
8	834.025	63.12	Pk	26.3	6.1	95.52	46.02	49.5	0-360	100	V

Pk - Peak detector

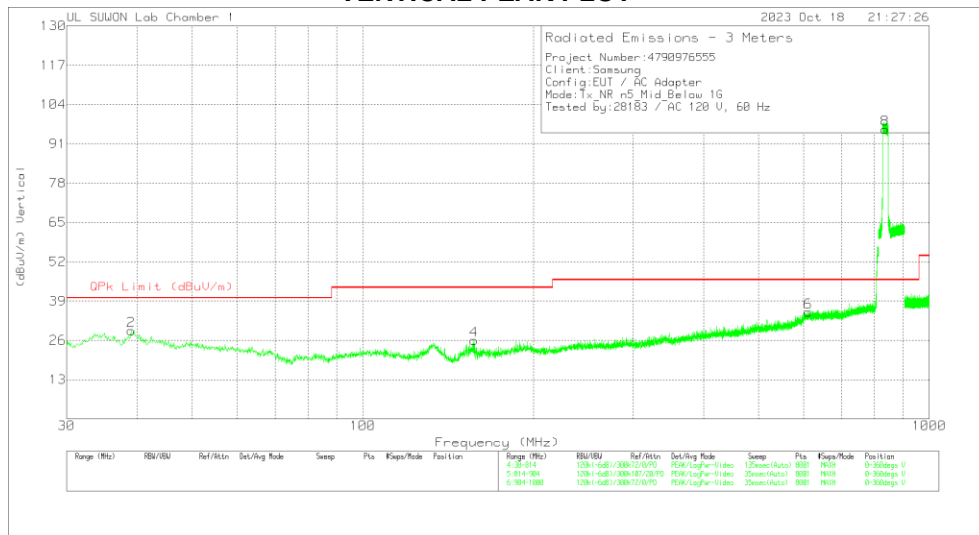
Note: Unwanted emissions captured from 814MHz to 849MHz and from 859MHz to 894MHz were the TX and RX signals generated from the call-simulator.

**MID CHANNEL(881.5 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

**Trace Markers**

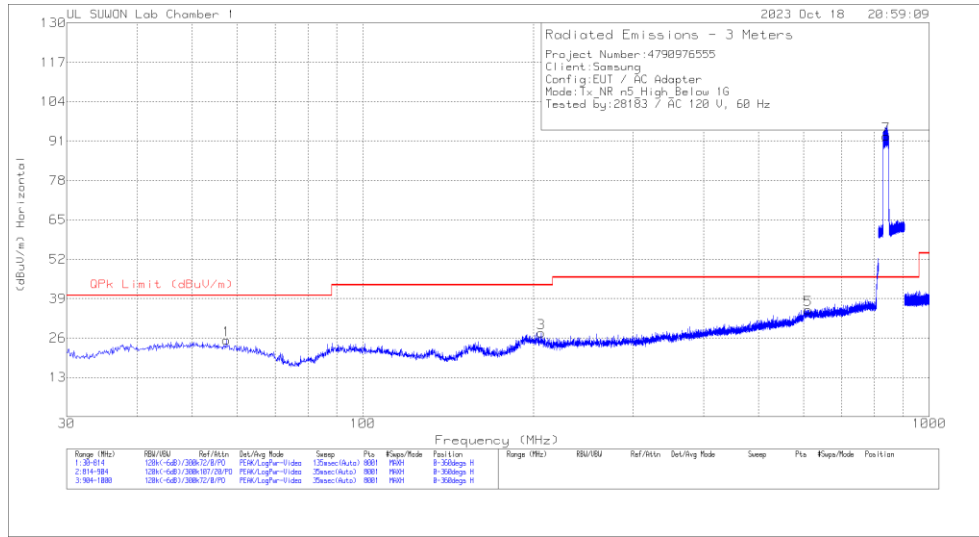
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor [dB(1/m)]	Path Loss(dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	61.556	5.22	Pk	17.9	1.7	24.82	40	-15.18	0-360	100	H
3	205.126	9.19	Pk	16.2	3	28.39	43.52	-15.13	0-360	100	H
5	611.042	5.61	Pk	24.4	5.2	35.21	46.02	-10.81	0-360	100	H
7	836.5	59.81	Pk	26.3	6.1	92.21	46.02	46.19	0-360	200	H
2	39.016	9.64	Pk	18.2	1.3	29.14	40	-10.86	0-360	200	V
4	157.302	9.19	Pk	14.1	2.7	25.99	43.52	-17.53	0-360	200	V
6	611.434	5.79	Pk	24.4	5.2	35.39	46.02	-10.63	0-360	200	V
8	836.5	63.38	Pk	26.3	6.1	95.78	46.02	49.76	0-360	100	V

