

CERTIFICATION TEST REPORT

Report Number. : 4790748041-E1V2

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

Model : SM-F946U, SM-F946U1

FCC ID : A3LSMF946U

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:
2023-05-22

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Revision History

Rev.	Issue Date	Revisions	Revised By
V1	2023-05-12	Initial issue	Yeonhee Lim
V2	2023-05-22	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, WPT and UWB.

MODEL NUMBER: SM-F946U, SM-F946U1

SERIAL NUMBER: R3CW20P0BMZ, R3CW20P0AZT (RADIATED)

DATE TESTED: 2023-04-06 ~ 2023-04-12;

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 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	2.80 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, WPT and UWB.

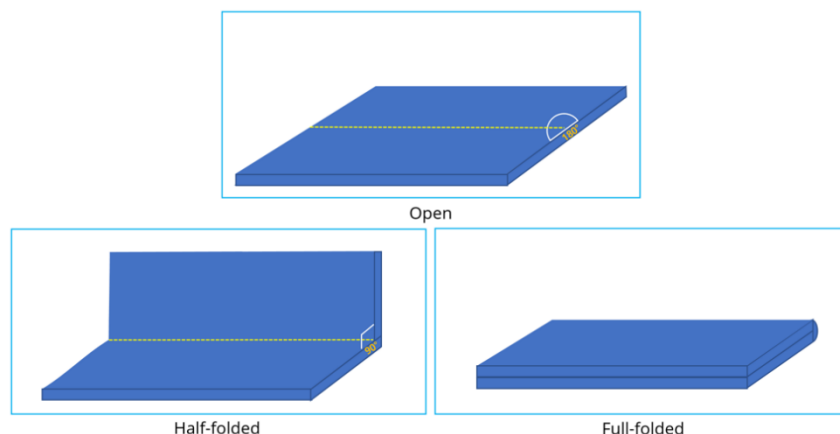
Representative model	Difference	Derivative model
		SM-F946U1
SM-F946U	Hardware	Same as SM-F946U
	Software	Different UI

5.2. TEST MODE

Mode	Description
GSM850	Communicating with Call simulator(CMW500)
WCDMA BAND 5	
LTE BAND 71	
LTE BAND 5	
LTE BAND 12	
LTE BAND 13	
LTE BAND 14	
LTE BAND 26	
5G NR n71	Communicating with Call simulator(E7515B)
5G NR n5	
5G NR n12	
5G NR n26	

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.



i. Worst Axis Condition

Band	Worst Case		
	X	Y	Z
GSM 850	Open	-	-
WCDMA B5	Open	-	-
LTE B71	Open	-	-
LTE B5	Open	-	-
LTE B12	Open	-	-
LTE B13	Open	-	-
LTE B14	Open	-	-
LTE B26	Open	-	-
5G NR n71	Open	-	-
5G NR n5	Open	-	-
5G NR n12	Open	-	-
5G NR n26	Open	-	-

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.

5.4. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacture	Model	Serial Number	FCC ID
Charger	SAMSUNG	EP-TA800	R37N9QP4SL9DK3	N/A
Data Cable	SAMSUNG	WBR0062M	GH39-02112A	N/A

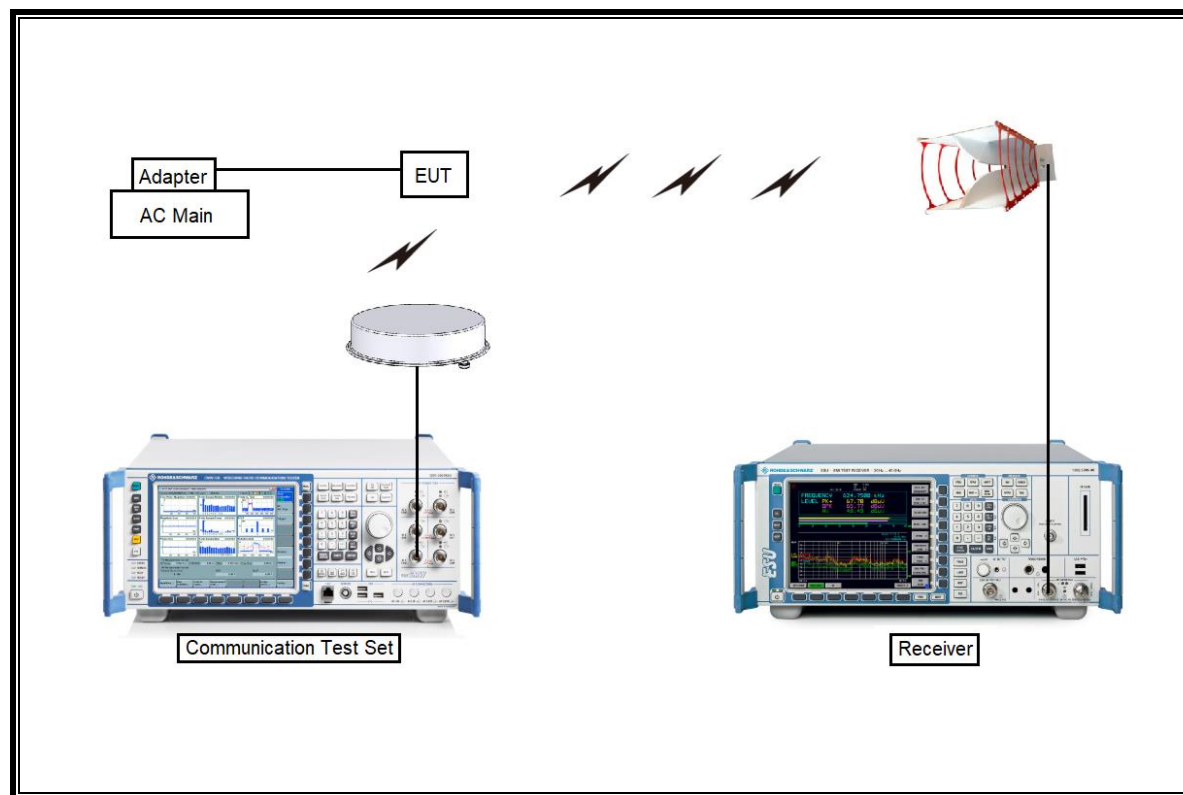
I/O CABLE

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, Horn, 40 GHz	ETS	3116C	00166155	2024-08-02
Antenna, Horn, 40 GHz	ETS	3116C	00168645	2023-10-13
Preamplifier	ETS	3115-PA	00167475	2023-08-04
Preamplifier	ETS	3116C-PA	00168841	2023-08-04
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	169796	2024-01-05
UXM 5G Wireless Test Platform	KEYSIGHT	E7515B	MY58010202	2024-01-27
Preamplifier, 1000 MHz	Sonoma	310N	341282	2023-08-02
Preamplifier, 1000 MHz	Sonoma	310N	351741	2023-08-02
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	2029169	2023-08-01
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	1896138	2023-08-01
EMI Test Receive, 40 GHz	R&S	ESU40	100439	2023-08-02
EMI Test Receive, 40 GHz	R&S	ESU40	100457	2023-07-29
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	2023-08-01
High Pass Filter 1.2GHz	Micro-Tronics	HPM50108-02	G006	2023-08-01
High Pass Filter 2.8GHz	Micro-Tronics	HPM50111-02	010	2023-08-01
High Pass Filter 2.8GHz	Micro-Tronics	HPM50111-02	011	2023-08-01
High Pass Filter 4GHz	Micro-Tronics	HPM50118-02	G001	2023-08-01
High Pass Filter 4GHz	Micro-Tronics	HPM50118-02	G002	2023-08-01
Attenuator	PASTERNAK	PE7087-10	A009	2023-08-03
Attenuator	PASTERNAK	PE7087-10	A001	2023-08-03
Attenuator	PASTERNAK	PE7087-10	A008	2023-08-03
Attenuator	PASTERNAK	PE7004-10	2	2023-08-01
Attenuator	PASTERNAK	PE7395-10	A011	2023-08-03
EMI Test Receive, 3 GHz	R&S	ESR3	101832	2023-08-01
LISN	R&S	ENV-216	101836	2023-08-04
LISN	R&S	ENV-216	101837	2023-08-04
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

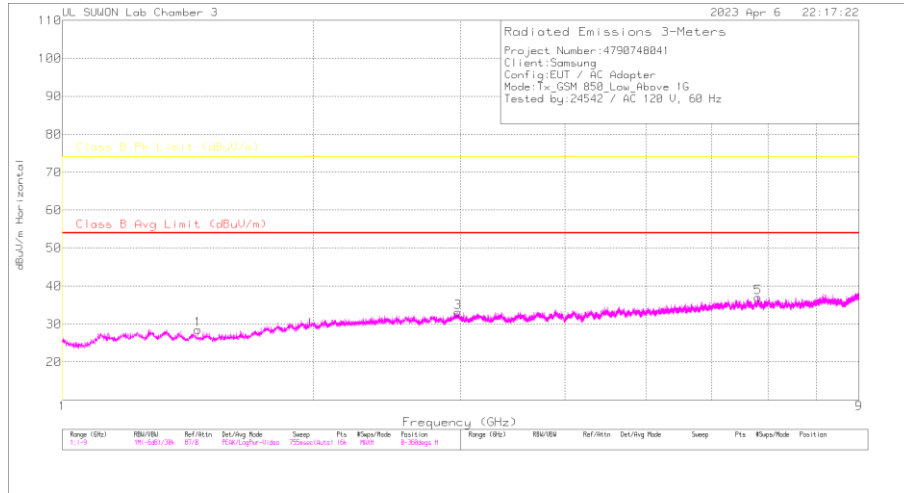
§15.109 (a) Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

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.	

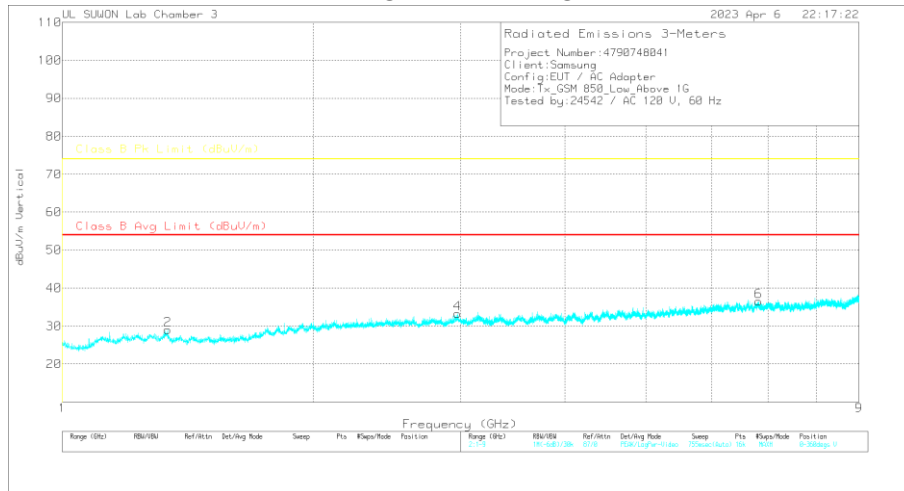
7.1.1. Above 1 GHz in the GSM850

LOW CHANNEL(869.2 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Radiated Emissions

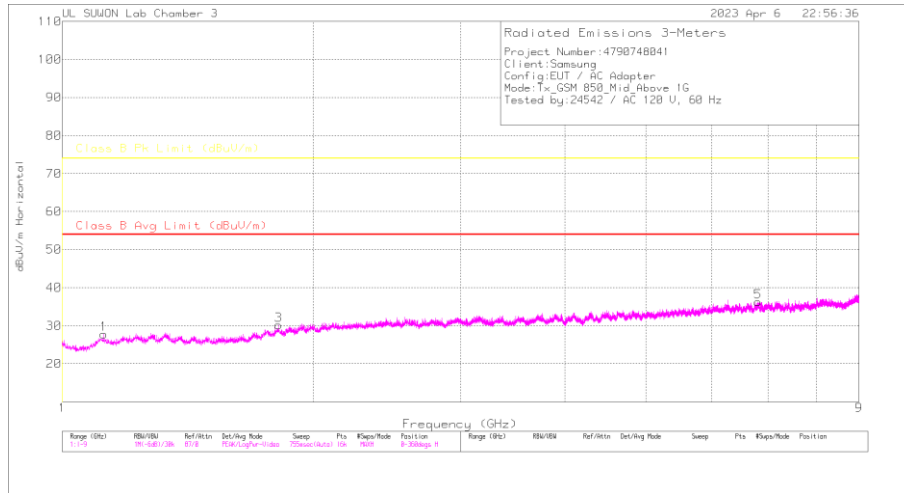
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	1-18GHz(dB)	1GHz_HP[dB]	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.4545	42.06	Pk	28	-35.9	.7	34.86	-	-	74	-39.14	0	100	H
1.4545	29.72	Ca	28	-35.9	.7	22.52	54	-31.48	-	-	0	100	H
1.338	43.72	Pk	28.6	-36	.7	37.02	-	-	74	-36.98	0	100	V
1.338	30.62	Ca	28.6	-36	.7	23.92	54	-30.08	-	-	0	100	V
2.9765	41.81	Pk	32.8	-34	.7	41.31	-	-	74	-32.69	0	100	H
2.9765	28.94	Ca	32.8	-34	.7	28.44	54	-25.56	-	-	0	100	H
2.9745	41.31	Pk	32.7	-34.1	.7	40.61	-	-	74	-33.39	0	100	V
2.9745	28.94	Ca	32.7	-34.1	.7	28.24	54	-25.76	-	-	0	100	V
6.8165	35.11	Pk	36	-27.3	.5	44.31	-	-	74	-29.69	0	100	H
6.8165	22.87	Ca	36	-27.3	.5	32.07	54	-21.93	-	-	0	100	H
6.82	35.38	Pk	36	-27.3	.5	44.58	-	-	74	-29.42	0	100	V
6.82	22.81	Ca	36	-27.3	.5	32.01	54	-21.99	-	-	0	100	V

Pk - Peak detector

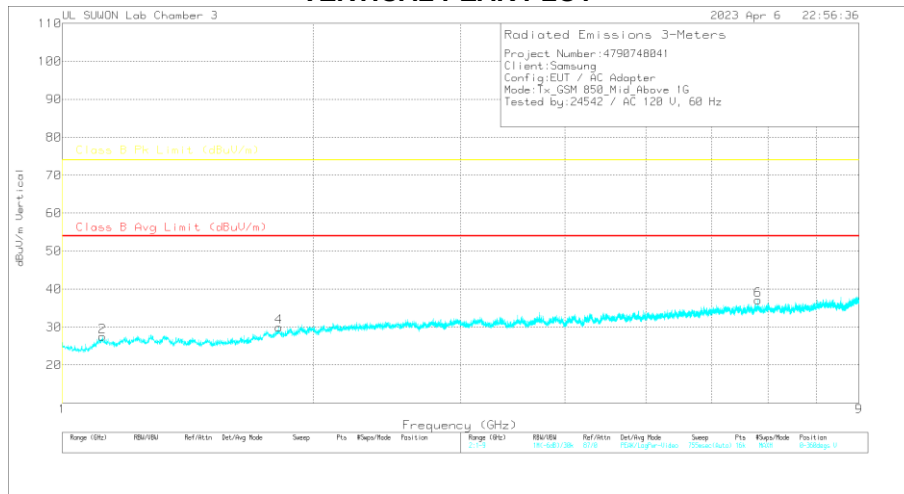
Ca - CISPR average detection

MID CHANNEL(881.6 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

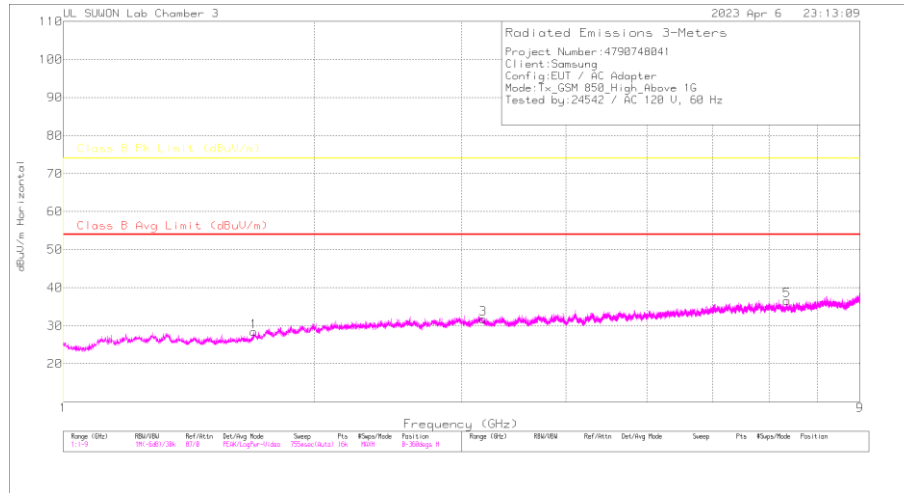
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	1-18GHz(dB)	1GHz_HP[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
1.1215	43.13	Pk	27.6	-36.4	1	35.33	-	-	74	-38.67	0	100	H
1.1215	30.65	Ca	27.6	-36.4	1	22.85	54	-31.15	-	-	0	100	H
1.1175	42.79	Pk	27.6	-36.4	1	34.99	-	-	74	-39.01	0	100	V
1.1175	30.79	Ca	27.6	-36.4	1	22.99	54	-31.01	-	-	0	100	V
1.8155	43.27	Pk	30.2	-35.5	7	38.67	-	-	74	-35.33	0	100	H
1.8155	29.76	Ca	30.2	-35.5	7	25.16	54	-28.84	-	-	0	100	H
1.818	42.95	Pk	30.2	-35.4	7	38.45	-	-	74	-35.55	0	100	V
1.818	29.66	Ca	30.2	-35.4	7	25.16	54	-28.84	-	-	0	100	V
6.8185	34.59	Pk	36	-27.3	5	43.79	-	-	74	-30.21	0	100	H
6.8185	22.59	Ca	36	-27.3	5	31.79	54	-22.21	-	-	0	100	H
6.8165	35.22	Pk	36	-27.3	5	44.42	-	-	74	-29.58	0	100	V
6.8165	22.62	Ca	36	-27.3	5	31.82	54	-22.18	-	-	0	100	V

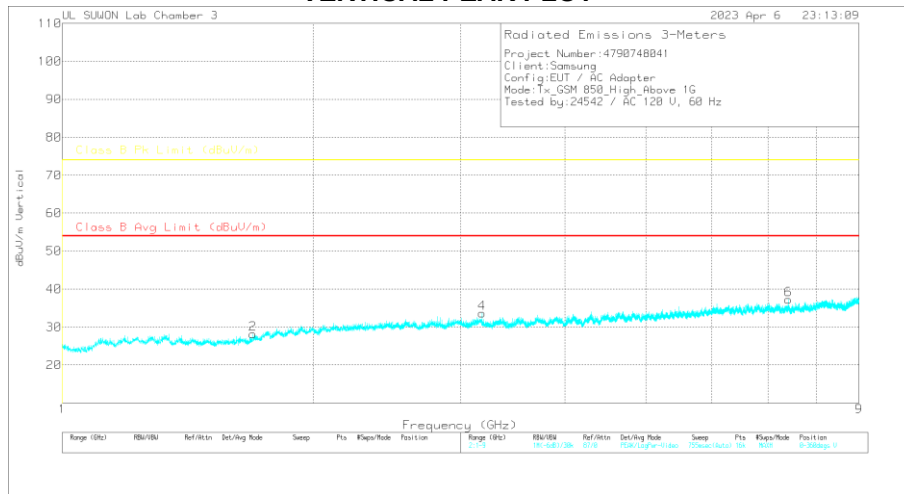
Pk - Peak detector
Ca - CISPR average detection

HIGH CHANNEL(893.8 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Radiated Emissions

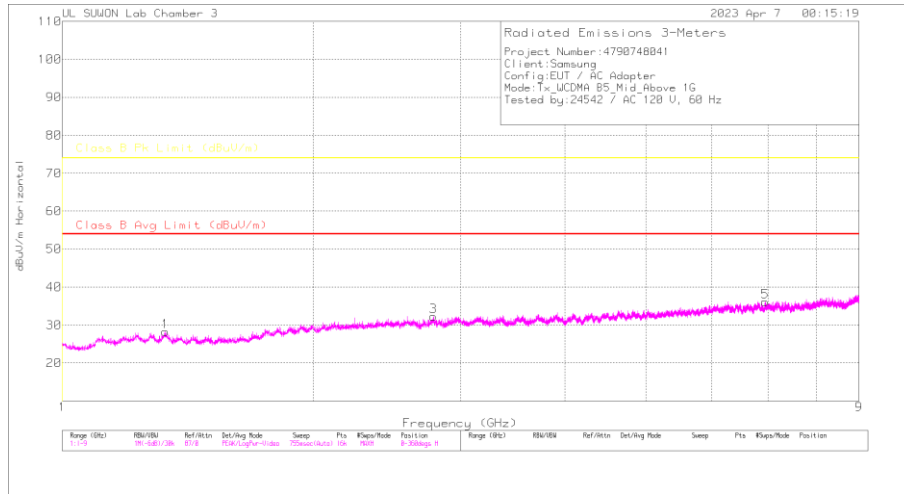
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	1-18GHz(dB)	1GHz_HP[dB]	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.693	42.72	Pk	28.9	-35.5	.7	36.82	-	-	74	-37.18	0	100	H
1.693	29.45	Ca	28.9	-35.5	.7	23.55	54	-30.45	-	-	0	100	H
1.6925	31.95	Pk	28.9	-35.5	.7	26.05	-	-	74	-47.95	0	100	V
1.6925	20.52	Ca	28.9	-35.5	.7	14.62	54	-39.38	-	-	0	100	V
3.1825	41.61	Pk	32.9	-34	.7	41.21	-	-	74	-32.79	0	100	H
3.1825	28.11	Ca	32.9	-34	.7	27.71	54	-26.29	-	-	0	100	H
3.182	30.86	Pk	32.9	-34	.7	30.46	-	-	74	-43.54	0	100	V
3.182	19.18	Ca	32.9	-34	.7	18.78	54	-35.22	-	-	0	100	V
7.359	33.91	Pk	35.8	-26.4	.5	43.61	-	-	74	-30.19	0	100	H
7.359	21.66	Ca	35.8	-26.4	.5	31.56	54	-22.44	-	-	0	100	H
7.411	23.72	Pk	35.7	-26	.6	34.02	-	-	74	-39.98	0	100	V
7.411	12.48	Ca	35.7	-26	.6	22.78	54	-31.22	-	-	0	100	V

Pk - Peak detector
Ca - CISPR average detection

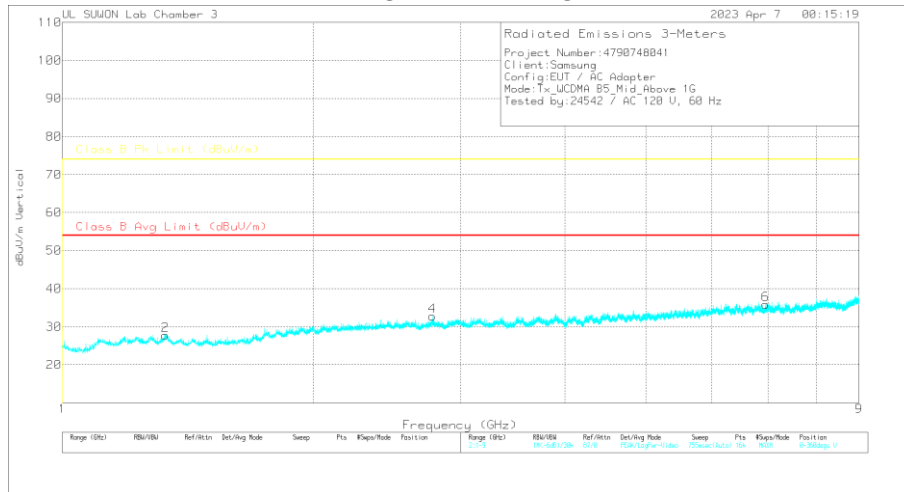
7.1.2. Above 1 GHz in the WCDMA Band 5

MID CHANNEL(881.6 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Radiated Emissions

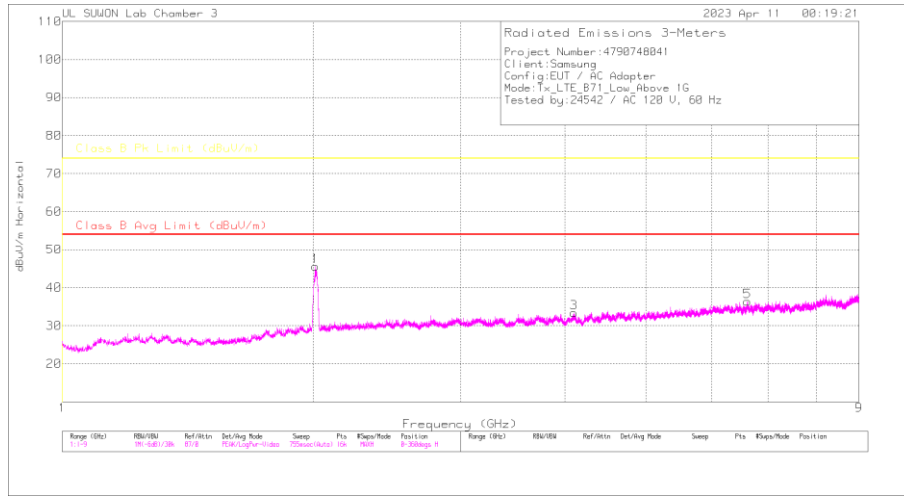
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	1-18GHz(dB)	1GHz_HP[dB]	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.3285	32.95	Pk	28.6	-36	.7	26.25	-	-	74	-47.75	0	100	H
1.3285	21.48	Ca	28.6	-36	.7	14.78	54	-39.22	-	-	0	100	H
1.3285	42.86	Pk	28.6	-36	.7	36.16	-	-	74	-37.84	0	100	V
1.3285	30.39	Ca	28.6	-36	.7	23.69	54	-30.31	-	-	0	100	V
2.7815	41.14	Pk	32.4	-34.4	.7	39.84	-	-	74	-34.16	0	100	H
2.7815	28.67	Ca	32.4	-34.4	.7	27.37	54	-26.63	-	-	0	100	H
2.775	42.8	Pk	32.4	-34.3	.7	41.6	-	-	74	-32.4	0	100	V
2.775	28.72	Ca	32.4	-34.3	.7	27.52	54	-26.48	-	-	0	100	V
6.9495	34.49	Pk	36	-27.2	.5	43.79	-	-	74	-30.21	0	100	H
6.9495	21.93	Ca	36	-27.2	.5	31.23	54	-22.77	-	-	0	100	H
6.9555	34.16	Pk	36	-27.2	.5	43.46	-	-	74	-30.54	0	100	V
6.9555	21.97	Ca	36	-27.2	.5	31.27	54	-22.73	-	-	0	100	V

Pk - Peak detector
Ca - CISPR average detection

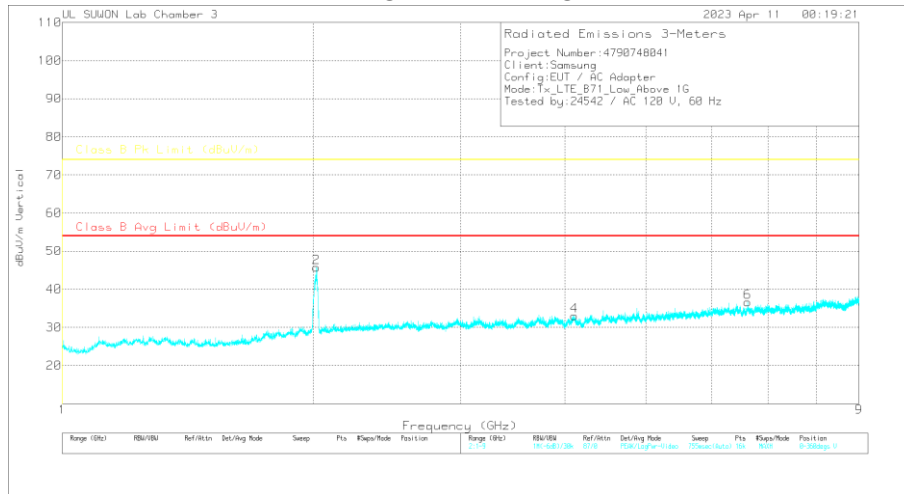
7.1.3. Above 1 GHz in the LTE Band 71

LOW CHANNEL(662 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

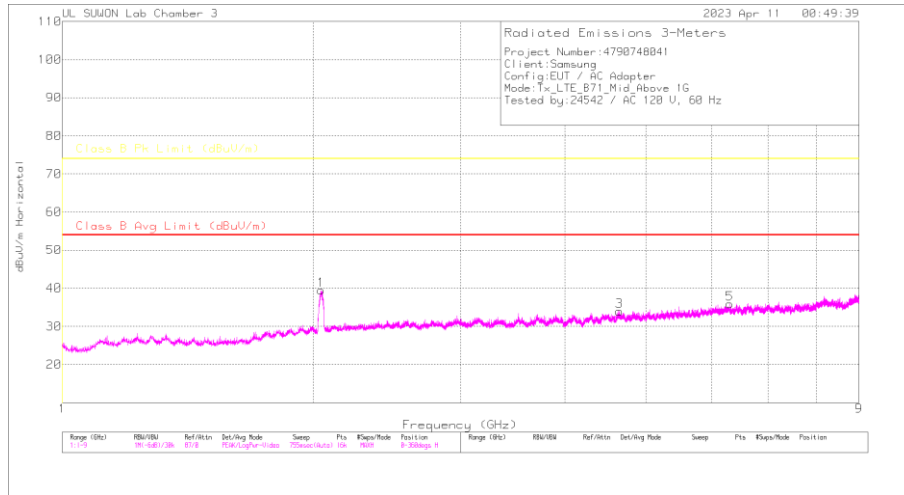
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	1-18GHzz(dB)	1GHz_HP[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
2.011	51.67	Pk	31.1	-35.2	.6	48.17	-	-	74	-25.83	246	184	H
2.011	40.41	Ca	31.1	-35.2	.6	36.91	54	-17.09	-	-	246	184	H
2.0165	51.02	Pk	31.2	-35.2	.6	47.62	-	-	74	-26.38	252	160	V
2.0165	39.19	Ca	31.2	-35.2	.6	35.79	54	-18.21	-	-	252	160	V
4.1025	39.57	Pk	33.5	-32	.5	41.57	-	-	74	-32.43	0	100	H
4.1025	26.85	Ca	33.5	-32	.5	28.85	54	-25.15	-	-	0	100	H
4.1065	40.12	Pk	33.5	-32	.5	42.12	-	-	74	-31.88	0	100	V
4.1065	26.78	Ca	33.5	-32	.5	28.78	54	-25.22	-	-	0	100	V
6.6175	35.07	Pk	36	-27.8	.5	43.77	-	-	74	-30.23	0	100	H
6.6175	22.88	Ca	36	-27.8	.5	31.58	54	-22.42	-	-	0	100	H
6.6255	35.7	Pk	36	-27.8	.5	44.4	-	-	74	-29.6	0	100	V
6.6255	22.84	Ca	36	-27.8	.5	31.54	54	-22.46	-	-	0	100	V

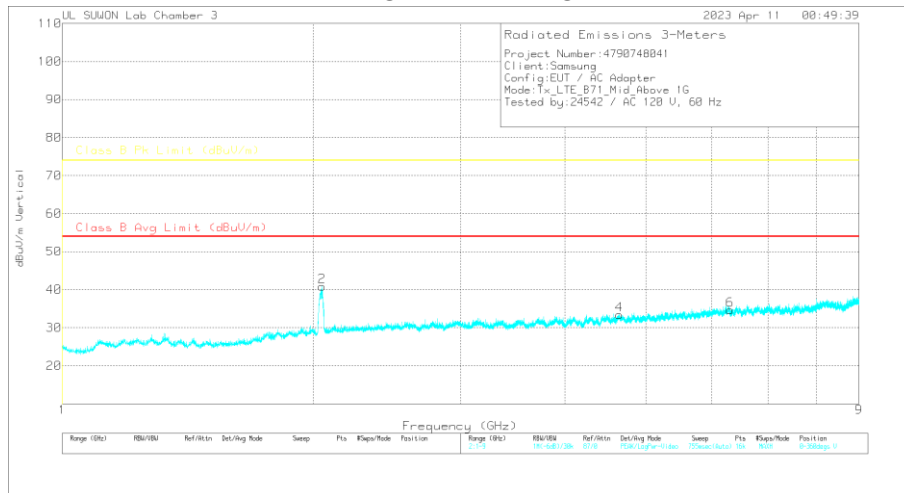
Pk - Peak detector
Ca - CISPR average detection

MID CHANNEL(634.5 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Radiated Emissions

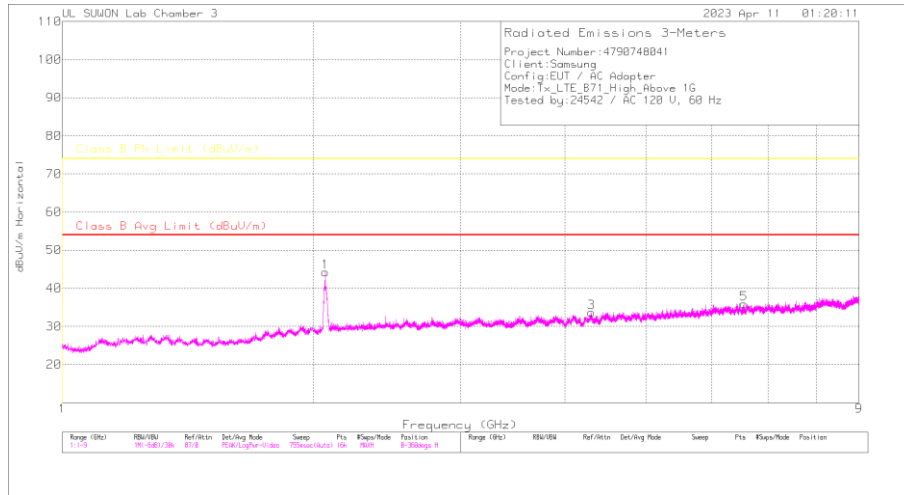
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	1-18GHz(dB)	1GHz_HP[dB]	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.041	55.63	Pk	31.3	-35.1	.6	52.43	-	-	74	-21.57	244	126	H
2.041	44.86	Ca	31.3	-35.1	.6	41.66	54	-12.34	-	-	244	126	H
2.048	54.04	Pk	31.3	-35	.6	50.94	-	-	74	-23.06	202	380	V
2.048	43.54	Ca	31.3	-35	.6	40.44	54	-13.56	-	-	202	380	V
4.6485	38.6	Pk	34.3	-31.5	.5	41.9	-	-	74	-32.1	0	100	H
4.6485	25.97	Ca	34.3	-31.5	.5	29.27	54	-24.73	-	-	0	100	H
4.6495	38.74	Pk	34.3	-31.5	.5	42.04	-	-	74	-31.96	0	100	V
4.6495	25.95	Ca	34.3	-31.5	.5	29.25	54	-24.75	-	-	0	100	V
6.3015	35.87	Pk	36	-28.9	.5	43.47	-	-	74	-30.53	0	100	H
6.3015	23.13	Ca	36	-28.9	.5	30.73	54	-23.27	-	-	0	100	H
6.306	35.6	Pk	36	-28.9	.5	43.2	-	-	74	-30.8	0	100	V
6.306	22.96	Ca	36	-28.9	.5	30.56	54	-23.44	-	-	0	100	V

Pk - Peak detector

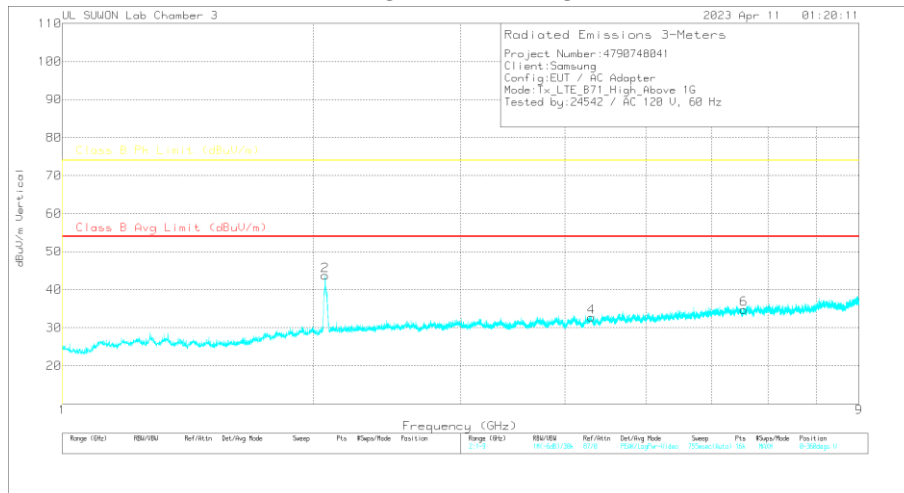
Ca - CISPR average detection

HIGH CHANNEL(647 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Radiated Emissions

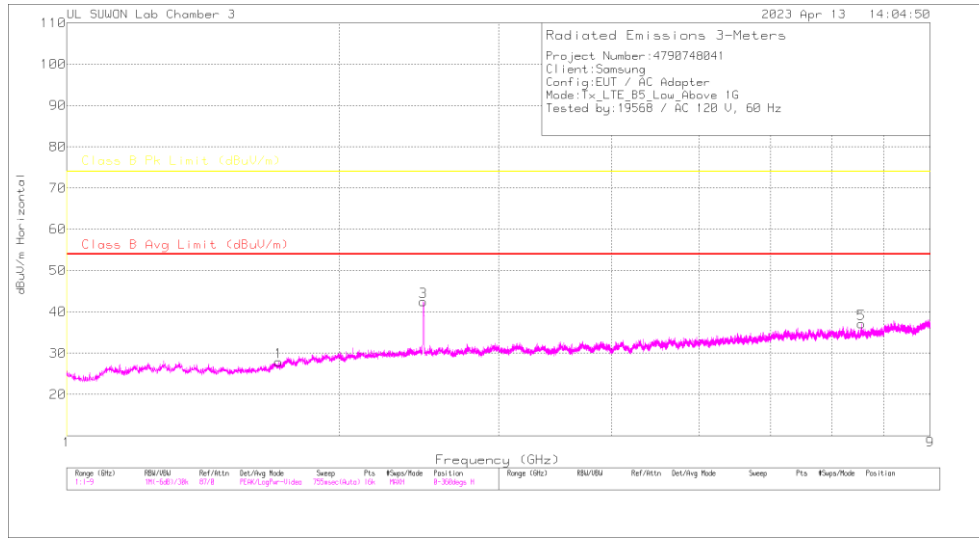
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	1-18GHz(dB)	1GHz_HP[dB]	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.0655	55.57	Pk	31.4	-35	.6	52.57	-	-	74	-21.43	246	172	H
2.0655	44.83	Ca	31.4	-35	.6	41.83	54	-12.17	-	-	246	172	H
2.065	52.92	Pk	31.4	-35	.6	49.92	-	-	74	-24.08	202	284	V
2.065	41.6	Ca	31.4	-35	.6	38.6	54	-15.4	-	-	202	284	V
4.303	38.41	Pk	33.7	-31.7	.5	40.91	-	-	74	-33.09	0	100	H
4.303	26.42	Ca	33.7	-31.7	.5	28.92	54	-25.08	-	-	0	100	H
4.304	38.96	Pk	33.7	-31.7	.5	41.46	-	-	74	-32.54	0	100	V
4.304	26.41	Ca	33.7	-31.7	.5	28.91	54	-25.09	-	-	0	100	V
6.5545	35.51	Pk	35.9	-27.9	.5	44.01	-	-	74	-29.99	0	100	H
6.5545	22.47	Ca	35.9	-27.9	.5	30.97	54	-23.03	-	-	0	100	H
6.557	35.66	Pk	35.9	-27.9	.5	44.16	-	-	74	-29.84	0	100	V
6.557	22.48	Ca	35.9	-27.9	.5	30.98	54	-23.02	-	-	0	100	V

Pk - Peak detector
Ca - CISPR average detection

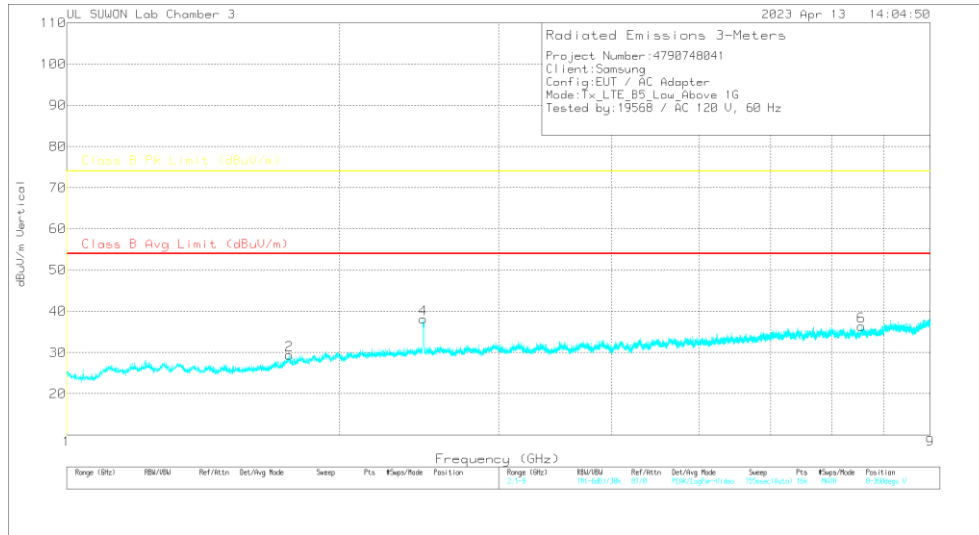
7.1.4. Above 1 GHz in the LTE Band 5

LOW CHANNEL(874.0 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

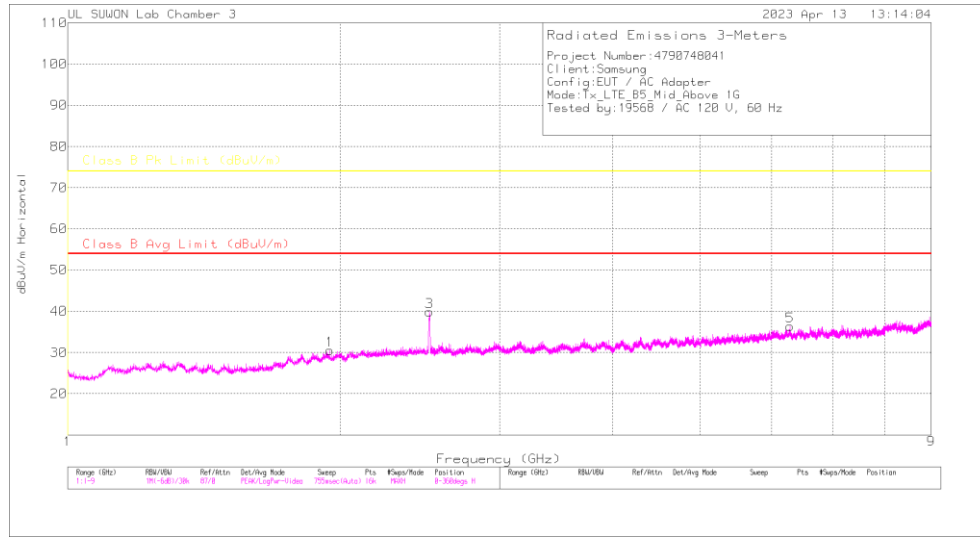
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	1-18GHz(dB)	1GHz_HP[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
1.7135	41.65	Pk	29.2	-35.5	.7	36.05	-	-	74	-37.95	0	100	H
1.7135	28.91	Ca	29.2	-35.5	.7	23.31	54	-30.69	-	-	0	100	H
1.7625	41.67	Pk	30	-35.4	.7	36.97	-	-	74	-37.03	0	100	V
1.7625	29.45	Ca	30	-35.4	.7	24.75	54	-29.25	-	-	0	100	V
2.479	51.64	Pk	32.4	-34.8	.7	49.94	-	-	74	-24.06	218	136	H
2.479	41.55	Ca	32.4	-34.8	.7	39.85	54	-14.15	-	-	218	136	H
2.479	41.55	Pk	32.4	-34.8	.7	39.85	-	-	74	-34.15	0	100	V
2.479	28.34	Ca	32.4	-34.8	.7	26.64	54	-27.36	-	-	0	100	V
7.5525	33.35	Pk	35.8	-25.6	.6	44.15	-	-	74	-29.85	0	100	H
7.5525	21.03	Ca	35.8	-25.6	.6	31.83	54	-22.17	-	-	0	100	H
7.5575	33.33	Pk	35.8	-25.6	.6	44.13	-	-	74	-29.87	0	100	V
7.5575	21.06	Ca	35.8	-25.6	.6	31.86	54	-22.14	-	-	0	100	V

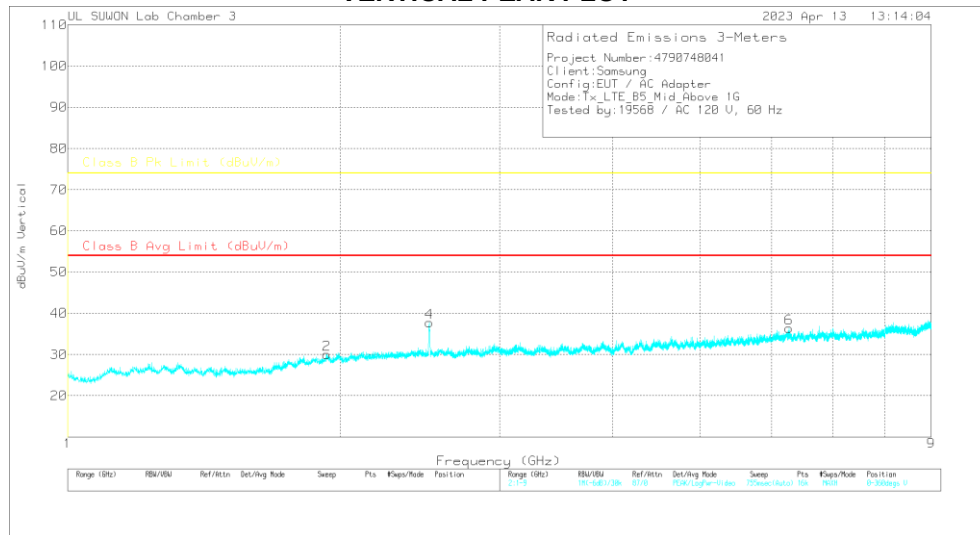
Pk - Peak detector
Ca - CISPR average detection