Pk - Peak detector

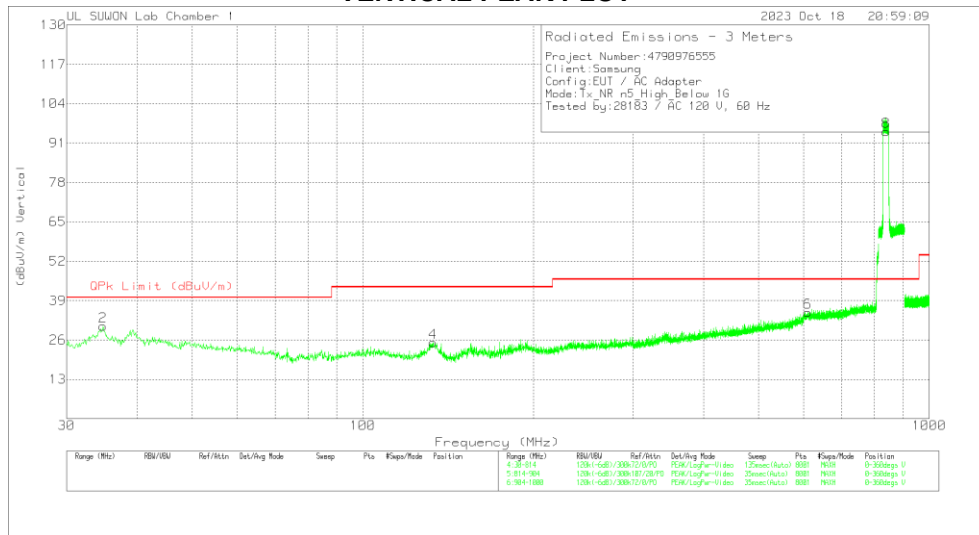
Note: Unwanted emissions captured from 814MHz to 849MHz and from 859MHz to 894MHz were the TX and RX signals generated from the call-simulator.

**HIGH CHANNEL(889.0 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor [dB(1/m)]	Path Loss(dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	57.44	4.96	Pk	18.8	1.6	25.36	40	-14.64	0-360	100	H
3	206.498	8.44	Pk	16.2	3	27.64	43.52	-15.88	0-360	100	H
5	611.336	5.74	Pk	24.4	5.2	35.34	46.02	-10.68	0-360	200	H
7	839.0425	60.14	Pk	26.4	6.1	92.64	46.02	46.62	0-360	200	H
2	34.802	12.99	Pk	16.4	1.2	30.59	40	-9.41	0-360	200	V
4	133.096	8.64	Pk	14.1	2.4	25.14	43.52	-18.38	0-360	200	V
6	610.65	5.62	Pk	24.4	5.2	35.22	46.02	-10.8	0-360	300	V
8	839.0313	62.28	Pk	26.4	6.1	94.78	46.02	48.76	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.