MID CHANNEL(881.5 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

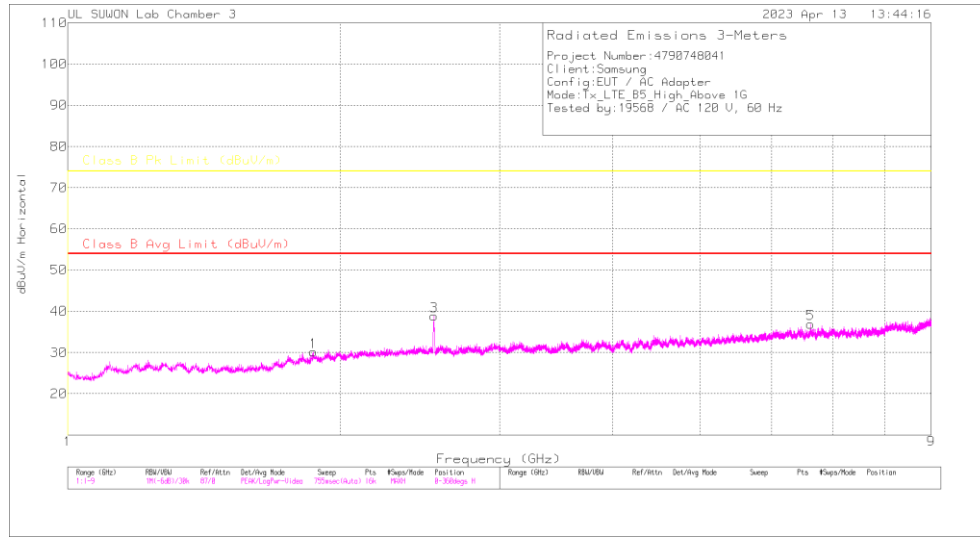
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	1-18GHz(dB)	1GHz_HP[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
1.949	41.65	Pk	31	-35.2	.6	38.05	-	-	74	-35.95	0	100	H
1.949	29	Ca	31	-35.2	.6	25.4	54	-28.6	-	-	0	100	H
1.9325	41.56	Pk	31	-35.1	.6	38.06	-	-	74	-35.94	0	100	V
1.9325	29.41	Ca	31	-35.1	.6	25.91	54	-28.09	-	-	0	100	V
2.511	40.83	Pk	32.4	-34.6	.7	39.33	-	-	74	-34.67	0	100	H
2.511	28.92	Ca	32.4	-34.6	.7	27.42	54	-26.58	-	-	0	100	H
2.5095	41.21	Pk	32.4	-34.6	.7	39.71	-	-	74	-34.29	0	100	V
2.5095	28.97	Ca	32.4	-34.6	.7	27.47	54	-26.53	-	-	0	100	V
6.2825	36.4	Pk	36	-28.8	.5	44.1	-	-	74	-29.9	0	100	H
6.2825	23.61	Ca	36	-28.8	.5	31.31	54	-22.69	-	-	0	100	H
6.2675	35.59	Pk	36	-28.8	.5	43.29	-	-	74	-30.71	0	100	V
6.2675	23.33	Ca	36	-28.8	.5	31.03	54	-22.97	-	-	0	100	V

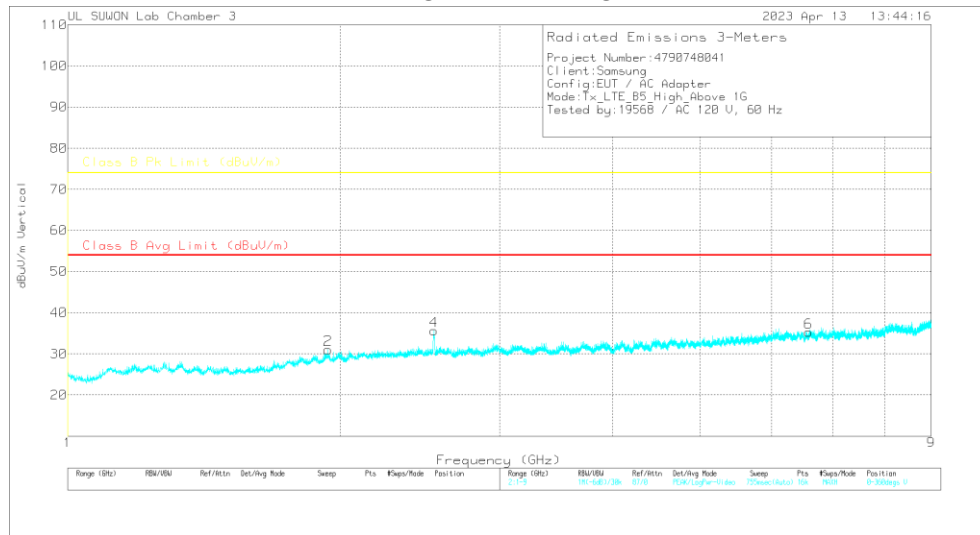
Pk - Peak detector
Ca - CISPR average detection

HIGH CHANNEL(889.0 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Radiated Emissions

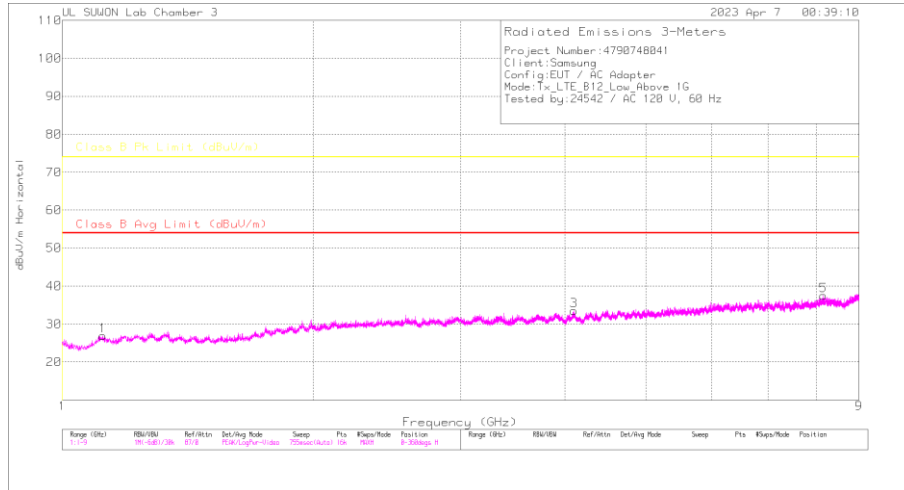
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	1-18GHz(dB)	1GHz_HP[dB]	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.8685	41.59	Pk	30.6	-35.3	.7	37.59	-	-	74	-36.41	0	100	H
1.8685	29.28	Ca	30.6	-35.3	.7	25.28	-	-28.72	-	-	0	100	H
1.9395	42.02	Pk	31	-35.2	.6	38.42	-	-	74	-35.58	0	100	V
1.9395	29.45	Ca	31	-35.2	.6	25.85	-	-28.15	-	-	0	100	V
2.5395	40.82	Pk	32.4	-34.7	.7	39.22	-	-	74	-34.78	0	100	H
2.5395	28.34	Ca	32.4	-34.7	.7	26.74	-	-27.26	-	-	0	100	H
2.54	41.61	Pk	32.4	-34.8	.7	39.91	-	-	74	-34.09	0	100	V
2.54	29.18	Ca	32.4	-34.8	.7	27.48	-	-26.52	-	-	0	100	V
6.6185	34.85	Pk	36	-27.8	.5	43.55	-	-	74	-30.45	0	100	H
6.6185	22.9	Ca	36	-27.8	.5	31.6	-	-22.4	-	-	0	100	H
6.587	34.46	Pk	36	-27.9	.5	43.06	-	-	74	-30.94	0	100	V
6.587	22.03	Ca	36	-27.9	.5	30.63	-	-23.37	-	-	0	100	V

Pk - Peak detector
Ca - CISPR average detection

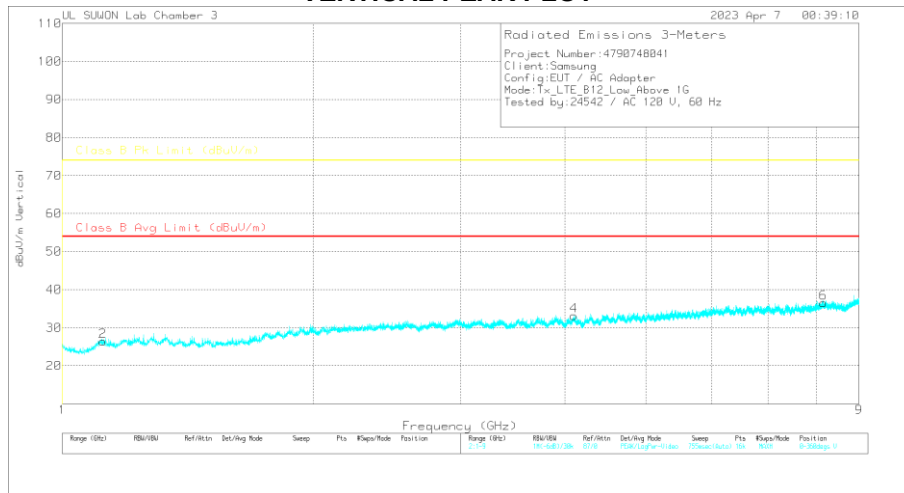
7.1.5. Above 1 GHz in the LTE Band 12

LOW CHANNEL(731.5 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

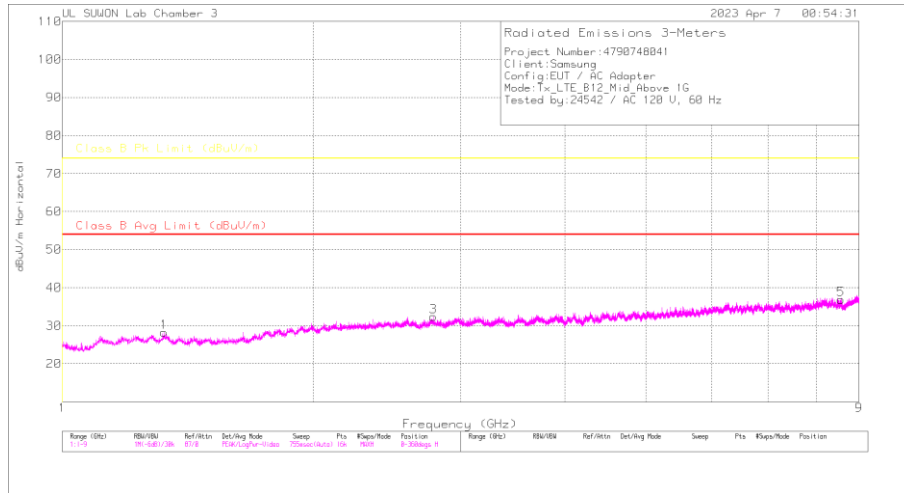
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	1-18GHz(dB)	1GHz_HP[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
1.118	43.24	Pk	27.6	-36.4	1	35.44	-	-	74	-38.56	0	100	H
1.118	30.63	Ca	27.6	-36.4	1	22.83	54	-31.17	-	-	0	100	H
1.119	43.09	Pk	27.6	-36.4	1	35.29	-	-	74	-38.71	0	100	V
1.119	30.62	Ca	27.6	-36.4	1	22.82	54	-31.18	-	-	0	100	V
4.101	40.74	Pk	33.5	-32	.5	42.74	-	-	74	-31.26	0	100	H
4.101	26.94	Ca	33.5	-32	.5	28.94	54	-25.06	-	-	0	100	H
4.103	39.45	Pk	33.5	-32	.5	41.45	-	-	74	-32.55	0	100	V
4.103	26.91	Ca	33.5	-32	.5	28.91	54	-25.09	-	-	0	100	V
8.157	32.57	Pk	36	-24.3	.6	44.87	-	-	74	-29.13	0	100	H
8.157	20.49	Ca	36	-24.3	.6	32.79	54	-21.21	-	-	0	100	H
8.159	33.28	Pk	36	-24.3	.6	45.58	-	-	74	-28.42	0	100	V
8.159	20.49	Ca	36	-24.3	.6	32.79	54	-21.21	-	-	0	100	V

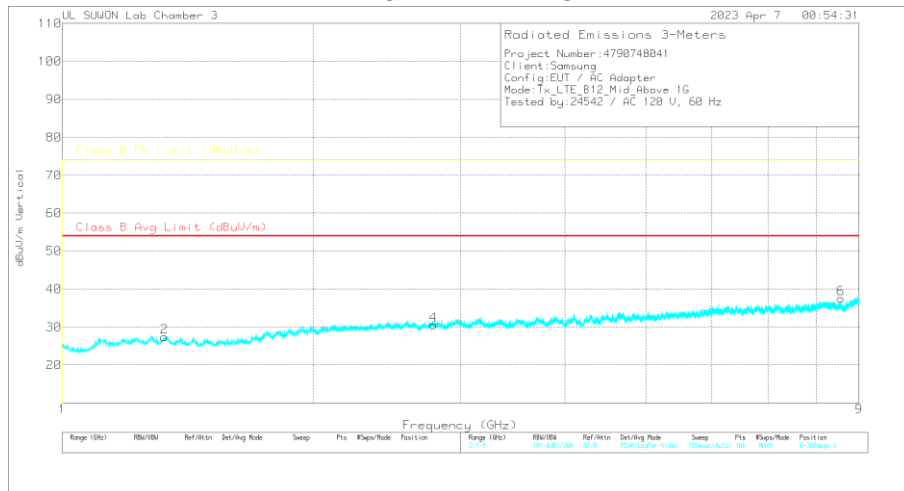
Pk - Peak detector
Ca - CISPR average detection

MID CHANNEL(737.5 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Radiated Emissions

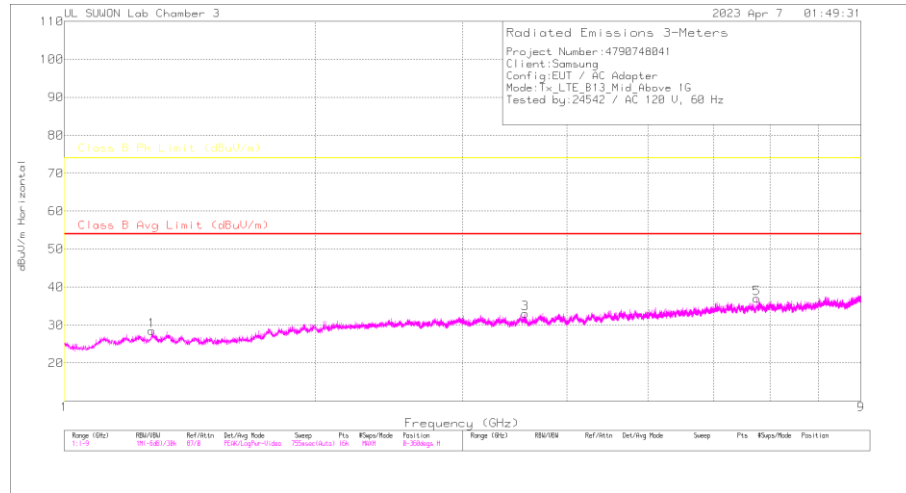
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	1-18GHz(dB)	1GHz_HP[dB]	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.3235	42.12	Pk	28.7	-36.1	.7	35.42	-	-	74	-38.58	0	100	H
1.3235	30.15	Ca	28.7	-36.1	.7	23.45	54	-30.55	-	-	0	100	H
1.326	32.72	Pk	28.6	-36	.7	26.02	-	-	74	-47.98	0	100	V
1.326	21.4	Ca	28.6	-36	.7	14.7	54	-39.3	-	-	0	100	V
2.7835	40.92	Pk	32.4	-34.3	.7	39.72	-	-	74	-34.28	0	100	H
2.7835	28.67	Ca	32.4	-34.3	.7	27.47	54	-26.53	-	-	0	100	H
2.7835	41.62	Pk	32.4	-34.3	.7	40.42	-	-	74	-33.58	0	100	V
2.7835	28.66	Ca	32.4	-34.3	.7	27.46	54	-26.54	-	-	0	100	V
8.563	31.72	Pk	36	-23.6	.7	44.82	-	-	74	-29.18	0	100	H
8.563	19.39	Ca	36	-23.6	.7	32.49	54	-21.51	-	-	0	100	H
8.5655	31.41	Pk	36	-23.6	.7	44.51	-	-	74	-29.49	0	100	V
8.5655	19.38	Ca	36	-23.6	.7	32.48	54	-21.52	-	-	0	100	V

Pk - Peak detector
Ca - CISPR average detection

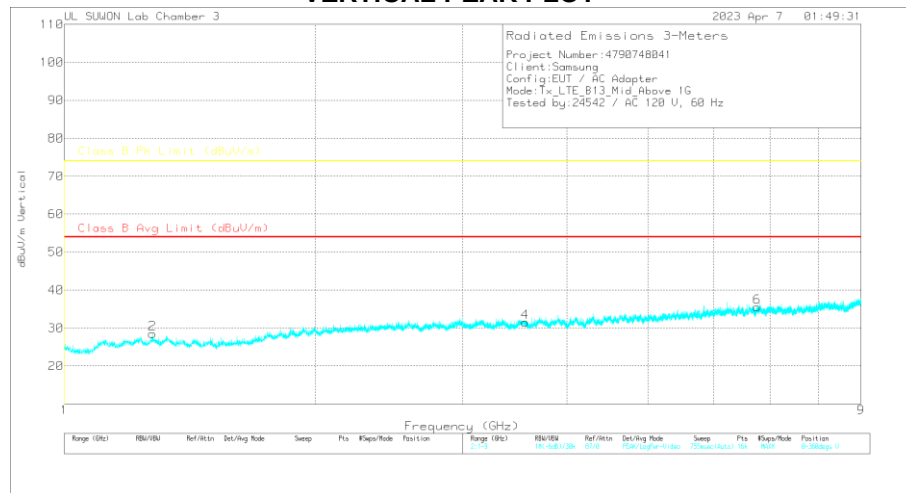
7.1.6. Above 1 GHz in the LTE Band 13

MID CHANNEL(751.0 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV/m)	Det	3117_00218957	1-18GHz(dB)	1GHz_HP[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
1.2735	42.15	Pk	28.7	-36.1	.8	35.55	-	-	74	-38.45	0	100	H
1.2735	30.02	Ca	28.7	-36.1	.8	23.42	54	-30.58	-	-	0	100	H
1.2755	43.16	Pk	28.8	-36.1	.8	36.66	-	-	74	-37.34	0	100	V
1.2755	30.13	Ca	28.8	-36.1	.8	23.63	54	-30.37	-	-	0	100	V
3.565	40.36	Pk	33.1	-33.3	.6	40.76	-	-	74	-33.24	0	100	H
3.565	27.52	Ca	33.1	-33.3	.6	27.92	54	-26.08	-	-	0	100	H
3.5665	39.82	Pk	33.1	-33.3	.6	40.22	-	-	74	-33.78	0	100	V
3.5665	27.48	Ca	33.1	-33.3	.6	27.88	54	-26.12	-	-	0	100	V
6.751	34.92	Pk	36	-27.6	.5	43.82	-	-	74	-30.18	0	100	H
6.751	22.44	Ca	36	-27.6	.5	31.34	54	-22.66	-	-	0	100	H
6.7575	34.94	Pk	36	-27.6	.5	43.84	-	-	74	-30.16	0	100	V
6.7575	22.46	Ca	36	-27.6	.5	31.36	54	-22.64	-	-	0	100	V

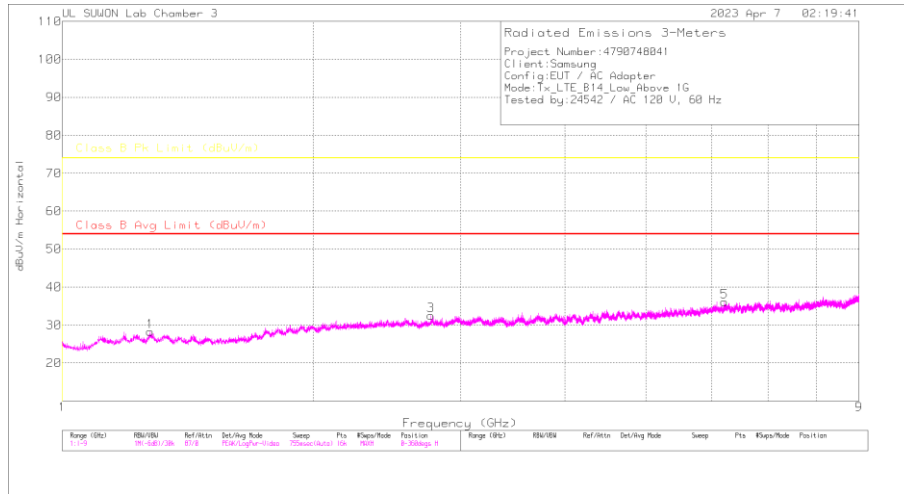
Pk - Peak detector

Ca - CISPR average detection

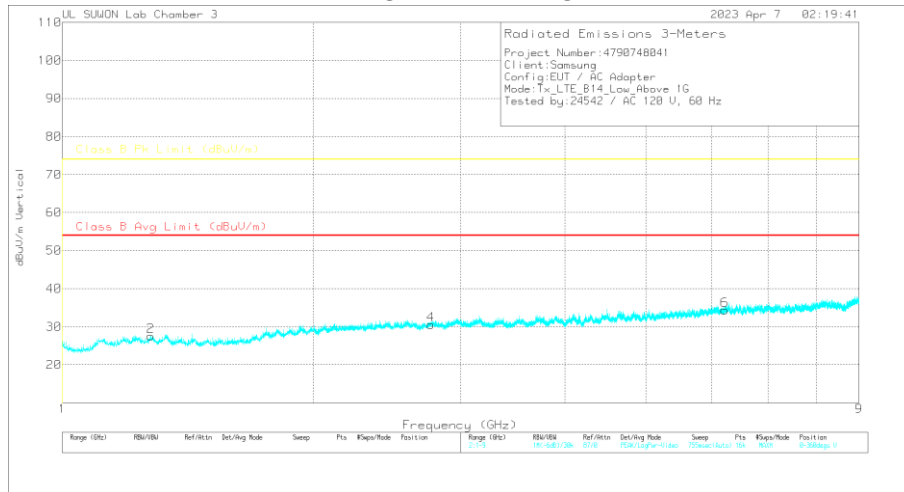
7.1.7. Above 1 GHz in the LTE Band 14

LOW CHANNEL(760.5 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Radiated Emissions

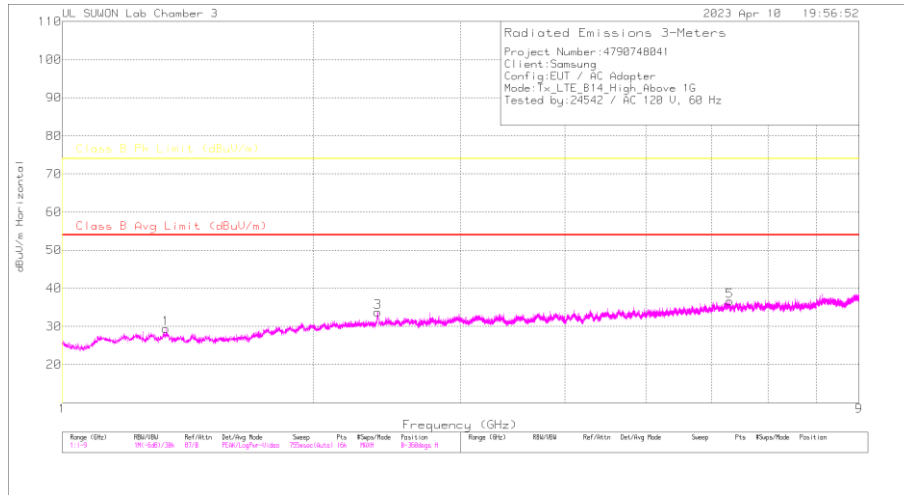
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	1-18GHz(dB)	1GHz_HP[dB]	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.274	43.17	Pk	28.7	-36.2	.8	36.47	-	-	74	-37.53	0	100	H
1.274	30.04	Ca	28.7	-36.2	.8	23.34	54	-30.66	-	-	0	100	H
1.276	42.62	Pk	28.8	-36.1	.8	36.12	-	-	74	-37.88	0	100	V
1.276	30.14	Ca	28.8	-36.1	.8	23.64	54	-30.36	-	-	0	100	V
2.765	41.07	Pk	32.4	-34.4	.7	39.77	-	-	74	-34.23	0	100	H
2.765	28.58	Ca	32.4	-34.4	.7	27.28	54	-26.72	-	-	0	100	H
2.7655	40.79	Pk	32.4	-34.4	.7	39.49	-	-	74	-34.51	0	100	V
2.7655	28.59	Ca	32.4	-34.4	.7	27.29	54	-26.71	-	-	0	100	V
6.215	35.34	Pk	36	-28.9	.5	42.94	-	-	74	-31.06	0	100	H
6.215	23.52	Ca	36	-28.9	.5	31.12	54	-22.88	-	-	0	100	H
6.2155	35.57	Pk	36	-28.9	.5	43.17	-	-	74	-30.83	0	100	V
6.2155	23.53	Ca	36	-28.9	.5	31.13	54	-22.87	-	-	0	100	V