## 7.2. 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  $\mu$ 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 $\mu$ 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

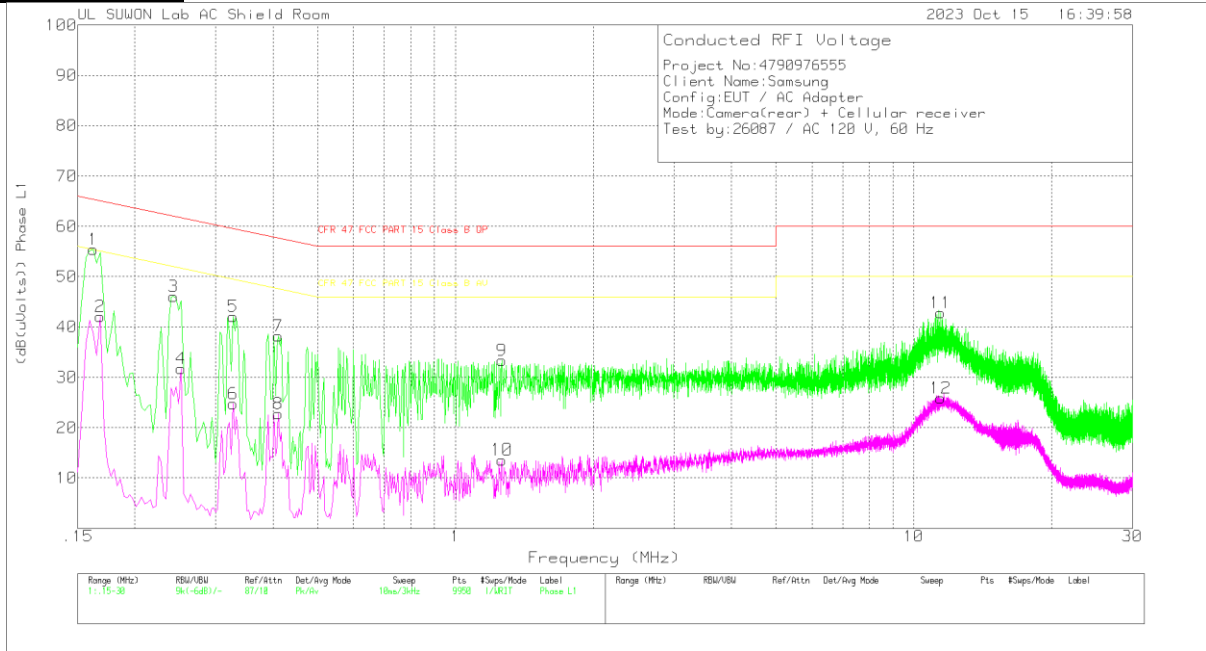
Notes:  
1. The lower limit shall apply at the transition frequencies  
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

## 7.2.1 CONDUCTED EMISSIONS

### 6 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_AU TO_With EX_L1[dB]	CABLELOS S[dB]	Corrected Reading (dB(uVolts))	CFR 47 FCC PART 15 Class B QP dB(uVolts)	Margin (dB)	CFR 47 FCC PART 15 Class B AV dB(uVolts)	Margin (dB)
1	.162	45.76	Pk	9.5	.1	55.36	65.36	-10	-	-
2	.168	32.46	Av	9.5	.1	42.06	-	-	55.06	-13
3	.243	36.39	Pk	9.5	.2	46.09	61.99	-15.9	-	-
4	.252	22.05	Av	9.5	.2	31.75	-	-	51.69	-19.94
5	.327	32.35	Pk	9.5	.2	42.05	59.53	-17.48	-	-
6	.327	15.11	Av	9.5	.2	24.81	-	-	49.53	-24.72
7	.411	28.53	Pk	9.5	.2	38.23	57.63	-19.4	-	-
8	.411	13.12	Av	9.5	.2	22.82	-	-	47.63	-24.81
9	1.263	23.4	Pk	9.6	.3	33.3	56	-22.7	-	-
10	1.263	3.7	Av	9.6	.3	13.6	-	-	46	-32.4
11	11.46	32.92	Pk	9.6	.3	42.82	60	-17.18	-	-
12	11.457	15.98	Av	9.6	.3	25.88	-	-	50	-24.12