Pk - Peak detector

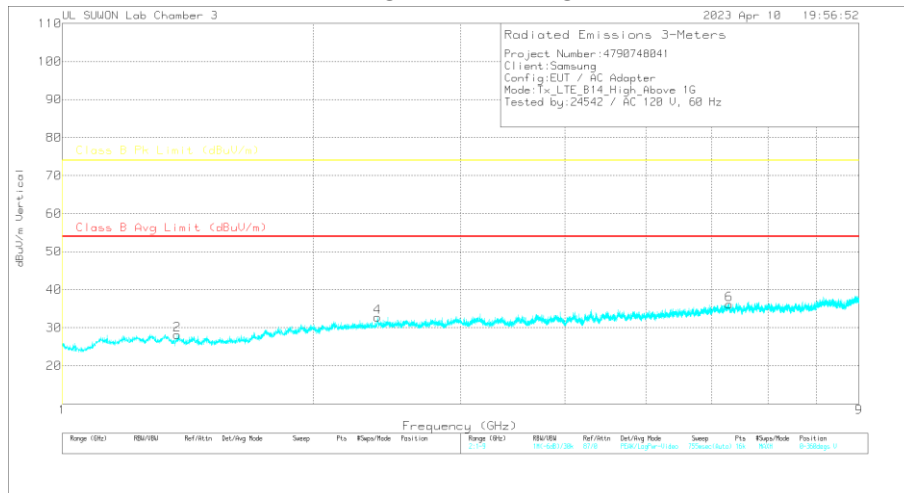
Ca - CISPR average detection

HIGH CHANNEL(765.5 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	1-18GHz(dB)	1GHz_HP[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
1.3315	42.93	Pk	28.6	-36	.7	36.23	-	-	74	-37.77	0	100	H
1.3315	30.91	Ca	28.6	-36	.7	24.21	54	-29.79	-	-	0	100	H
1.3735	32.18	Pk	28.3	-36.1	.7	25.08	-	-	74	-48.92	0	100	V
1.3735	21.32	Ca	28.3	-36.1	.7	14.22	54	-39.78	-	-	0	100	V
2.387	42.74	Pk	32.1	-34.9	.7	40.64	-	-	74	-33.36	0	100	H
2.387	29.81	Ca	32.1	-34.9	.7	27.71	54	-26.29	-	-	0	100	H
2.3855	31.97	Pk	32.1	-34.9	.7	29.87	-	-	74	-44.13	0	100	V
2.3855	20.56	Ca	32.1	-34.9	.7	18.46	54	-35.54	-	-	0	100	V
6.2995	36.58	Pk	36	-28.9	.5	44.18	-	-	74	-29.82	0	100	H
6.2995	23.69	Ca	36	-28.9	.5	31.29	54	-22.71	-	-	0	100	H
6.2965	26.17	Pk	36	-28.9	.5	33.77	-	-	74	-40.23	0	100	V
6.2965	14.88	Ca	36	-28.9	.5	22.48	54	-31.52	-	-	0	100	V

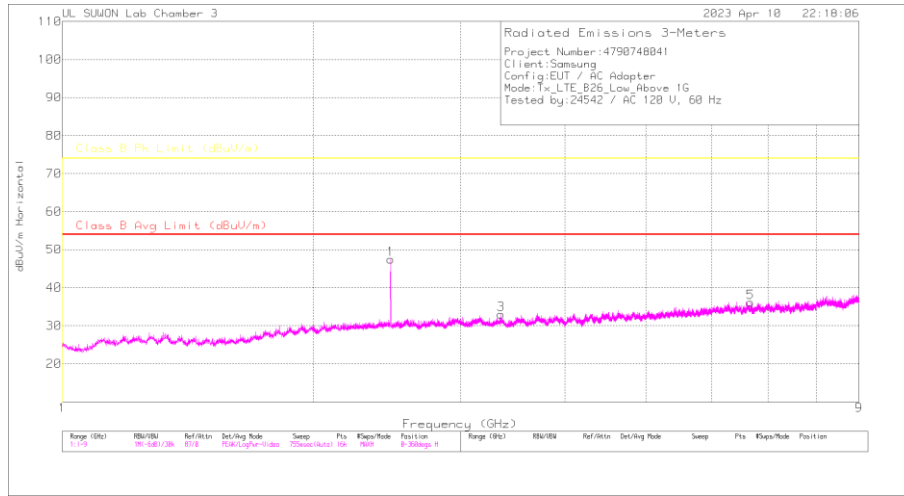
Pk - Peak detector

Ca - CISPR average detection

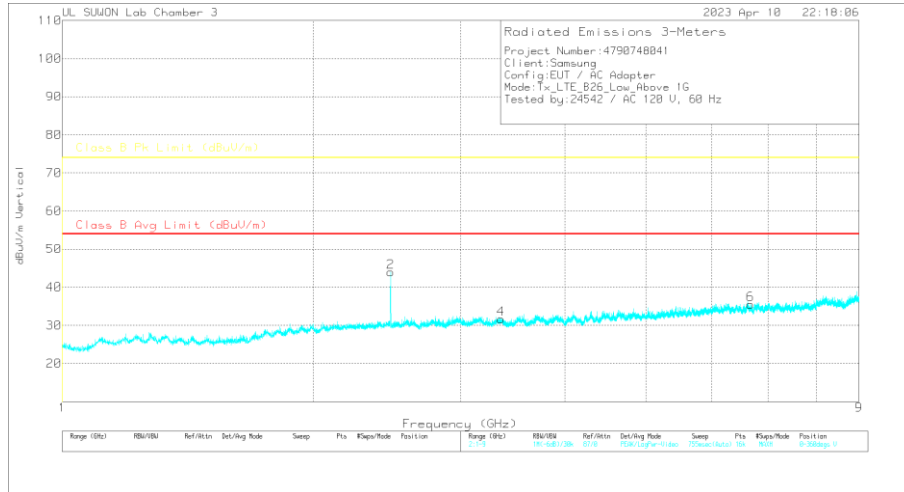
7.1.8. Above 1 GHz in the LTE Band 26

LOW CHANNEL(871.5 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

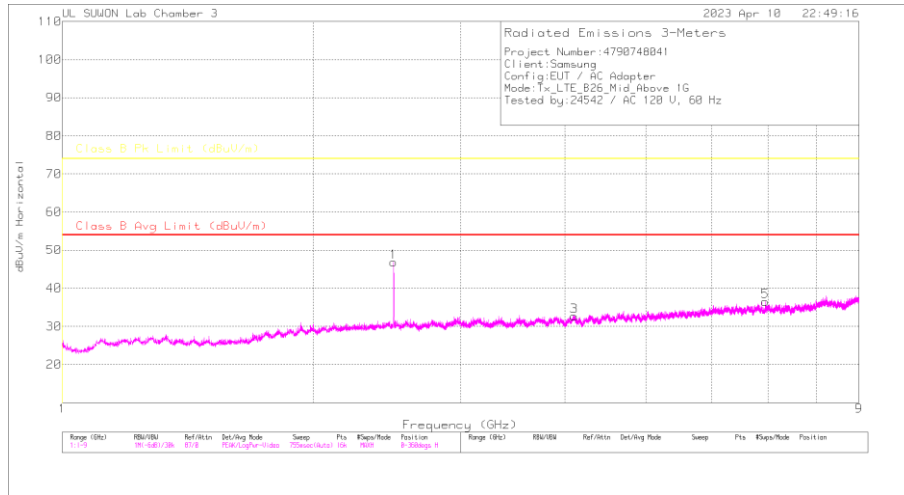
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	1-18GHz(dB)	1GHz_HP[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
2.4745	56.14	Pk	32.3	-34.8	.7	54.34	-	-	74	-19.66	228	129	H
2.4745	47.05	Ca	32.3	-34.8	.7	45.25	54	-8.75	-	-	228	129	H
2.4735	53.68	Pk	32.3	-34.8	.7	51.88	-	-	74	-22.12	236	122	V
2.4735	43.56	Ca	32.3	-34.8	.7	41.76	54	-12.24	-	-	236	122	V
3.353	39.98	Pk	32.8	-33.5	.7	39.98	-	-	74	-34.02	0	100	H
3.353	27.79	Ca	32.8	-33.5	.7	27.79	54	-26.21	-	-	0	100	H
3.353	41	Pk	32.8	-33.5	.7	41	-	-	74	-33	0	100	V
3.353	27.78	Ca	32.8	-33.5	.7	27.78	54	-26.22	-	-	0	100	V
6.6765	34.94	Pk	36	-27.9	.5	43.54	-	-	74	-30.46	0	100	H
6.6765	22.53	Ca	36	-27.9	.5	31.13	54	-22.87	-	-	0	100	H
6.6725	35.71	Pk	36	-28	.5	44.21	-	-	74	-29.79	0	100	V
6.6725	22.47	Ca	36	-28	.5	30.97	54	-23.03	-	-	0	100	V

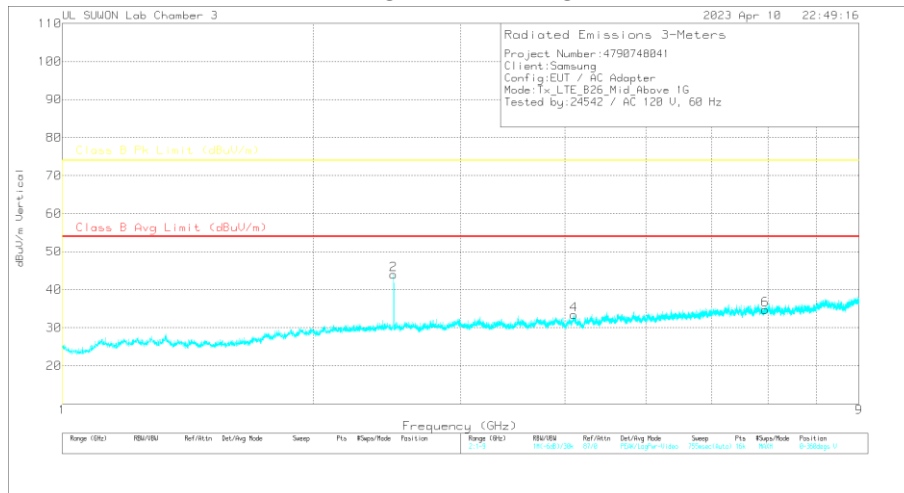
Pk - Peak detector
Ca - CISPR average detection

MID CHANNEL(876.5 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

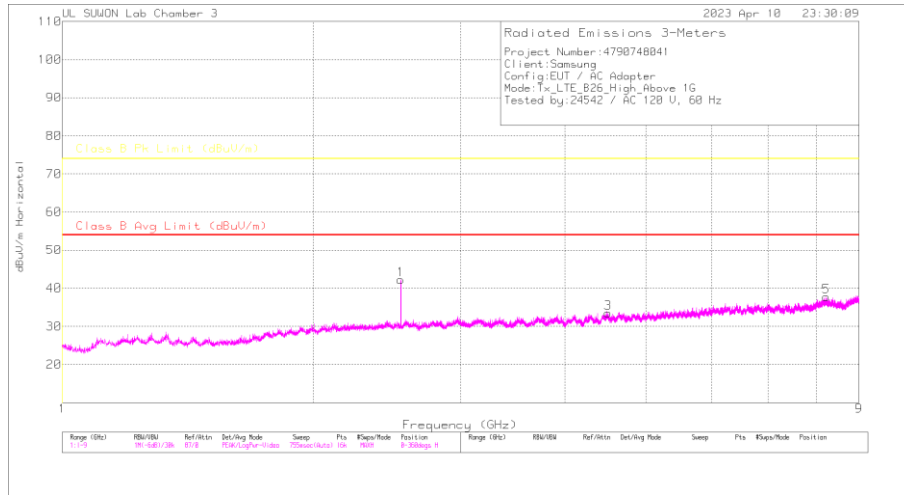
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	1-18GHz(dB)	1GHz_HP[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
2.4945	58.99	Pk	32.4	-34.7	.7	57.39	-	-	74	-16.61	231	127	H
2.4945	47.43	Ca	32.4	-34.7	.7	45.83	54	-8.17	-	-	231	127	H
2.4935	54.45	Pk	32.4	-34.6	.7	52.95	-	-	74	-21.05	232	136	V
2.4935	39.91	Ca	32.4	-34.6	.7	38.41	54	-15.59	-	-	232	136	V
4.1035	39.01	Pk	33.5	-32.1	.5	40.91	-	-	74	-33.09	0	100	H
4.1035	26.79	Ca	33.5	-32.1	.5	28.69	54	-25.31	-	-	0	100	H
4.103	38.63	Pk	33.5	-32	.5	40.63	-	-	74	-33.37	0	100	V
4.103	26.8	Ca	33.5	-32	.5	28.8	54	-25.2	-	-	0	100	V
6.948	33.74	Pk	36	-27.2	.5	43.04	-	-	74	-30.96	0	100	H
6.948	21.77	Ca	36	-27.2	.5	31.07	54	-22.93	-	-	0	100	H
6.9505	34.45	Pk	36	-27.2	.5	43.75	-	-	74	-30.25	0	100	V
6.9505	21.82	Ca	36	-27.2	.5	31.12	54	-22.88	-	-	0	100	V

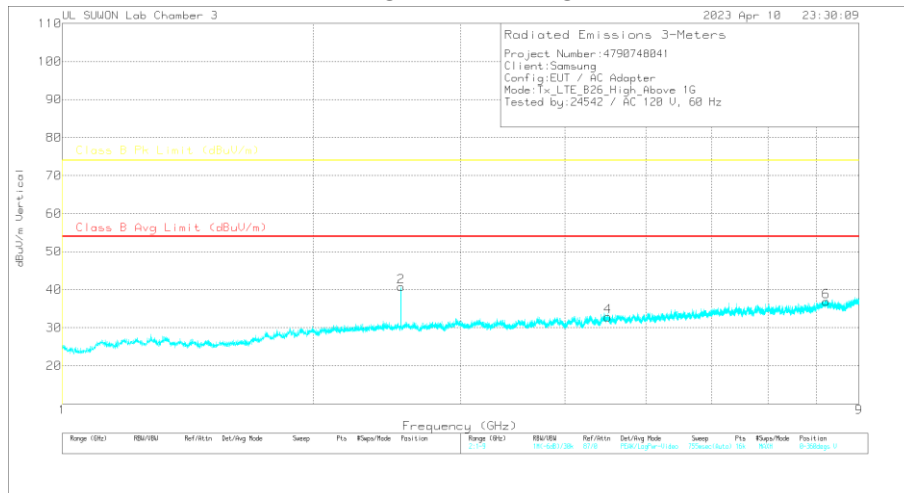
Pk - Peak detector
Ca - CISPR average detection

HIGH CHANNEL(891.5 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Radiated Emissions

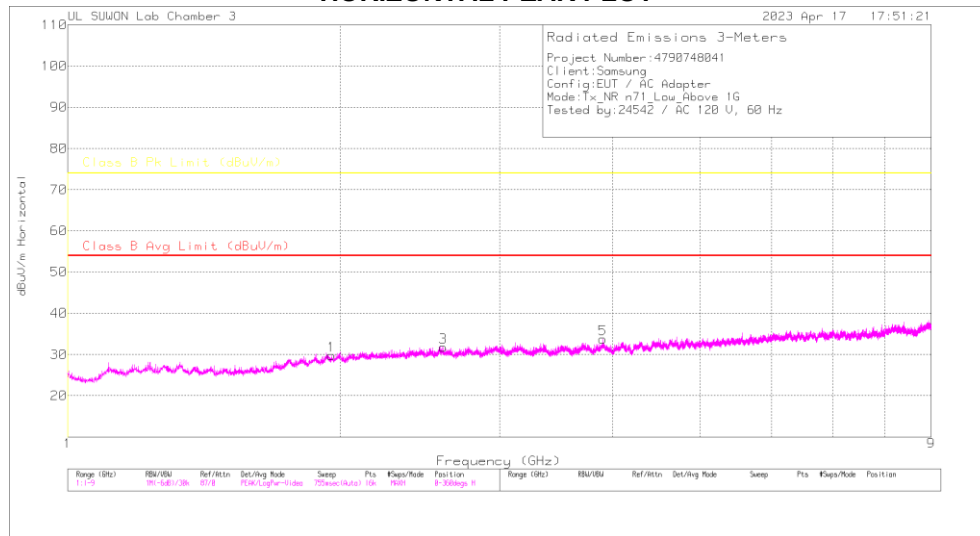
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	1-18GHz(dB)	1GHz_HP[dB]	Corrected Reading (dBuV/m)	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.5445	55.1	Pk	32.4	-34.6	.7	53.6	-	-	74	-20.4	231	121	H
2.5445	43.95	Ca	32.4	-34.6	.7	42.45	54	-11.55	-	-	231	121	H
2.545	54.63	Pk	32.4	-34.6	.7	53.13	-	-	74	-20.87	233	140	V
2.545	42.9	Ca	32.4	-34.6	.7	41.4	54	-12.6	-	-	233	140	V
4.5055	38.45	Pk	34.1	-31.6	.5	41.45	-	-	74	-32.55	0	100	H
4.5055	26	Ca	34.1	-31.6	.5	29	54	-25	-	-	0	100	H
4.507	39.08	Pk	34.1	-31.6	.5	42.08	-	-	74	-31.92	0	100	V
4.507	25.96	Ca	34.1	-31.6	.5	28.96	54	-25.04	-	-	0	100	V
8.2205	33.07	Pk	36	-24	.7	45.77	-	-	74	-28.23	0	100	H
8.2205	20.6	Ca	36	-24	.7	33.3	54	-20.7	-	-	0	100	H
8.224	33.25	Pk	36	-24	.7	45.95	-	-	74	-28.05	0	100	V
8.224	20.58	Ca	36	-24	.7	33.28	54	-20.72	-	-	0	100	V

Pk - Peak detector
Ca - CISPR average detection

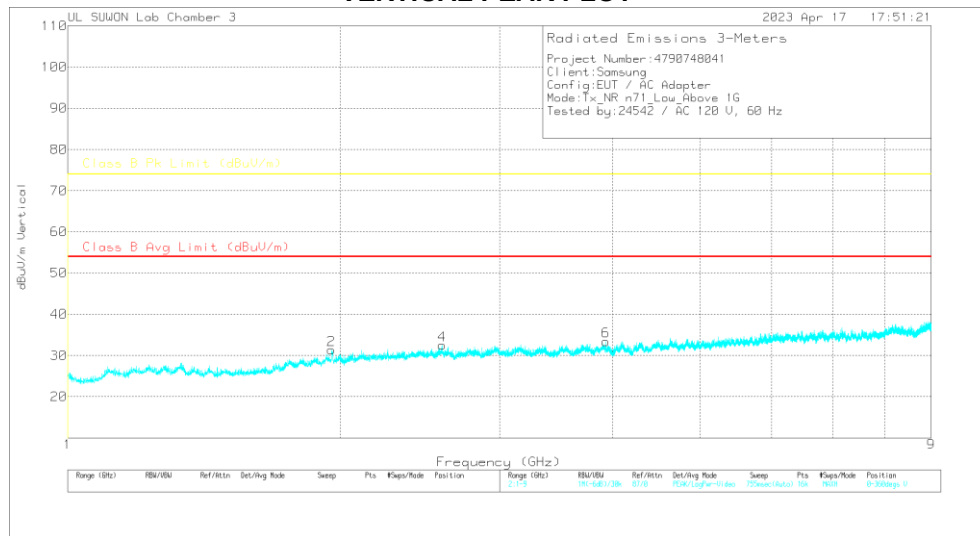
7.1.9. Above 1 GHz in the 5G NR n71

LOW CHANNEL(662 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Radiated Emissions

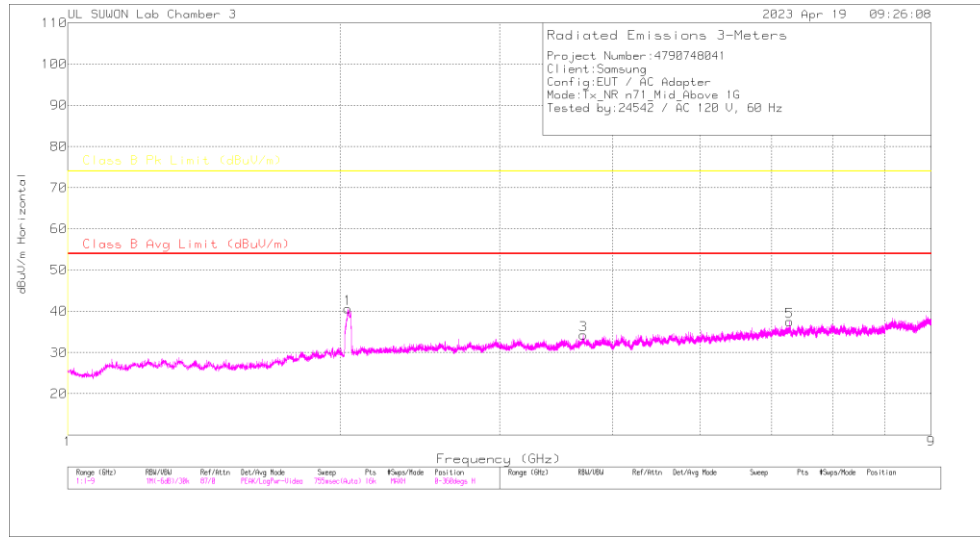
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	1-18GHz(dB)	1GHz_HP[dB]	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.9555	41.66	Pk	31	-35.2	.6	38.06	-	-	74	-35.94	0	100	H
1.9555	28.82	Ca	31	-35.2	.6	25.22	54	-28.78	-	-	0	100	H
1.9565	33.02	Pk	31	-35.2	.6	29.42	-	-	74	-44.58	0	100	V
1.9565	21.72	Ca	31	-35.2	.6	18.12	54	-35.88	-	-	0	100	V
2.5995	40.44	Pk	32.3	-34.7	.7	38.74	-	-	74	-35.26	0	100	H
2.5995	28.64	Ca	32.3	-34.7	.7	26.94	54	-27.06	-	-	0	100	H
2.592	33.11	Pk	32.3	-34.6	.7	31.51	-	-	74	-42.49	0	100	V
2.592	19.96	Ca	32.3	-34.6	.7	18.36	54	-35.64	-	-	0	100	V
3.9015	39.57	Pk	33.5	-32.7	.5	40.87	-	-	74	-33.13	0	100	H
3.9015	27.26	Ca	33.5	-32.7	.5	28.58	54	-25.42	-	-	0	100	H
3.934	28.93	Pk	33.5	-32.6	.5	30.33	-	-	74	-43.67	0	100	V
3.934	17.58	Ca	33.5	-32.6	.5	18.98	54	-35.02	-	-	0	100	V

Pk - Peak detector

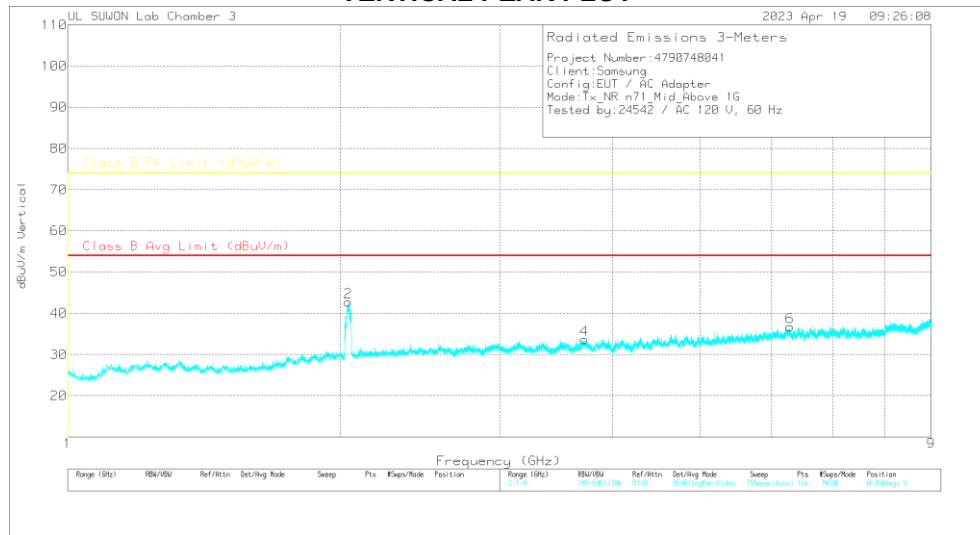
Ca - CISPR average detection

MID CHANNEL(634.5 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

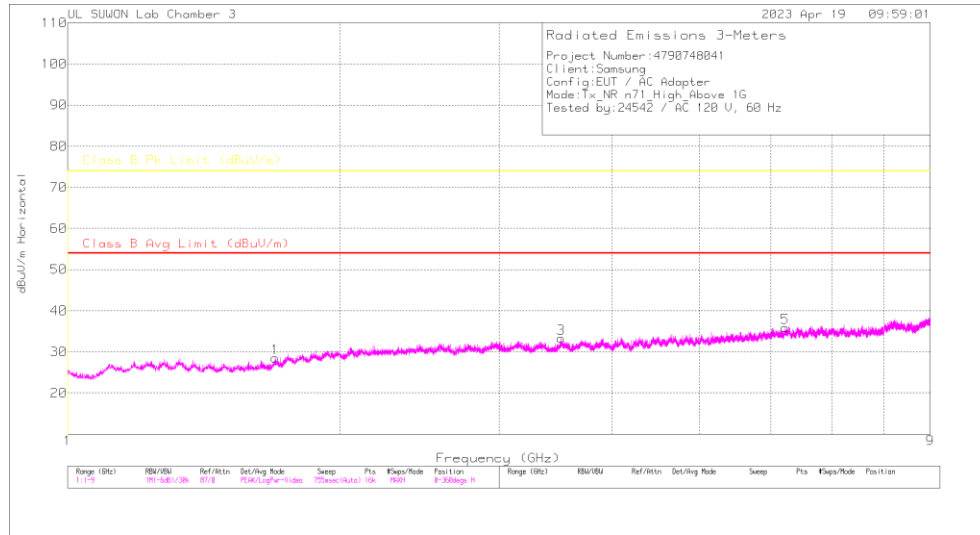
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	1-18GHz(dB)	1GHz_HP[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
2.04	55.06	Pk	31.3	-35.1	.6	51.86	-	-	74	-22.14	233	289	H
2.041	52.59	Pk	31.3	-35.1	.6	49.39	-	-	74	-24.61	203	287	V
2.041	41.06	Ca	31.3	-35.1	.6	37.86	54	-16.14	-	-	203	287	V
2.04	44.25	Ca	31.3	-35.1	.6	41.05	54	-12.95	-	-	233	289	H
3.7155	40.25	Pk	33.3	-32.8	.6	41.35	-	-	74	-32.65	0	100	H
3.7155	27.78	Ca	33.3	-32.8	.6	28.88	54	-25.12	-	-	0	100	H
3.723	39.87	Pk	33.3	-32.8	.6	40.97	-	-	74	-33.03	0	100	V
3.723	27.52	Ca	33.3	-32.8	.6	28.62	54	-25.38	-	-	0	100	V
6.274	36.71	Pk	36	-28.8	.5	44.41	-	-	74	-29.59	0	100	H
6.274	23.91	Ca	36	-28.8	.5	31.61	54	-22.39	-	-	0	100	H
6.2815	36.59	Pk	36	-28.8	.5	44.29	-	-	74	-29.71	0	100	V
6.2815	23.88	Ca	36	-28.8	.5	31.58	54	-22.42	-	-	0	100	V

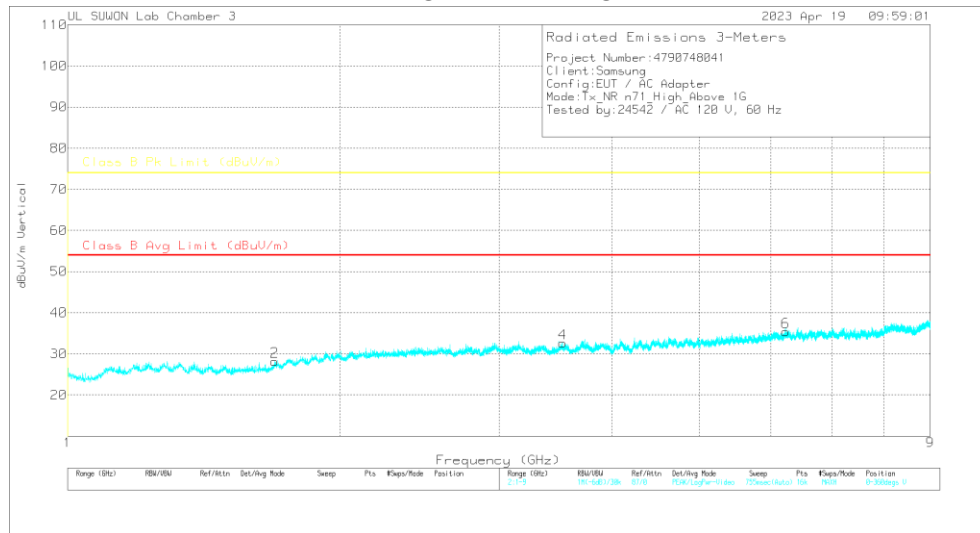
Pk - Peak detector
Ca - CISPR average detection

HIGH CHANNEL(647 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Radiated Emissions

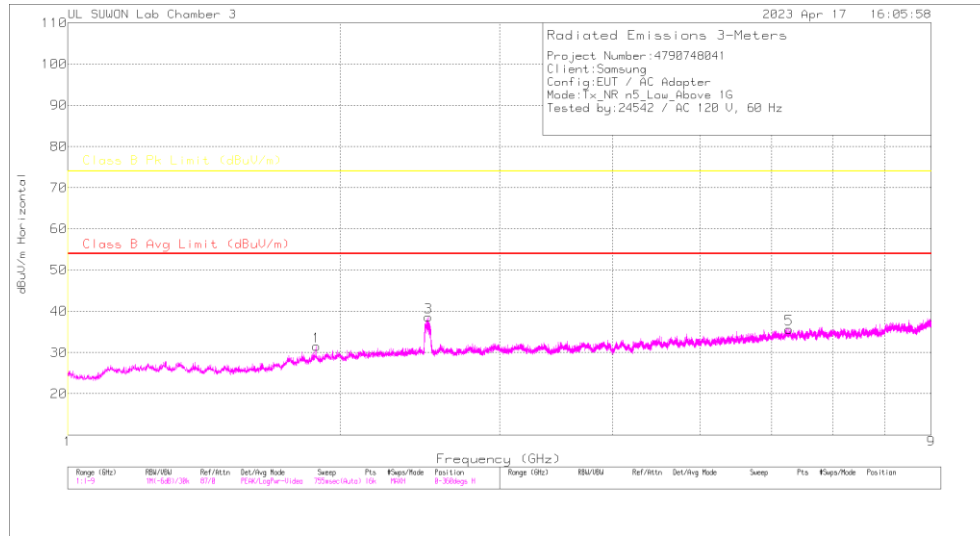
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	1-18GHz(dB)	1GHz_HP[dB]	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.697	42.24	Pk	29	-35.5	.7	36.44	-	-	74	-37.56	0	100	H
1.697	29.57	Ca	29	-35.5	.7	23.77	-	-30.23	-	-	0	100	H
1.6935	41.58	Pk	28.9	-35.5	.7	35.68	-	-	74	-38.32	0	100	V
1.6935	29.46	Ca	28.9	-35.5	.7	23.56	-	-30.44	-	-	0	100	V
3.5155	39.93	Pk	33	-33.3	.6	40.23	54	-30.44	74	-33.77	0	100	H
3.5155	27.88	Ca	33	-33.3	.6	28.18	54	-25.82	-	-	0	100	H
3.528	40.12	Pk	33.1	-33.4	.6	40.42	-	-	74	-33.58	0	100	V
3.528	27.74	Ca	33.1	-33.4	.6	28.04	54	-25.96	-	-	0	100	V
6.222	35.42	Pk	36	-29	.5	42.92	-	-	74	-31.08	0	100	H
6.222	23.73	Ca	36	-29	.5	31.23	54	-22.77	-	-	0	100	H
6.227	35.71	Pk	36	-28.9	.5	43.31	-	-	74	-30.69	0	100	V
6.227	23.72	Ca	36	-28.9	.5	31.32	54	-22.68	-	-	0	100	V

Pk - Peak detector
Ca - CISPR average detection

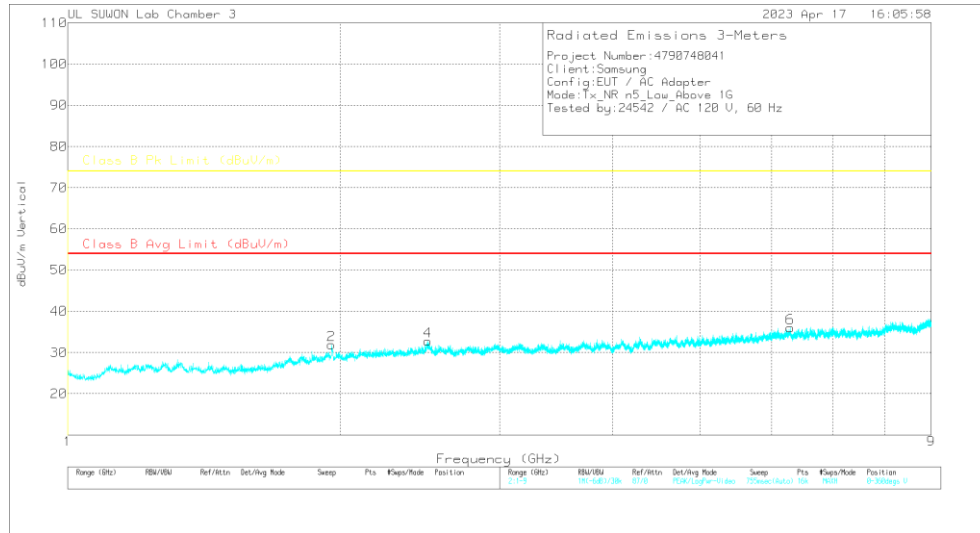
7.1.10.Above 1 GHz in the 5G NR n5

LOW CHANNEL(874.0 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

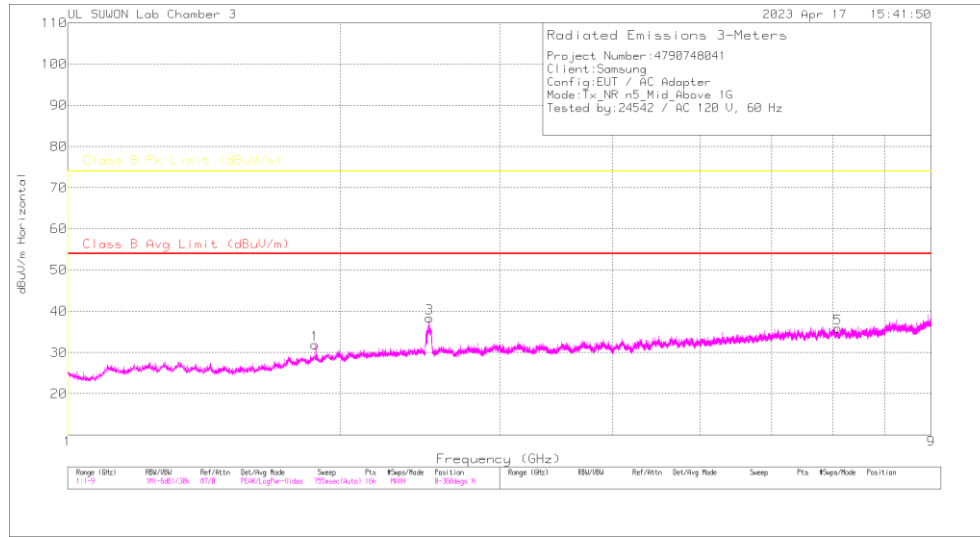
Radiated Emissions

Frequency (GHz)	Meter Reading (dBUV)	Det	3117_00218957	1-18GHz(dB)	1GHz_HP[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
1.884	33.47	Pk	30.8	-35.3	.7	29.67	-	-	74	-44.33	0	100	H
1.884	21.73	Ca	30.8	-35.3	.7	17.93	54	-36.07	-	-	0	100	H
1.9565	43.57	Pk	31	-35.2	.6	39.97	-	-	74	-34.03	0	100	V
1.9565	30.81	Ca	31	-35.2	.6	27.21	54	-26.79	-	-	0	100	V
2.504	30.38	Pk	32.4	-34.7	.7	28.78	-	-	74	-45.22	0	100	H
2.504	19.42	Ca	32.4	-34.7	.7	17.82	54	-36.18	-	-	0	100	H
2.499	41.62	Pk	32.4	-34.7	.7	40.02	-	-	74	-33.98	0	100	V
2.499	28.6	Ca	32.4	-34.7	.7	27	54	-27	-	-	0	100	V
6.271	26.25	Pk	36	-28.8	.5	33.95	-	-	74	-40.05	0	100	H
6.271	14.59	Ca	36	-28.8	.5	22.29	54	-31.71	-	-	0	100	H
6.289	35.76	Pk	36	-28.9	.5	43.36	-	-	74	-30.64	0	100	V
6.289	23.59	Ca	36	-28.9	.5	31.19	54	-22.81	-	-	0	100	V

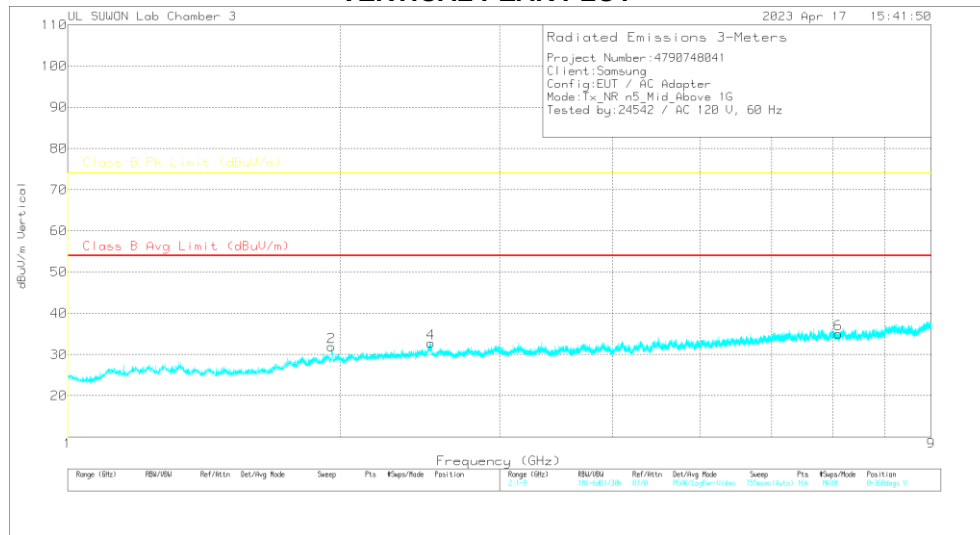
Pk - Peak detector
Ca - CISPR average detection

MID CHANNEL(881.5 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

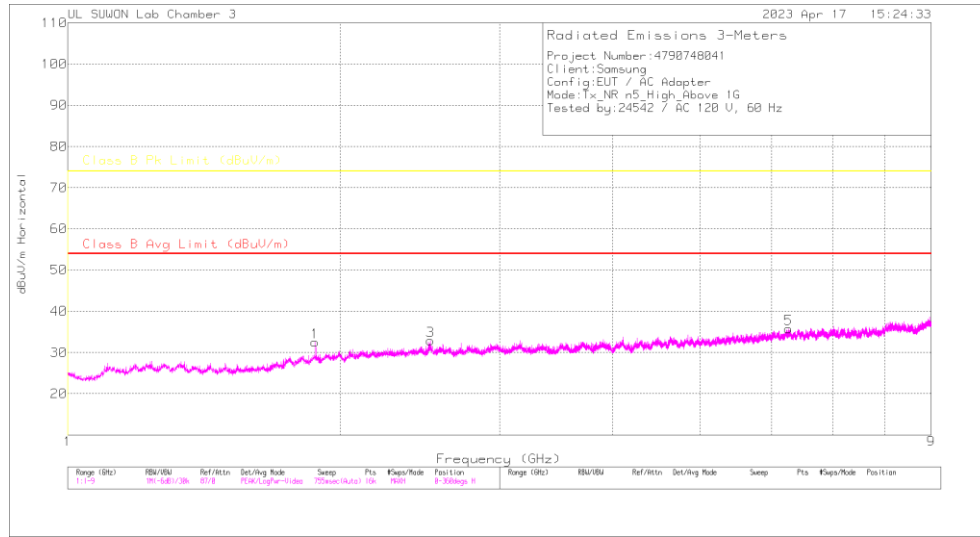
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	1-18GHz(dB)	1GHz_HP[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
1.876	35.6	Pk	30.7	-35.3	.7	31.7	-	-	74	-42.3	0	100	H
1.876	22.7	Ca	30.7	-35.3	.7	18.8	54	-35.2	-	-	0	100	H
1.957	43.11	Pk	31	-35.2	.6	39.51	-	-	74	-34.49	0	100	V
1.957	30.76	Ca	31	-35.2	.6	27.16	54	-26.84	-	-	0	100	V
2.511	31.19	Pk	32.4	-34.6	.7	29.69	-	-	74	-44.31	0	100	H
2.511	19.5	Ca	32.4	-34.6	.7	18	54	-36	-	-	0	100	H
2.5195	40.83	Pk	32.4	-34.6	.7	39.33	-	-	74	-34.67	0	100	V
2.5195	28.62	Ca	32.4	-34.6	.7	27.12	54	-26.88	-	-	0	100	V
7.0975	23.38	Pk	35.9	-26.8	.5	32.98	-	-	74	-41.02	0	100	H
7.0975	12.44	Ca	35.9	-26.8	.5	22.04	54	-31.96	-	-	0	100	H
7.105	34.15	Pk	35.9	-26.8	.5	43.75	-	-	74	-30.25	0	100	V
7.105	21.19	Ca	35.9	-26.8	.5	30.79	54	-23.21	-	-	0	100	V

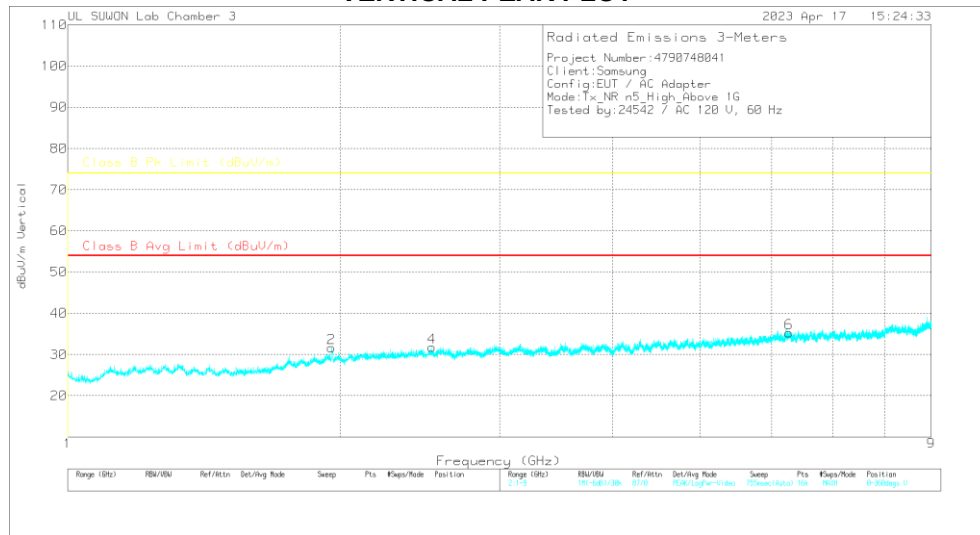
Pk - Peak detector
Ca - CISPR average detection

HIGH CHANNEL(889.0 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Radiated Emissions

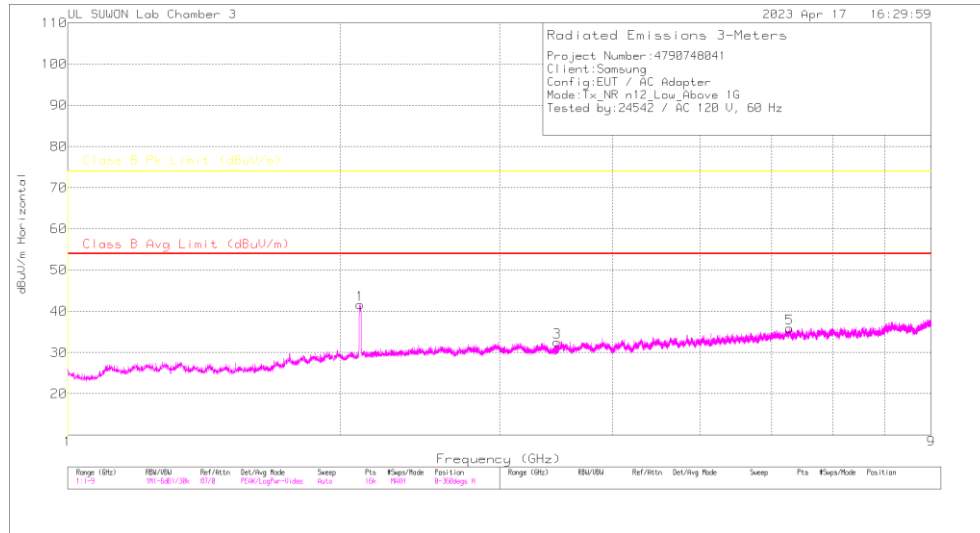
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	1-18GHz(dB)	1GHz_HP[dB]	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.876	42.77	Pk	30.7	-35.3	.7	38.87	-	-	74	-35.13	0	100	H
1.876	30.09	Ca	30.7	-35.3	.7	26.19	54	-27.81	-	-	0	100	H
1.956	42.58	Pk	31	-35.2	.6	38.98	-	-	74	-35.02	0	100	V
1.956	30.74	Ca	31	-35.2	.6	27.14	54	-26.86	-	-	0	100	V
2.5175	41.05	Pk	32.4	-34.7	.7	39.45	-	-	74	-34.55	0	100	H
2.5175	28.42	Ca	32.4	-34.7	.7	26.62	54	-27.18	-	-	0	100	H
2.5265	40.78	Pk	32.4	-34.6	.7	39.28	-	-	74	-34.72	0	100	V
2.5265	28.39	Ca	32.4	-34.6	.7	26.89	54	-27.11	-	-	0	100	V
6.257	35.99	Pk	36	-28.8	.5	43.69	-	-	74	-30.31	0	100	H
6.257	23.17	Ca	36	-28.8	.5	30.87	54	-23.13	-	-	0	100	H
6.2715	36.09	Pk	36	-28.9	.5	43.69	-	-	74	-30.31	0	100	V
6.2715	23.42	Ca	36	-28.9	.5	31.02	54	-22.98	-	-	0	100	V