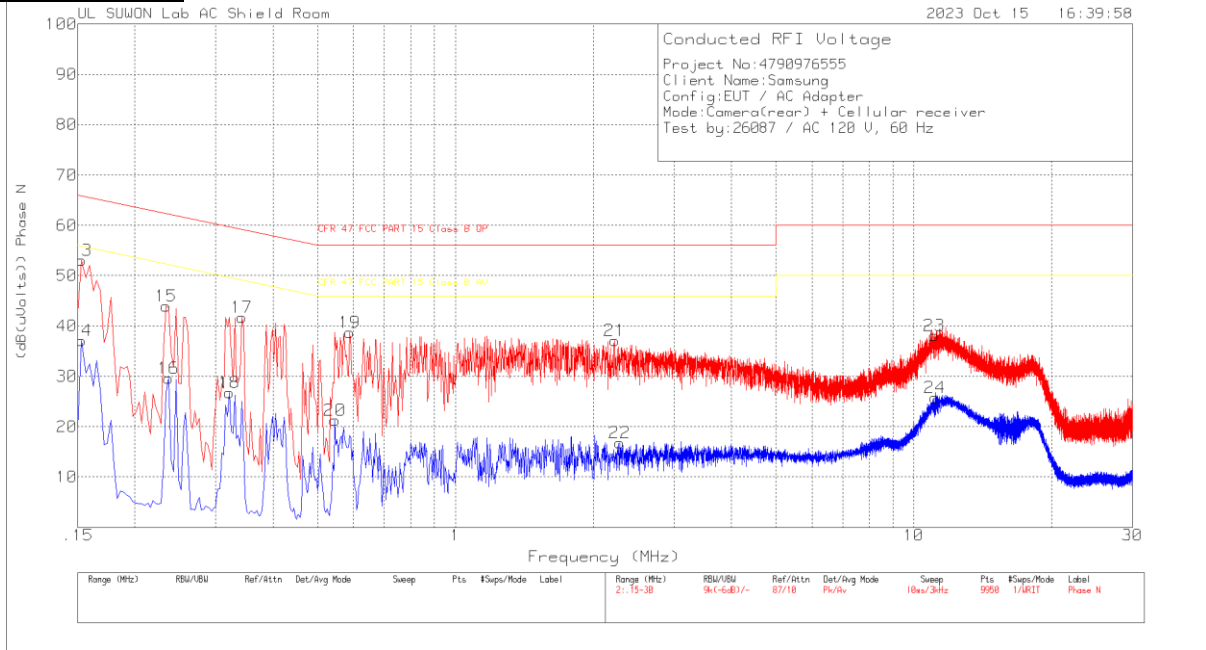
Pk - Peak detector

Av - Average detection

**6 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_AU TO_With EX_L1[dB]	CABLELOS S[dB]	Corrected Reading (dB(uVolts))	CFR 47 FCC PART 15 Class B QP dB(uVolts)	Margin (dB)	CFR 47 FCC PART 15 Class B AV dB(uVolts)	Margin (dB)
13	.153	43.42	Pk	9.5	.1	53.02	65.84	-12.82	-	-
14	.153	27.53	Av	9.5	.1	37.13	-	-	55.84	-18.71
15	.234	34.2	Pk	9.5	.2	43.9	62.31	-18.41	-	-
16	.237	19.94	Av	9.5	.2	29.64	-	-	52.2	-22.56
17	.342	32.05	Pk	9.5	.2	41.75	59.15	-17.4	-	-
18	.321	17.09	Av	9.5	.2	26.79	-	-	49.68	-22.89
19	.588	28.95	Pk	9.6	.2	38.75	56	-17.25	-	-
20	.546	11.45	Av	9.6	.2	21.25	-	-	46	-24.75
21	2.229	27.19	Pk	9.6	.3	37.09	56	-18.91	-	-
22	2.286	6.85	Av	9.6	.3	16.75	-	-	46	-29.25
23	11.106	28.16	Pk	9.6	.3	38.06	60	-21.94	-	-
24	11.112	15.83	Av	9.6	.3	25.73	-	-	50	-24.27

Pk - Peak detector  
 Av - Average detection

**END OF TEST REPORT**