Pk - Peak detector
Ca - CISPR average detection

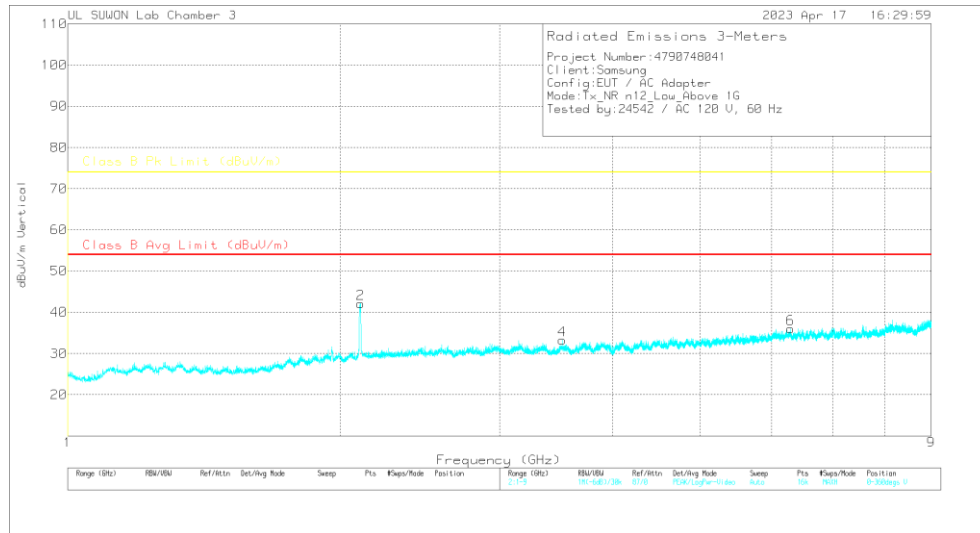
7.1.11.Above 1 GHz in the 5G NR n12

LOW CHANNEL(731.5 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Radiated Emissions

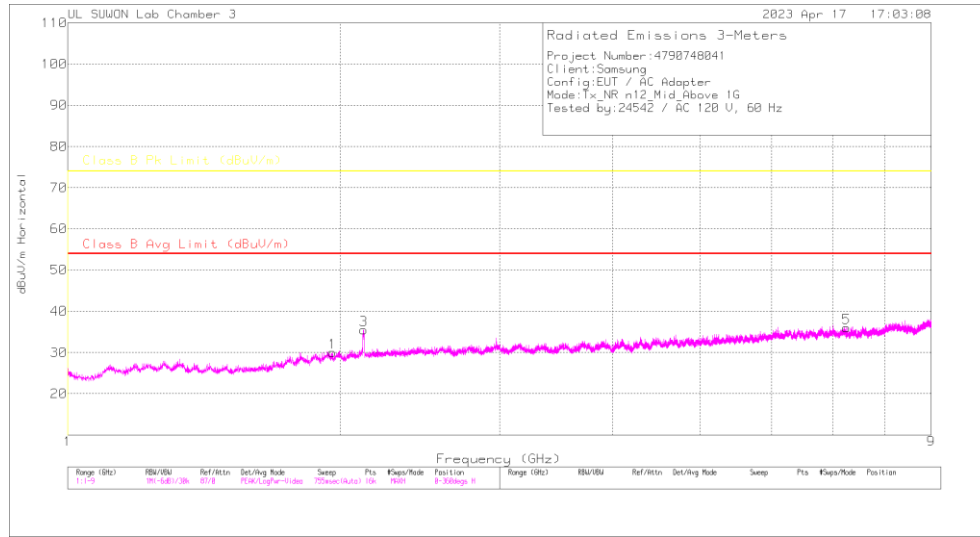
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	1-18GHz(dB)	1GHz_HP[dB]	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.105	48.27	Pk	31.5	-34.9	.7	45.57	-	-	74	-28.43	161	112	H
2.105	37.37	Ca	31.5	-34.9	.7	34.67	54	-19.33	-	-	161	112	H
2.107	40.07	Pk	31.5	-34.9	.7	37.37	-	-	74	-36.63	216	100	V
2.107	28.68	Ca	31.5	-34.9	.7	25.98	54	-28.02	-	-	216	100	V
3.4725	40.73	Pk	32.9	-33.5	.6	40.73	-	-	74	-33.27	0	100	H
3.4725	26.92	Ca	32.9	-33.5	.6	26.92	54	-27.08	-	-	0	100	H
3.5205	30.14	Pk	33	-33.3	.6	30.44	-	-	74	-43.56	0	100	V
3.5205	18.89	Ca	33	-33.3	.6	19.19	54	-34.81	-	-	0	100	V
6.2785	36.06	Pk	36	-28.8	.5	43.76	-	-	74	-30.24	0	100	H
6.2785	23.63	Ca	36	-28.8	.5	31.33	54	-22.67	-	-	0	100	H
6.2905	27.47	Pk	36	-28.9	.5	35.07	-	-	74	-38.93	0	100	V
6.2905	14.69	Ca	36	-28.9	.5	22.29	54	-31.71	-	-	0	100	V

Pk - Peak detector

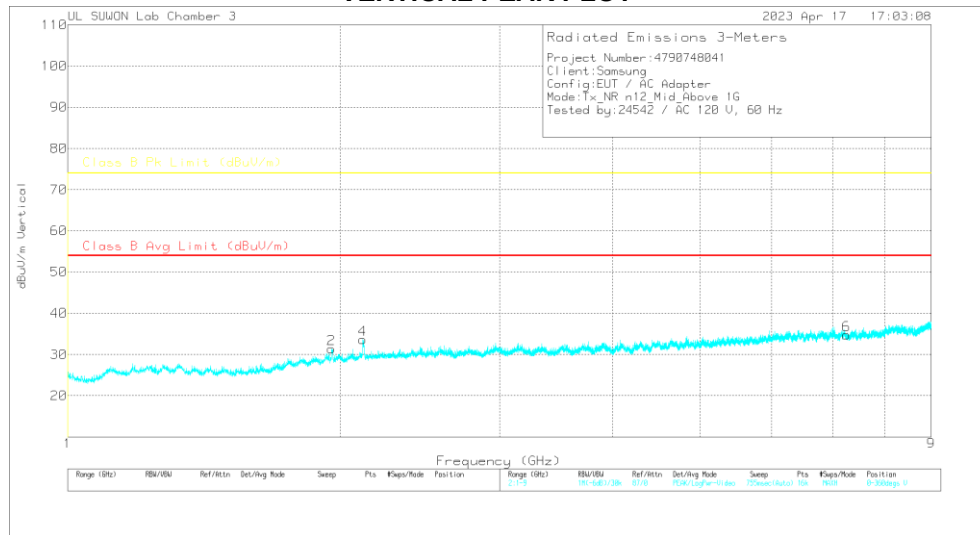
Ca - CISPR average detection

MID CHANNEL(737.5 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

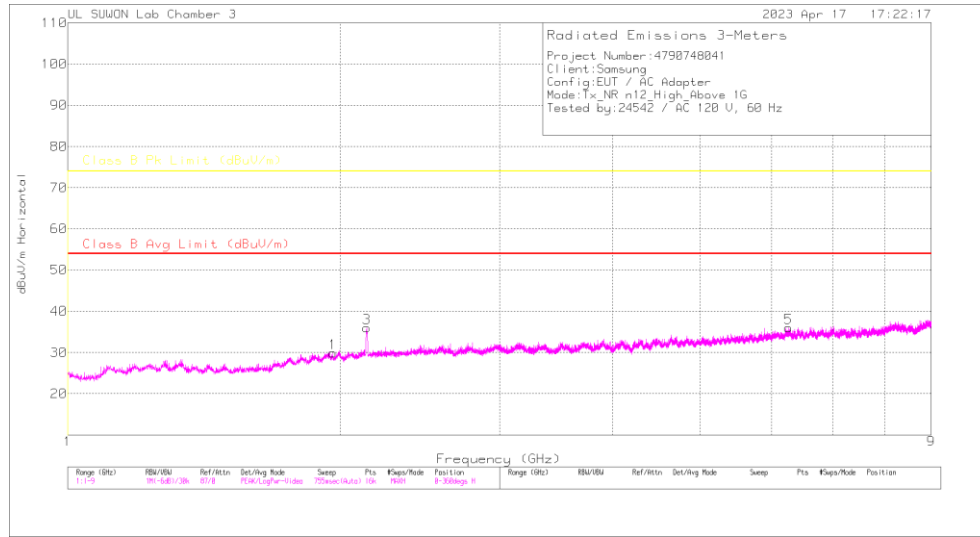
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	1-18GHz(dB)	1GHz_HP[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
1.9605	41.3	Pk	31	-35.2	.6	37.7	-	-	74	-36.3	0	100	H
1.9605	28.7	Ca	31	-35.2	.6	25.1	54	-28.9	-	-	0	100	H
1.956	33.64	Pk	31	-35.2	.6	30.04	-	-	74	-43.96	0	100	V
1.956	21.99	Ca	31	-35.2	.6	18.39	54	-35.61	-	-	0	100	V
2.125	42.82	Pk	31.5	-34.8	.7	40.22	-	-	74	-33.78	0	100	H
2.125	31.34	Ca	31.5	-34.8	.7	28.74	54	-25.26	-	-	0	100	H
2.1185	30.9	Pk	31.5	-34.9	.7	28.2	-	-	74	-45.8	0	100	V
2.1185	20.17	Ca	31.5	-34.9	.7	17.47	54	-36.53	-	-	0	100	V
7.254	33.24	Pk	35.8	-26.4	.5	43.14	-	-	74	-30.86	0	100	H
7.254	20.86	Ca	35.8	-26.4	.5	30.76	54	-23.24	-	-	0	100	H
7.257	23.27	Pk	35.8	-26.4	.5	33.17	-	-	74	-40.83	0	100	V
7.257	11.92	Ca	35.8	-26.4	.5	21.82	54	-32.18	-	-	0	100	V

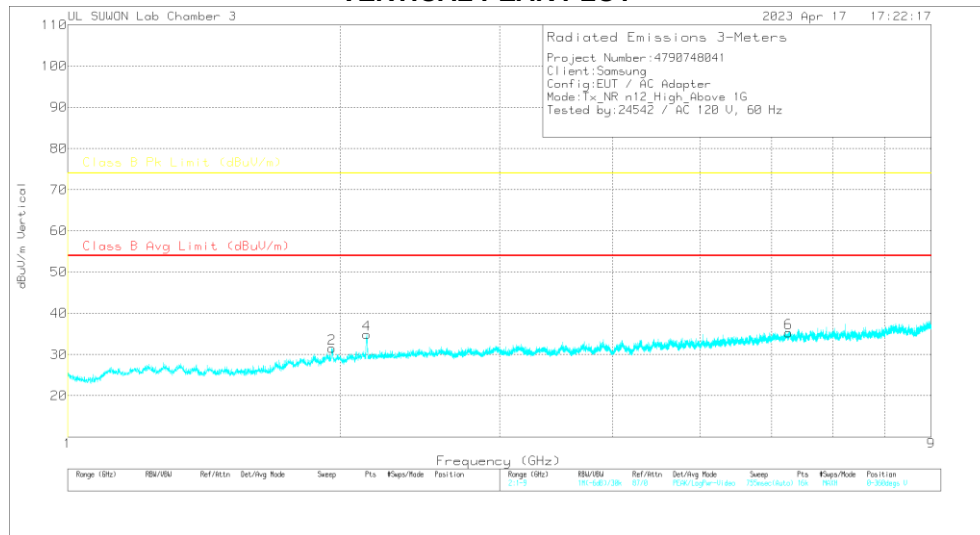
Pk - Peak detector
Ca - CISPR average detection

HIGH CHANNEL(743.5 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Radiated Emissions

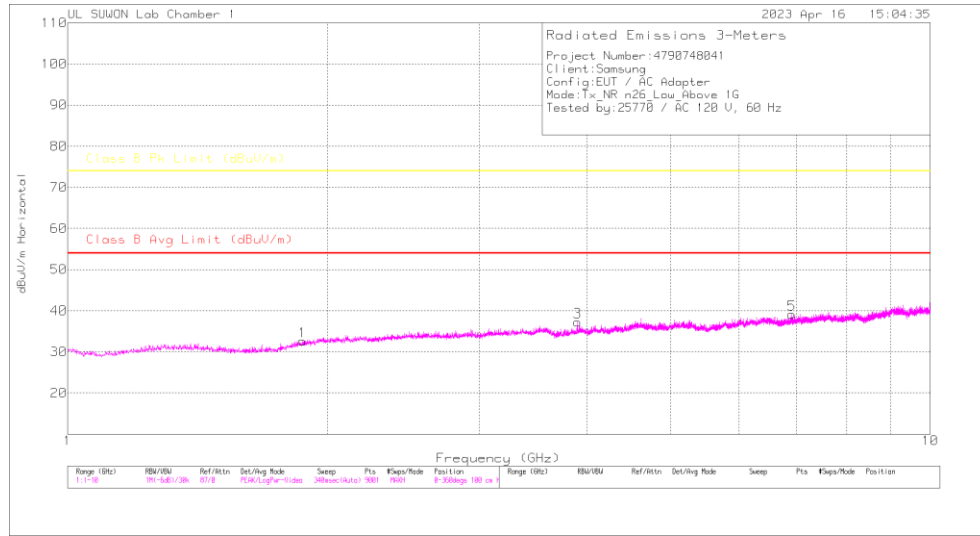
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	1-18GHz(dB)	1GHz_HP[dB]	Corrected Reading (dBuV/m)	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.9635	41.19	Pk	31	-35.2	.6	37.59	-	-	74	-36.41	0	100	H
1.9635	28.68	Ca	31	-35.2	.6	25.08	54	-28.92	-	-	0	100	H
1.958	43.34	Pk	31	-35.2	.6	39.74	-	-	74	-34.26	0	100	V
1.958	30.77	Ca	31	-35.2	.6	27.17	54	-26.83	-	-	0	100	V
2.1395	44.64	Pk	31.5	-34.7	.7	42.14	-	-	74	-31.86	0	100	H
2.1395	32.74	Ca	31.5	-34.7	.7	30.24	54	-23.76	-	-	0	100	H
2.1415	41.39	Pk	31.5	-34.7	.7	38.89	-	-	74	-35.11	0	100	V
2.1415	28.54	Ca	31.5	-34.7	.7	26.04	54	-27.96	-	-	0	100	V
6.257	36.41	Pk	36	-28.8	.5	44.11	-	-	74	-29.89	0	100	V
6.2565	35.44	Pk	36	-28.8	.5	43.14	-	-	74	-30.86	0	100	H
6.2565	23.26	Ca	36	-28.8	.5	30.96	54	-23.04	-	-	0	100	H
6.257	23.29	Ca	36	-28.8	.5	30.99	54	-23.01	-	-	0	100	V

Pk - Peak detector
Ca - CISPR average detection

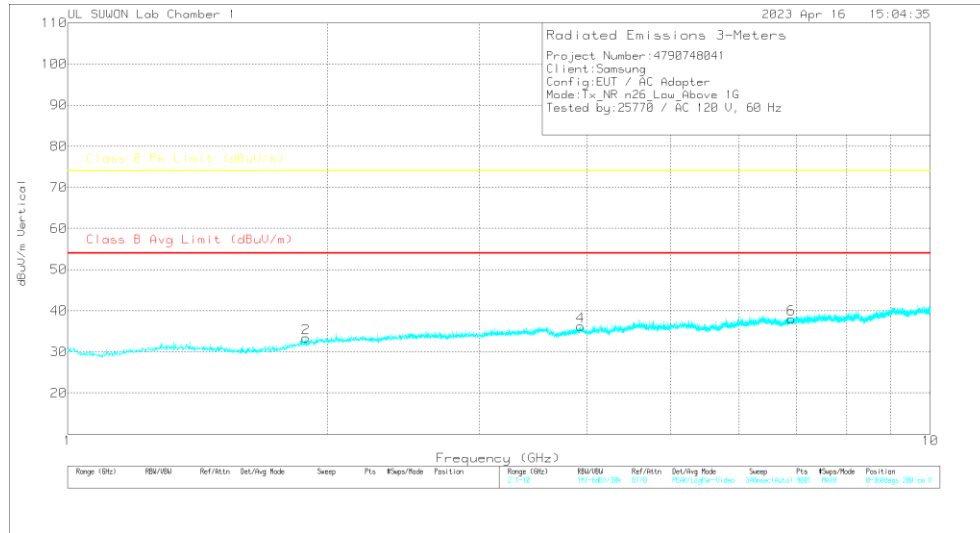
7.1.12.Above 1 GHz in the 5G NR n26

LOW CHANNEL(871.5 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

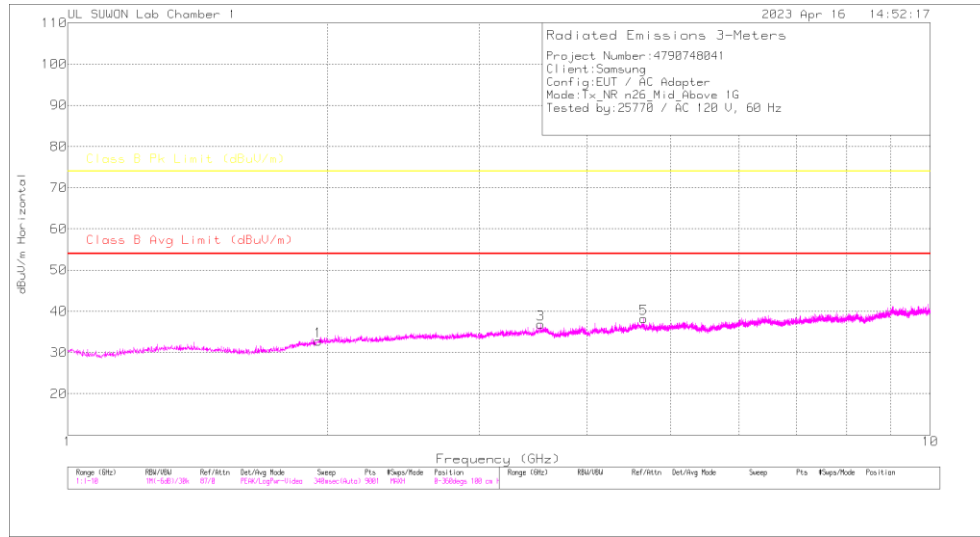
Radiated Emissions

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
1.871	47.32	Pk	30.5	-38.7	.6	39.72	-	-26.32	74	-34.28	0	100	H
1.871	35.28	Ca	30.5	-38.7	.6	27.68	54	-	-	-	0	100	H
1.888	47.28	Pk	30.6	-38.6	.6	39.88	-	-	74	-34.12	0	100	V
1.888	35.19	Ca	30.6	-38.6	.6	27.79	54	-26.21	-	-	0	100	V
3.901	42.71	Pk	34	-34.7	.6	42.61	-	-	74	-31.39	0	100	H
3.901	30.86	Ca	34	-34.7	.6	30.76	54	-23.24	-	-	0	100	H
3.934	44.06	Pk	34	-34.6	.5	43.96	-	-	74	-30.04	0	100	V
3.934	30.94	Ca	34	-34.6	.5	30.84	54	-23.16	-	-	0	100	V
6.907	40.12	Pk	35.6	-30.9	.4	45.22	-	-	74	-28.78	0	100	H
6.907	28.44	Ca	35.6	-30.9	.4	33.54	54	-20.46	-	-	0	100	H
6.905	39.98	Pk	35.6	-30.9	.4	45.08	-	-	74	-28.92	0	100	V
6.905	28.45	Ca	35.6	-30.9	.4	33.55	54	-20.45	-	-	0	100	V

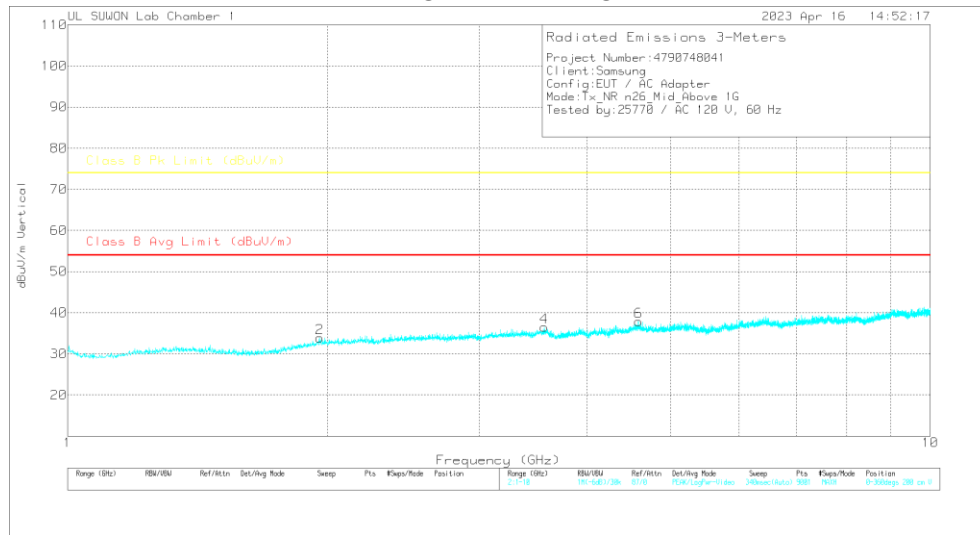
Pk - Peak detector
Ca - CISPR average detection

MID CHANNEL(876.5 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

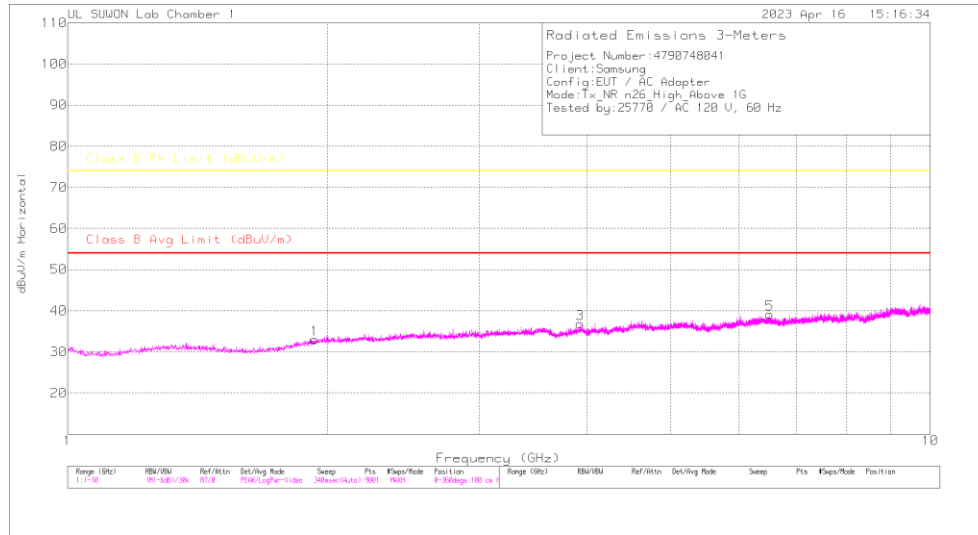
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016871 7	1-18GHz(dB)	1G HPF[dB]	Corrected Residualing 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
1.953	47.58	Pk	31.2	-38.5	.6	40.88	-	-	74	-33.12	0	100	H
1.953	35.2	Ca	31.2	-38.5	.6	28.5	-	-25.5	-	-	0	100	H
1.96	47.57	Pk	31.2	-38.5	.6	40.87	-	-	74	-33.13	0	100	V
1.96	35.24	Ca	31.2	-38.5	.6	28.54	-	-25.46	-	-	0	100	V
3.537	44.94	Pk	33.3	-35.5	.5	43.24	-	-	74	-30.76	0	100	H
3.537	32.62	Ca	33.3	-35.5	.5	30.92	-	-23.08	-	-	0	100	H
3.568	44.35	Pk	33.5	-35.5	.6	42.95	-	-	74	-31.05	0	100	V
3.568	32.37	Ca	33.5	-35.5	.6	30.97	-	-23.03	-	-	0	100	V
4.653	43.64	Pk	34.3	-34.2	.4	44.14	-	-	74	-29.86	0	100	H
4.653	31.58	Ca	34.3	-34.2	.4	32.08	-	-21.92	-	-	0	100	H
4.591	43.1	Pk	34.3	-34.4	.4	43.4	-	-	74	-30.6	0	100	V
4.591	31.35	Ca	34.3	-34.4	.4	31.65	-	-22.35	-	-	0	100	V

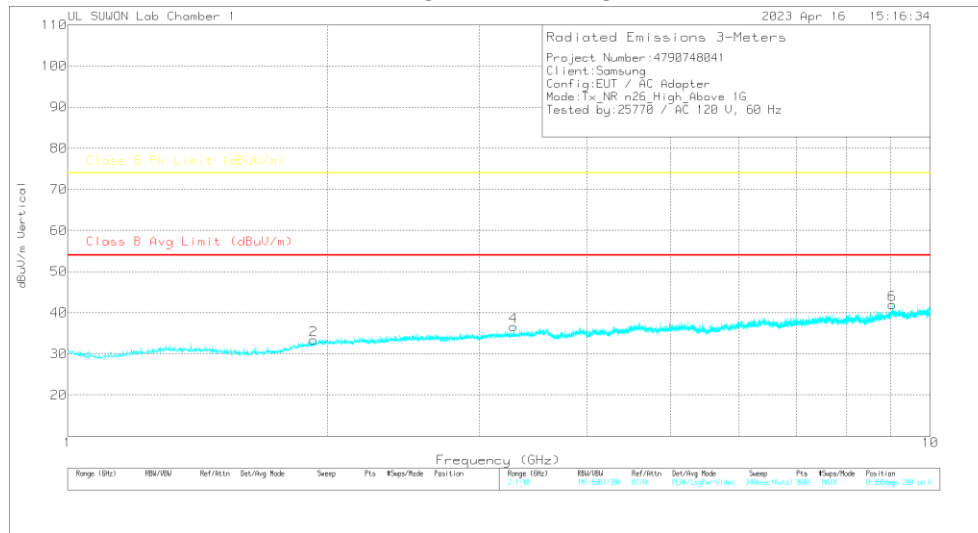
Pk - Peak detector
Ca - CISPR average detection

HIGH CHANNEL(891.5 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Radiated Emissions

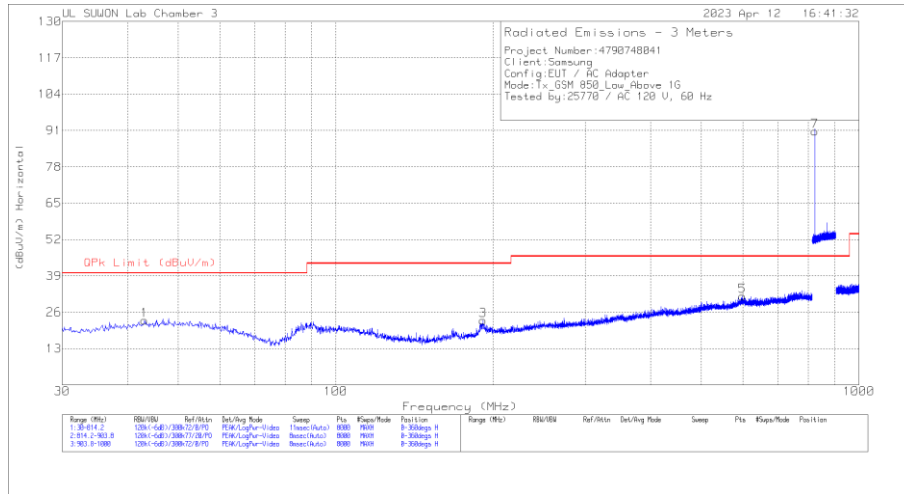
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016871 7	1-18GHz(dB)	1G HPF[dB]	Corrected Reading (dBuV/m)	Class B Avg Limit (dBuV/m)	Av(CISPR)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.934	47.36	Pk	31	-38.6	.7	40.46	-	-	74	-33.54	0	100	H
1.934	35.03	Ca	31	-38.6	.7	28.13	-	-25.87	-	-	0	100	H
1.928	47.2	Pk	31	-38.6	.7	40.3	-	-	74	-33.7	0	100	V
1.928	35.05	Ca	31	-38.6	.7	28.15	-	-25.85	-	-	0	100	V
3.928	42.84	Pk	34	-34.6	.5	42.74	-	-	74	-31.26	0	100	H
3.928	30.93	Ca	34	-34.6	.5	30.83	-	-23.17	-	-	0	100	H
3.287	45.17	Pk	33	-36.5	.6	42.27	-	-	74	-31.73	0	100	V
3.287	33.26	Ca	33	-36.5	.6	30.36	-	-23.64	-	-	0	100	V
6.518	40.98	Pk	35.3	-31.3	.4	45.38	-	-	74	-28.62	0	100	H
6.518	28.94	Ca	35.3	-31.3	.4	33.34	-	-20.66	-	-	0	100	H
9.034	39.24	Pk	36.5	-28.4	.7	48.04	-	-	74	-25.96	0	100	V
9.034	27.26	Ca	36.5	-28.4	.7	36.06	-	-17.94	-	-	0	100	V

Pk - Peak detector
Ca - CISPR average detection

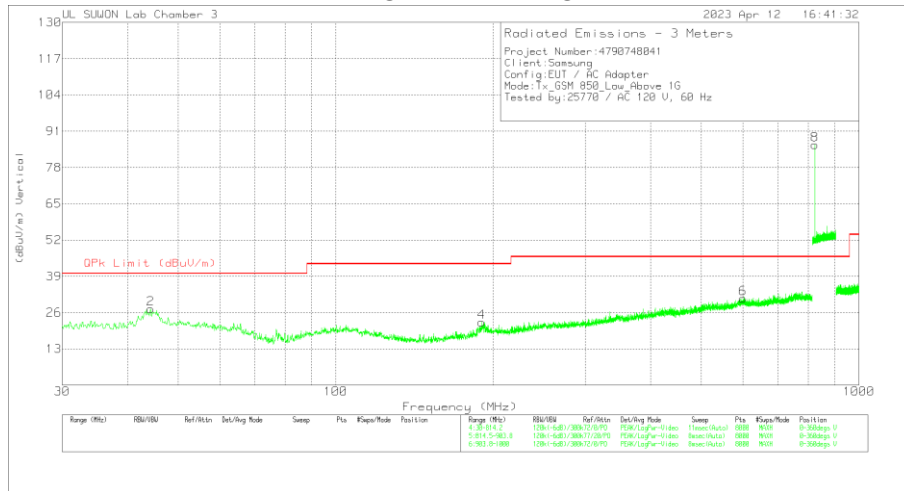
7.1.13.Below 1 GHz in the GSM850

LOW CHANNEL(869.2 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

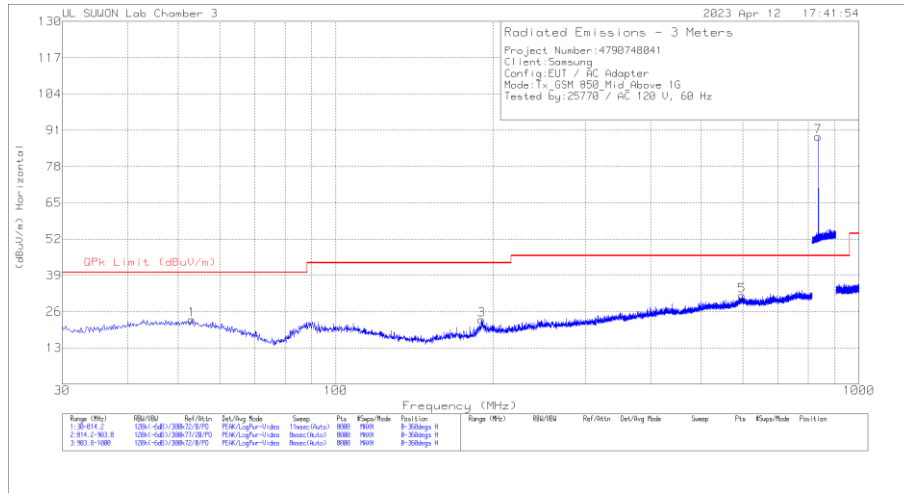
Marker	Frequency (MHz)	Meter Reading (dBUV)	Det	VULB9163_845	Below_1G_Bypass (dB)	Corrected Reading (dBUV/m)	QPk Limit (dBUV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	43.137	2.83	Pk	19.4	.9	23.13	40	-16.87	0-360	400	H
3	191.1728	4.99	Pk	16.2	1.9	23.09	43.52	-20.43	0-360	200	H
5	599.3989	3.99	Pk	24.3	3.4	31.69	46.02	-14.33	0-360	200	H
7	824.2025	60.64	Pk	26.1	4	90.74	46.02	44.72	0-360	100	H
2	44.3134	6.98	Pk	19.5	.9	27.38	40	-12.62	0-360	100	V
4	190.1925	4.59	Pk	16.1	1.9	22.59	43.52	-20.93	0-360	100	V
6	600.3793	3.39	Pk	24.3	3.4	31.09	46.02	-14.93	0-360	100	V
8	824.2127	55.98	Pk	26.1	4	86.08	46.02	40.06	0-360	200	V

Pk - Peak detector

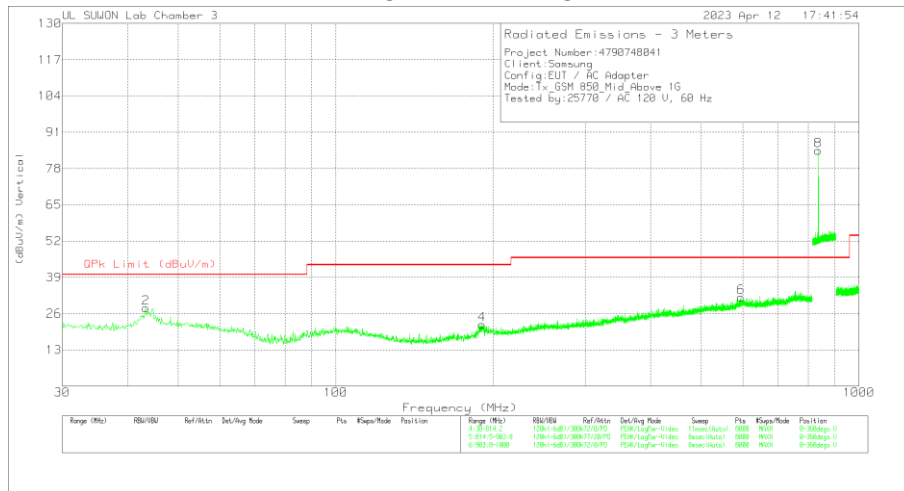
Note: Unwanted emissions captured from 824MHz to 849MHz and from 869MHz to 894MHz were the TX and RX signals generated from the call-simulator.

MID CHANNEL(881.6 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

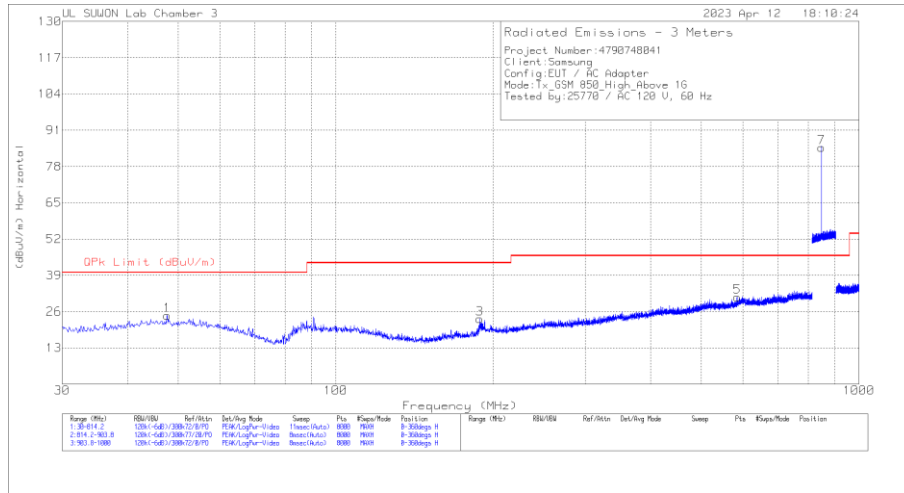
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_845	Below_1G_Bypass (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	53.1367	2.58	Pk	19.6	1	23.18	40	-16.82	0-360	300	H
3	189.8983	5.12	Pk	16.1	1.9	23.12	43.52	-20.4	0-360	100	H
5	597.4382	4.08	Pk	24.3	3.4	31.78	46.02	-14.24	0-360	300	H
7	836.602	58.43	Pk	26.3	4	88.73	46.02	42.71	0-360	100	H
2	43.333	7.68	Pk	19.4	.9	27.98	40	-12.02	0-360	200	V
4	190.3885	4.15	Pk	16.1	1.9	22.15	43.52	-21.37	0-360	200	V
6	595.3794	4.29	Pk	24.3	3.4	31.99	46.02	-14.03	0-360	400	V
8	836.6047	54.12	Pk	26.3	4	84.42	46.02	38.4	0-360	200	V

Pk - Peak detector

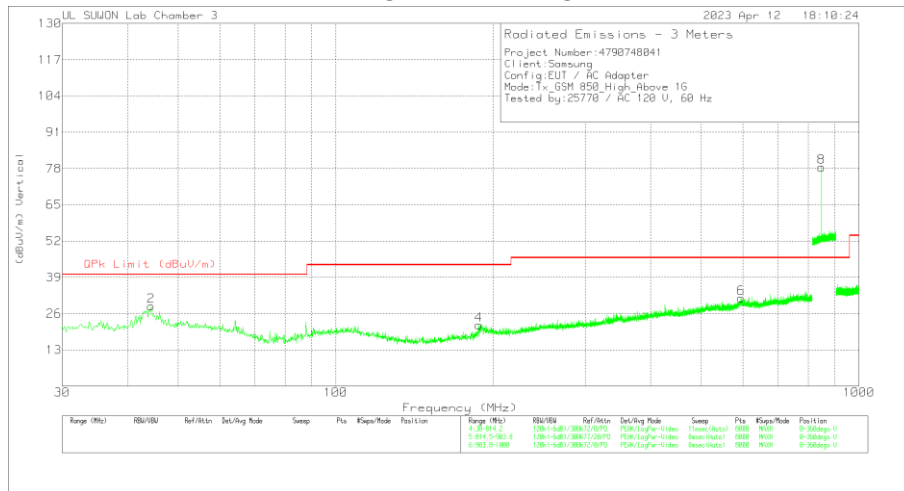
Note: Unwanted emissions captured from 824MHz to 849MHz and from 869MHz to 894MHz were the TX and RX signals generated from the call-simulator.

HIGH CHANNEL(893.8 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_845	Below_1G_Bypass (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	47.6467	4.01	Pk	19.8	.9	24.71	40	-15.29	0-360	100	H
3	188.4278	5.74	Pk	15.8	1.9	23.44	43.52	-20.08	0-360	100	H
5	584.7914	4.12	Pk	23.9	3.3	31.32	46.02	-14.7	0-360	100	H
7	848.8223	54.2	Pk	26.6	4	84.8	46.02	38.78	0-360	200	H
2	44.4114	8.34	Pk	19.5	.9	28.74	40	-11.26	0-360	200	V
4	187.5455	4.34	Pk	15.8	1.8	21.94	43.52	-21.58	0-360	200	V
6	595.7715	3.84	Pk	24.3	3.4	31.54	46.02	-14.48	0-360	300	V
8	848.807	47.85	PK	26.6	4	78.45	46.02	32.43	0-360	100	V

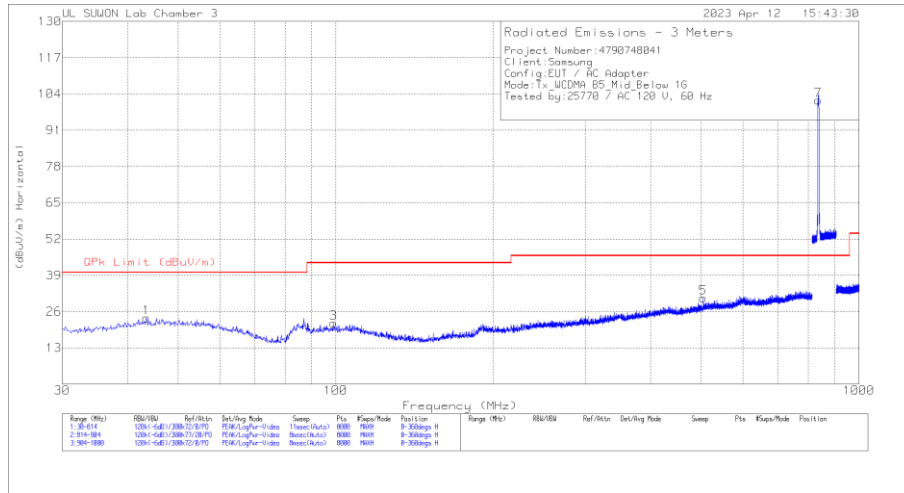
Pk - Peak detector

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

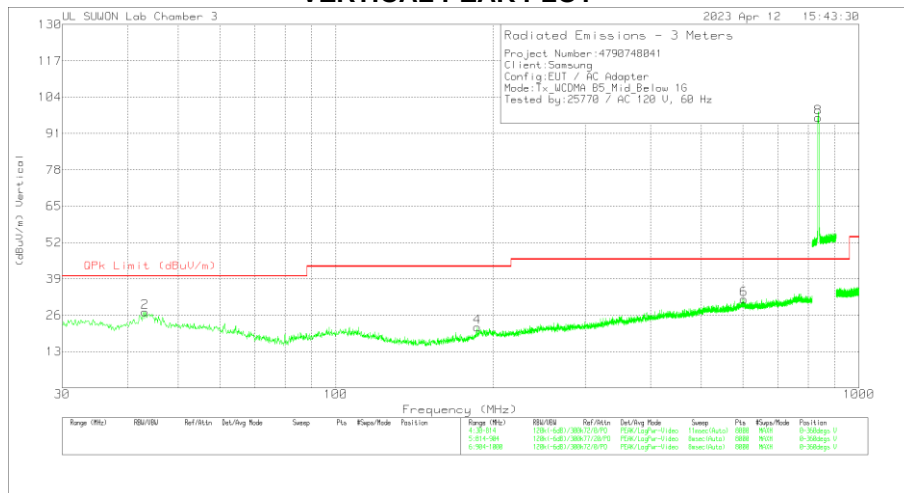
7.1.14.Below 1 GHz in the WCDMA Band 5

MID CHANNEL(881.6 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_845	Below_1G_Bypass (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	43.4276	3.41	Pk	19.4	.9	23.71	40	-16.29	0-360	200	H
3	98.9024	3.41	Pk	17.2	1.3	21.91	43.52	-21.61	0-360	200	H
5	504.2801	5.22	Pk	22.6	3.1	30.92	46.02	-15.1	0-360	200	H
7	836.6595	71.5	Pk	26.3	4	101.8	46.02	55.78	0-360	200	H
2	43.2316	6.83	Pk	19.4	.9	27.13	40	-12.87	0-360	200	V
4	186.3291	4.39	Pk	15.6	1.8	21.79	43.52	-21.73	0-360	200	V
6	602.4881	4.05	Pk	24.3	3.4	31.75	46.02	-14.27	0-360	400	V
8	836.637	66.38	Pk	26.3	4	96.68	46.02	50.66	0-360	100	V

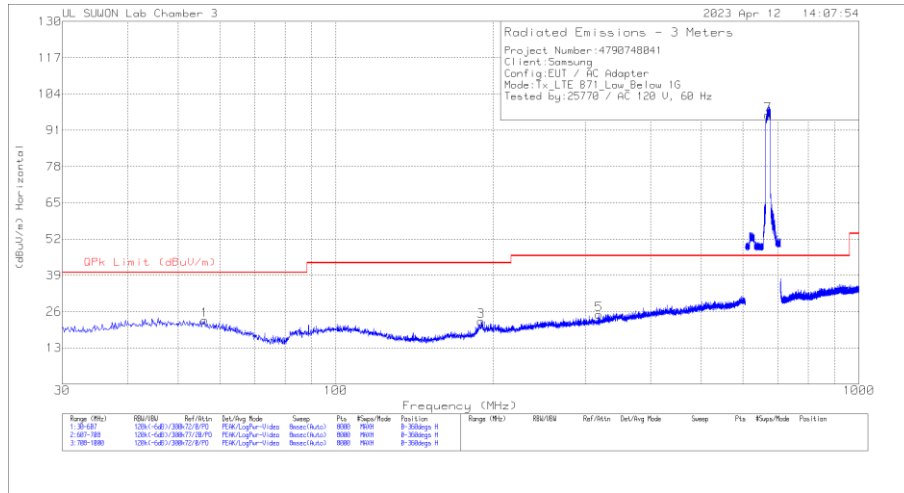
Pk - Peak detector

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

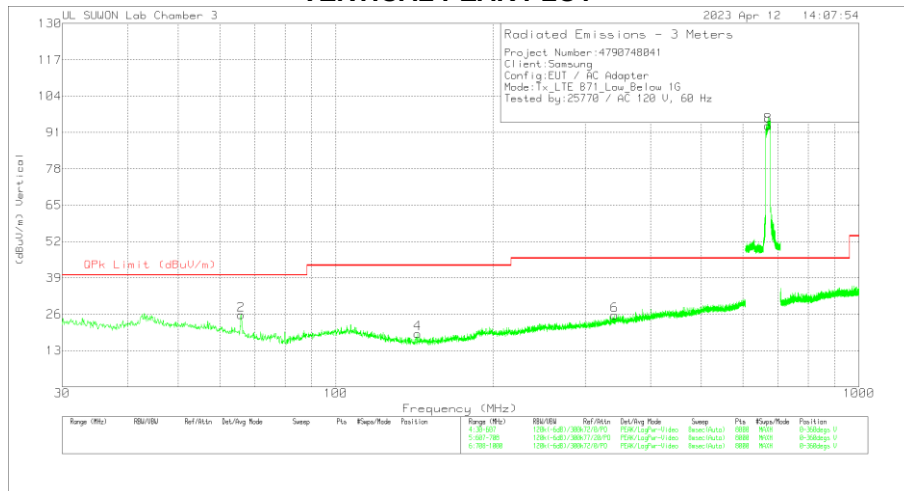
7.1.15.Below 1 GHz in the LTE Band 71

LOW CHANNEL(662 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

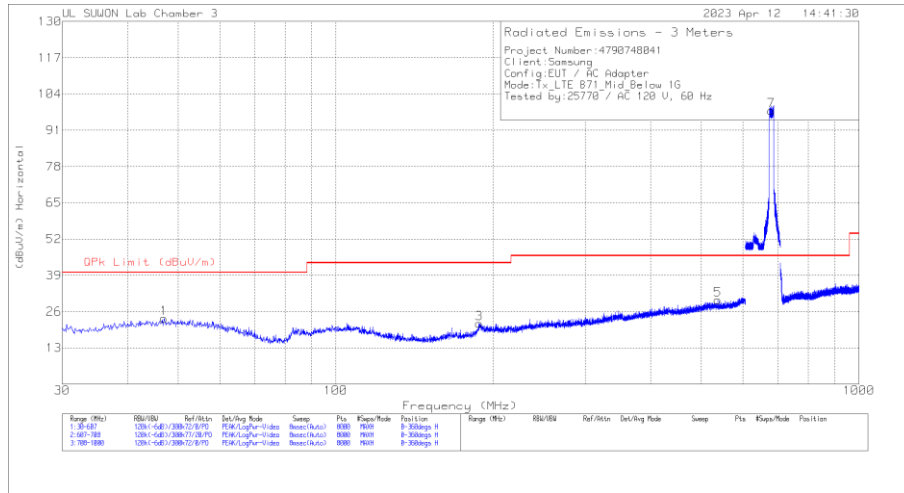
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_845	Below_1G_Bypass (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	56.1846	2.81	Pk	19.2	1	23.01	40	-16.99	0-360	100	H
3	189.7768	4.54	Pk	16.1	1.9	22.54	43.52	-20.98	0-360	100	H
5	318.4639	3.4	Pk	19.1	2.4	24.9	46.02	-21.12	0-360	300	H
7	670.5517	68.37	Pk	24.5	3.6	96.47	46.02	50.45	0-360	400	H
2	65.9227	8.19	Pk	16.5	1.1	25.79	40	-14.21	0-360	400	V
4	143.3946	3.93	Pk	13.6	1.6	19.13	43.52	-24.39	0-360	200	V
6	341.1139	3.03	Pk	20.2	2.5	25.73	46.02	-20.29	0-360	400	V
8	670.5012	65.32	Pk	24.5	3.6	93.42	46.02	47.4	0-360	100	V

Pk - Peak detector

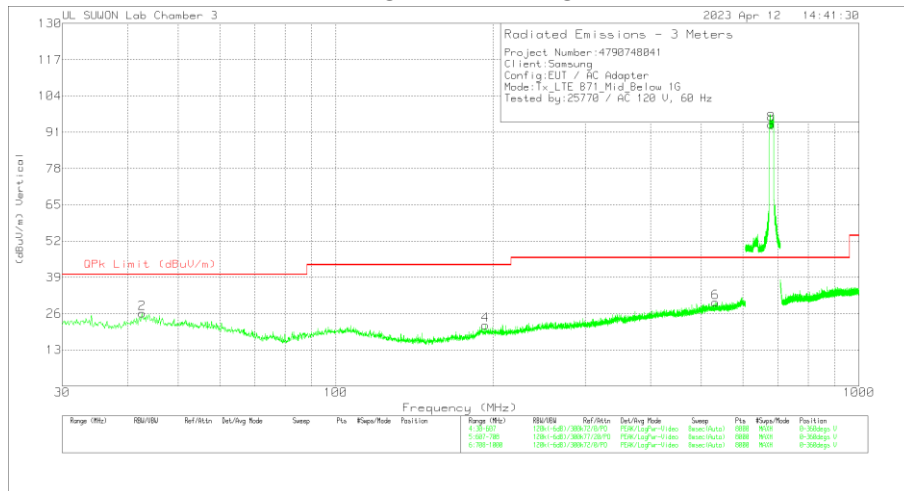
Note: Unwanted emissions captured from 663MHz to 698MHz and from 617MHz to 652MHz were the TX and RX signals generated from the call-simulator.

MID CHANNEL(634.5 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

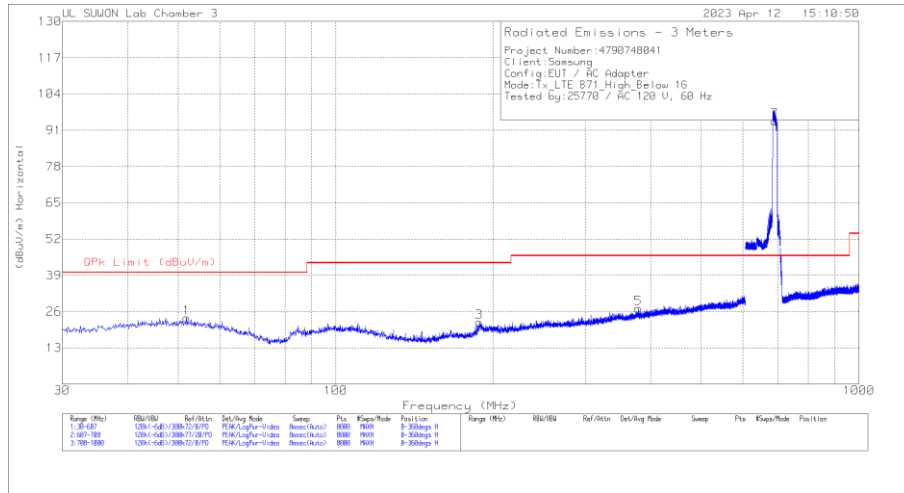
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_845	Below_1G_Bypass (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	46.9515	2.94	Pk	19.7	.9	23.54	40	-16.46	0-360	200	H
3	187.9013	4.12	Pk	15.8	1.8	21.72	43.52	-21.8	0-360	100	H
5	537.4627	4.01	Pk	23	3.2	30.21	46.02	-15.81	0-360	200	H
7	680.527	69.84	Pk	24.6	3.6	98.04	46.02	52.02	0-360	200	H
2	42.6235	5.97	Pk	19.3	.9	26.17	40	-13.83	0-360	200	V
4	193.095	3.45	Pk	16.5	1.9	21.85	43.52	-21.67	0-360	300	V
6	531.692	3.91	Pk	22.9	3.2	30.01	46.02	-16.01	0-360	400	V
8	680.5144	65.6	Pk	24.6	3.6	93.8	46.02	47.78	0-360	100	V

Pk - Peak detector

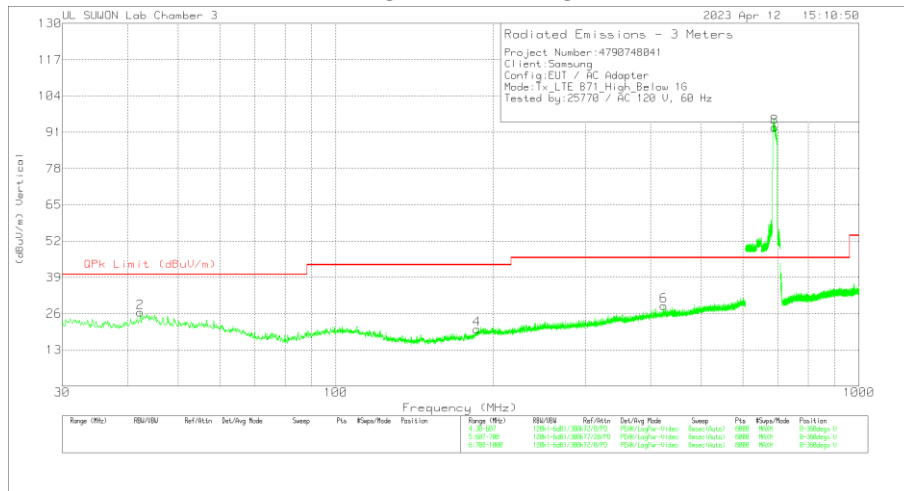
Note: Unwanted emissions captured from 663MHz to 698MHz and from 617MHz to 652MHz were the TX and RX signals generated from the call-simulator.

HIGH CHANNEL(647 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_845	Below_1G_Bypass (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	51.8566	3.02	PK	19.7	1	23.72	40	-16.28	0-360	100	H
3	187.9735	4.66	PK	15.8	1.8	22.26	43.52	-21.26	0-360	100	H
5	378.5515	3.93	PK	20.5	2.7	27.13	46.02	-18.89	0-360	100	H
7	690.515	65.96	PK	24.7	3.6	94.26	46.02	48.24	0-360	200	H
2	42.3349	6.33	PK	19.2	.9	26.43	40	-13.57	0-360	200	V
4	186.1701	2.94	PK	15.6	1.8	20.34	43.52	-23.18	0-360	200	V
6	423.7795	4.62	PK	21.5	2.8	28.92	46.02	-17.1	0-360	300	V
8	690.515	64.39	PK	24.7	3.6	92.69	46.02	46.67	0-360	100	V

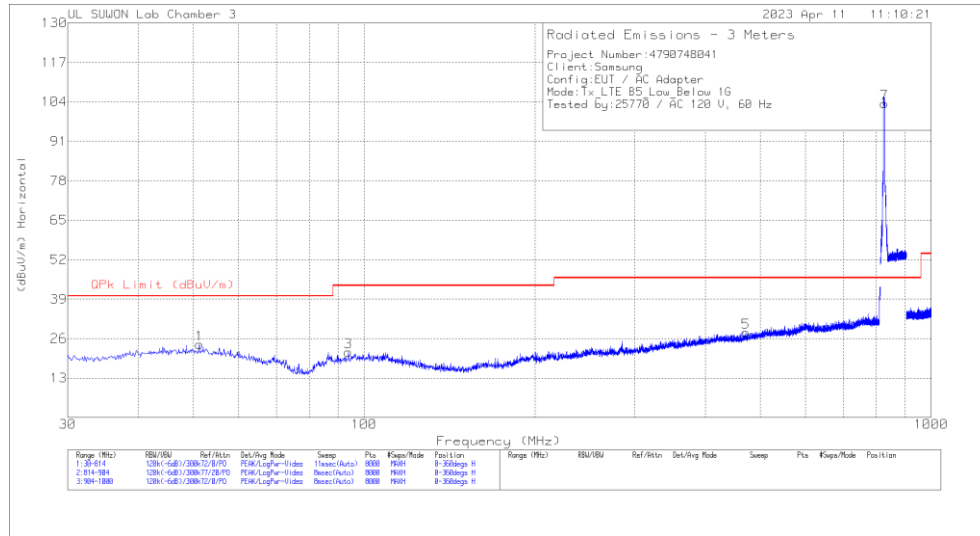
Pk - Peak detector

Note: Unwanted emissions captured from 663MHz to 698MHz and from 617MHz to 652MHz were the TX and RX signals generated from the call-simulator.

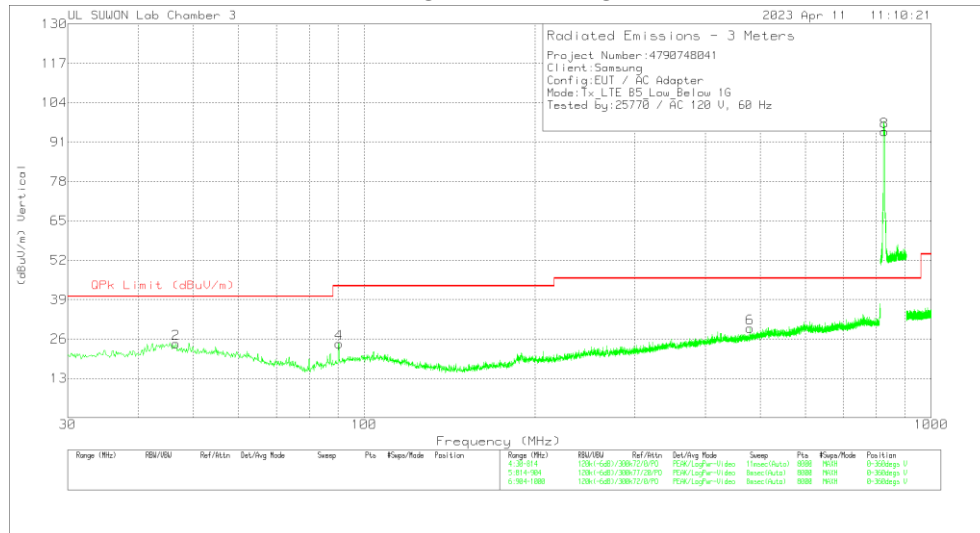
7.1.16.Below 1 GHz in the LTE Band 5

LOW CHANNEL(874.0 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

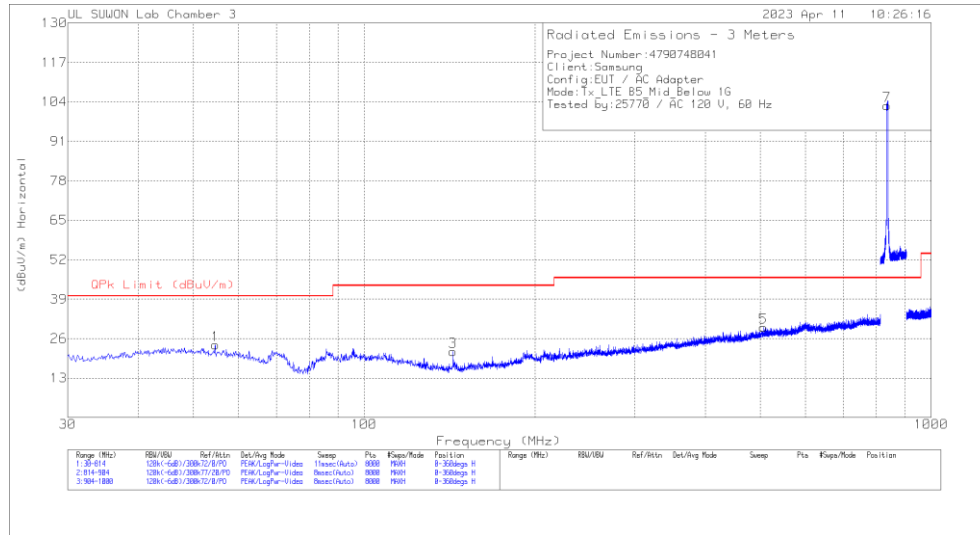
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_845	Below_1G_Bypass (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	51.2686	3.38	PK	19.7	1	24.08	40	-15.92	0-360	100	H
3	93.8058	3.46	PK	16.8	1.3	21.56	43.52	-21.96	0-360	100	H
5	471.348	3.15	PK	21.8	3	27.95	46.02	-18.07	0-360	100	H
7	826.4999	73.3	PK	26.1	4	103.4	46.02	57.38	0-360	200	H
2	46.564	3.89	PK	19.7	.9	24.49	40	-15.51	0-360	200	V
4	90.2284	7.22	PK	16	1.3	24.52	43.52	-19	0-360	200	V
6	479.385	4.42	PK	22.1	3	29.52	46.02	-16.5	0-360	300	V
8	826.4999	64.39	PK	26.1	4	94.49	46.02	48.47	0-360	100	V

Pk - Peak detector

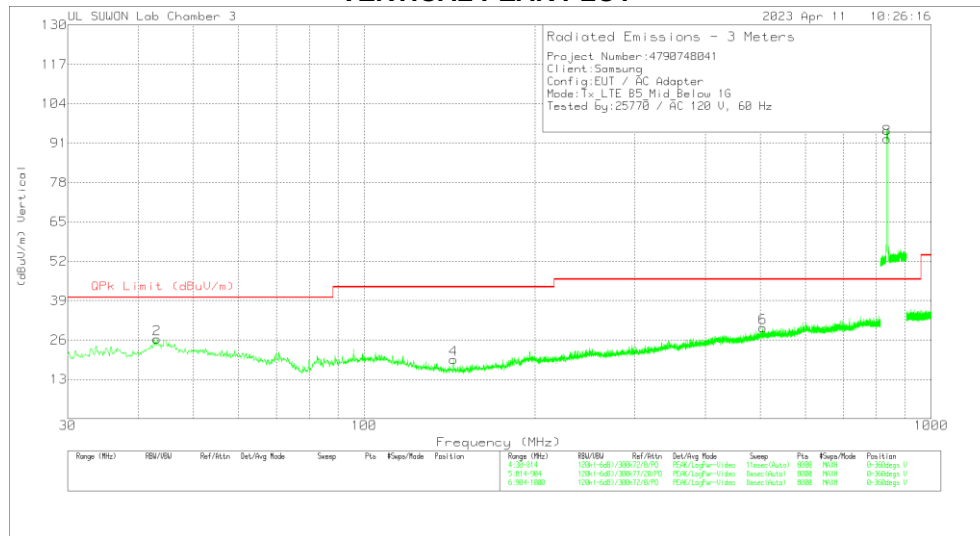
Note: Unwanted emissions captured from 824MHz to 849MHz and from 869MHz to 894MHz were the TX and RX signals generated from the call-simulator.

MID CHANNEL(881.5 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

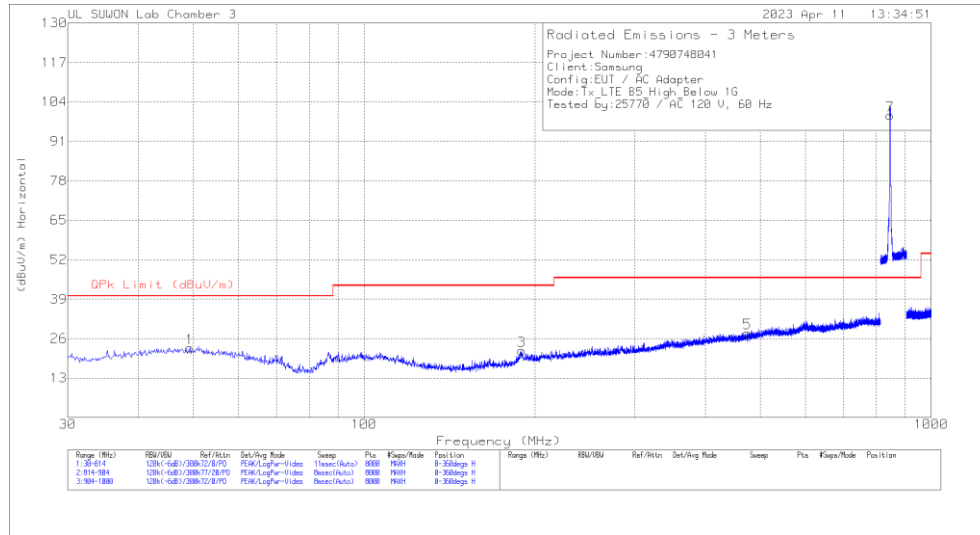
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_845	Below_1G_Bypass (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	54.601	3.6	PK	19.3	1	23.9	40	-16.1	0-360	400	H
3	143.3999	6.49	PK	13.6	1.6	21.69	43.52	-21.83	0-360	400	H
5	506.0443	4.09	PK	22.6	3.1	29.79	46.02	-16.23	0-360	400	H
7	836.502	72.42	PK	26.3	4	102.72	46.02	56.7	0-360	100	H
2	43.1336	5.98	PK	19.4	.9	26.28	40	-13.72	0-360	100	V
4	143.5959	4.39	PK	13.6	1.6	19.59	43.52	-23.93	0-360	100	V
6	504.3781	4.32	PK	22.6	3.1	30.02	46.02	-16	0-360	100	V
8	836.502	62.16	PK	26.3	4	92.46	46.02	46.44	0-360	300	V

PK - Peak detector

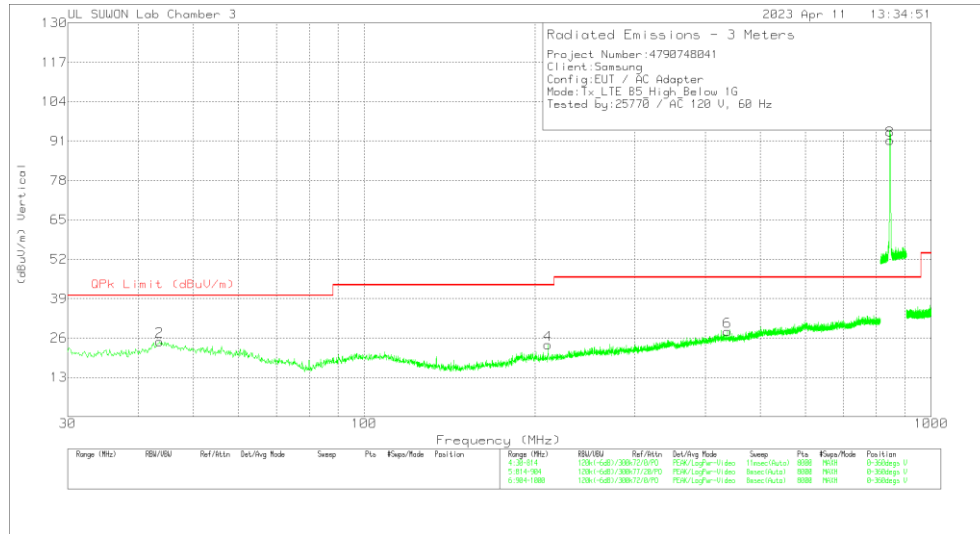
Note: Unwanted emissions captured from 824MHz to 849MHz and from 869MHz to 894MHz were the TX and RX signals generated from the call-simulator.

HIGH CHANNEL(889.0 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_845	Below_1G_Bypass (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	49.2594	2.25	Pk	19.8	.9	22.95	40	-17.05	0-360	200	H
3	189.7596	4.15	Pk	16.1	1.9	22.15	43.52	-21.37	0-360	100	H
5	474.2884	3.04	Pk	21.9	3	27.94	46.02	-18.08	0-360	100	H
7	846.5041	69	Pk	26.5	4	99.5	46.02	53.48	0-360	200	H
2	43.5257	4.49	Pk	19.5	.9	24.89	40	-15.11	0-360	200	V
4	210.8321	5.52	Pk	16.3	2	23.82	43.52	-19.7	0-360	300	V
6	437.1418	3.71	Pk	21.6	2.9	28.21	46.02	-17.81	0-360	400	V
8	846.5041	60.7	Pk	26.5	4	91.2	46.02	45.18	0-360	100	V

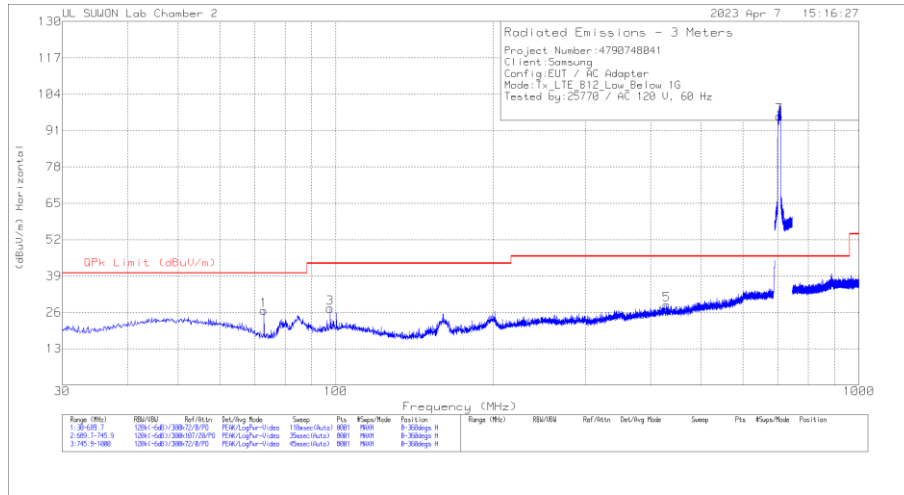
Pk - Peak detector

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

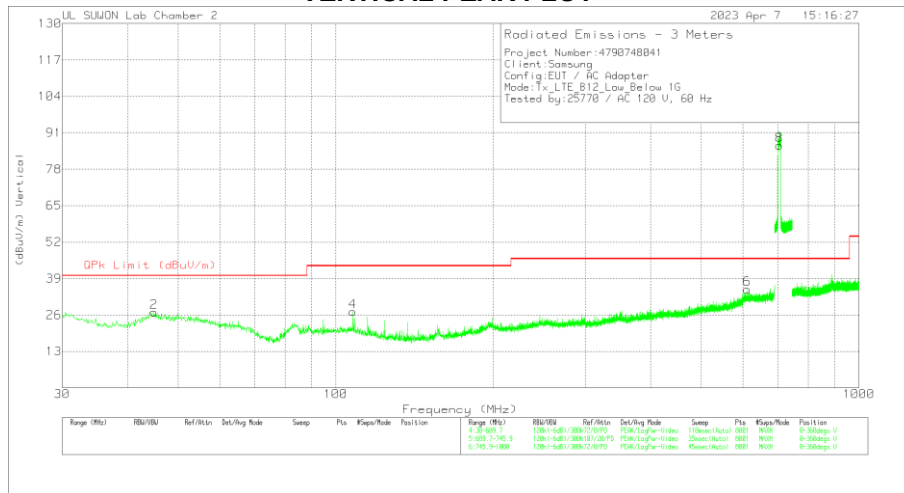
7.1.17.Below 1 GHz in the LTE Band 12

LOW CHANNEL(731.5 MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Below_1G_Bypass (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	72.8808	11.3	Pk	14.4	1	26.7	40	-13.3	0-360	200	H
3	97.5372	9.14	Pk	17.1	1.2	27.44	43.52	-16.08	0-360	200	H
5	428.956	4.65	Pk	21.7	2.4	28.75	46.02	-17.27	0-360	100	H
7	704.0661	67.83	Pk	25.2	3.1	96.13	46.02	50.11	0-360	200	H
2	44.9258	6.37	Pk	19.8	.8	26.97	40	-13.03	0-360	200	V
4	107.8451	8.5	Pk	17.5	1.2	27.2	43.52	-16.32	0-360	300	V
6	612.0239	7.43	Pk	24.9	2.9	35.23	46.02	-10.79	0-360	300	V
8	704.0732	58.19	Pk	25.2	3.1	86.49	46.02	40.47	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.